

The Water Report's Index of Articles and Water Briefs

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“Waters of the United States” - Not Quite Clear Yet by Richard M. Glick and Diego Atencio (Davis Wright Tremaine: Portland, Oregon)

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BLM Fracking Rules for Federal and Indian Lands Held Illegal by Federal Judge in Wyoming

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[Climate Change & Public Trust Doctrine - Climate Change, Public Trust Doctrines & *PPL Montana* by Robin Kundis Craig \(TWR #120: Feb. 15, 2014\)](#)

[Stream Access in New Mexico: Attorney General's Opinion \(TWR #123, Water Briefs: May 15, 2014\)](#)

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Draft Climate Change Adaptation Implementation Plans Released by EPA for Comment (TWR #117, Water Briefs: Nov. 15, 2013)

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[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Authors' Responses: Yakima River Basin Integrated Plan \(TWR #135: May 15, 2015\)](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[“Climate Change in the United States: Benefits of Global Action” EPA Report \(TWR #137, Water Briefs: July 15, 2015\)](#)

[“California Climate & Science Data for Water Resources Management” Released by CDWR \(TWR #137, Water Briefs: July 15, 2015\)](#)

[USFS Releases Effects of Drought on Forest and Rangelands in the United States: A Comprehensive Science Synthesis \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool \(TWR #146, Water Briefs: April 15, 2016\)](#)

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[Snake River Adjudication - Wild & Scenic Water Rights Settled \(TWR #7, Water Briefs: Sept. 15, 2004\)](#)

[Colorado McCarran Amendment Ruling by David C. Moon \(TWR #10: Dec. 15, 2004\)](#)

[Montana Water Law Update by David C. Moon \(TWR #11: Jan. 15, 2005\)](#)

[Law of the Rio Grande \(6th Annual Conference Report\) by David Moon, Editor \(TWR #13: March 15, 2005\)](#)

[Water, Property & Authority in New Mexico: Balancing Tribal and State Sovereign Interests by Stephen H. Greetham \(TWR #14: April 15, 2005\)](#)

[Rio Grande Water Regulation: "Active Water Resource Management" \(AWRM\) by David C. Moon \(TWR #15: May 15, 2005\)](#)

[Montana Adjudication Legislation: Fee Bill \(TWR #15, Water Briefs: May 15, 2005\)](#)

[The Colorado River - Has It Run Out of Water? by Lawrence J. MacDonnell \(TWR #16: June 15, 2005\)](#)

[Snake River Adjudication: The Nez Perce Agreement by Jerry R. Rigby \(TWR #18: August 15, 2005\)](#)

[Southwest Water Decisions: Arizona Water Settlements Act, Indian Reserved Rights, Adjudications by McGinnis & Alberts \(TWR #20: October 15, 2005\)](#)

[Former Decree Precludes San Carlos Apache Tribe's Claims in Gila Adjudication in Arizona \(TWR #26, Water Briefs: April 15, 2006\)](#)

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[Montana Supreme Court Rules on Groundwater Process: Basin Closures and Conjunctive Use by David C. Moon \(TWR #28, June 15, 2006\)](#)

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[Tribal Water Rights - Conference Covers Settlement, Commodification and Other Issues by Harold Shepherd \(TWR #35: January 15, 2007\)](#)

[Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs \(TWR #36, February 15, 2007\)](#)

[Santa Fe Water Resources and Policy: Evolving "Wet Growth Regulations" by Kyle Harwood \(TWR #36, February 15, 2007\)](#)

[Tribal Water Rights Decision: Unquantified Reserved Rights & State Regulation by David Moon \(TWR #39: May 15, 2007\)](#)

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[Western States Water Update: Western States Water Council Meets in Montana by David C. Moon \(TWR #44, Oct. 15, 2007\)](#)

[Klamath Settlement: Dams Removal Sought \(TWR #48, Water Briefs: February 15, 2008\)](#)

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[Water Settlement in the Lower Rio Grande: Agreement in Principle Reached for Surface and Groundwater \(TWR #89, Water Briefs: July 15, 2011\)](#)

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[West Coast ESA Challenges: The View from NOAA Fisheries \(Regional Administrator William Steele's Presentation\) by David Light \(TWR #133: March 15, 2015\)](#)

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AGENCY AUTHORITY (including STATE ENGINEER):

[Water Quality and Logging: California Water Agency Authority Upheld \(TWR #24, Water Briefs: February 15, 2006\)](#)

[Colorado Whitewater Courses and Water Rights by Kenneth W. Knox \(TWR #30: August 15, 2006\)](#)

[Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources \(TWR #34: December 15, 2006\)](#)

[Transboundary Pollution - 9th Circuit Order Appealed \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Idaho Conjunctive Use: Idaho Supreme Court Upholds Conjunctive Water Rights Administration Rules by Jeff Fereday \(TWR #40, June 15, 2007\)](#)

[Blackfeet Water Rights Compact: Montana Compact Commission Approval \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Idaho Conjunctive Use: Idaho Supreme Court Upholds Conjunctive Water Rights Administration Rules by Jeff Fereday \(TWR #40, June 15, 2007\)](#)

[Water Management Rules Upheld in New Mexico \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Water Resources Cash Fund Created in Nebraska \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Water Delivery - Canals, Ditches and Pipelines: The Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton \(TWR #41: July 15, 2007\)](#)

["Post-Appropriation" Water Management: Colorado's Water for the 21st Century Act by George Sibley \(Gunnison, CO\)\(TWR #42, August 15, 2007\)](#)

[Transboundary CERCLA Case: Supreme Court Requests Federal Brief \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Groundwater Regulations: Idaho DWR Orders Curtailment \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering \(TWR #43, Sept. 15, 2007\)](#)

[Tribal Groundwater Rights: Lummi Nation Settlement in Washington \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Water Cabinet Created in New Mexico \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Texas Water Law: An Update on Recent Legislation and Case Law by Deborah Clarke Trejo and Tina Alvarado Arnold \(TWR #49: March 15, 2008\)](#)

[Georgia Water Battle: Corps Authorization Decision \(TWR #49, Water Briefs: March 15, 2008\)](#)

[Tribal "Treatment As State" - Oklahoma Tribes Face Special "Treatment" by David Moon and David Light \(TWR #52: June 15, 2008\)](#)

[Coalbed Methane Water Case Dismissed and Appealed in Wyoming \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Water Quality Ruling on Authority of California & FERC - Klamath Dams \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Groundwater/Surface Water Decision in Nebraska: DNR Authority Upheld Regarding Hydraulic Connection \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Clean Water Act Citizen Suits - The Plaintiff's Perspective: Liability is "Strict" - What's Left to Discuss? by Michael Chappell \(TWR #60: Feb. 15, 2009\)](#)

[Conversion of Irrigation Rights to Municipal & Industrial Rights: Legislation, Court Case & Transactions - Lower Rio Grande by Jarvis \(TWR #62: April 15, 2009\)](#)

[Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro \(TWR #63: May 15, 2009\)](#)

[Coalbed Methane Decision: "Beneficial Use" and Well Permit Required - Ranchers' Senior Water Rights Protected by David Moon \(TWR #63: May 15, 2009\)](#)

New Water Laws in New Mexico: Water Management and State Engineer's Authority (TWR #63, Water Briefs: May 15, 2009)

Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge (TWR #64: June 15, 2009)

The Colorado Water Trust: Western Water Trusts & the Colorado Experience by Amy W. Beatie (TWR #66: August 15, 2009)

Snake River Basin Adjudication: Lessons Learned by Eric J. Wildman (TWR #68: Oct. 15, 2009)

Exempt Wells: Washington Attorney General's Opinion Issued (TWR #68, Water Briefs: Oct. 15, 2009)

Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith (TWR #69: Nov. 15, 2009)

USFWS Expenditures for Threatened & Endangered Species: Study for FY 2007 Released (TWR #69, Water Briefs: Nov. 15, 2009)

Klamath Settlement Agreements: Part II by Glen Spain (TWR #71: Jan. 15, 2010)

Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt (TWR #72: Feb. 15, 2010)

Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill (TWR #76: June 15, 2010)

Northwest Water Marketing: Re-Allocating Water in the Pacific Northwest by Richard A. Slaughter (TWR #77: July 15, 2010)

California Water Regulation: Farm Bureau Challenges State Fish & Game Department Authority by Joseph M. Carpenter (TWR #77: July 15, 2010)

Water Ruling Reversed: New Nevada Supreme Court Decision (TWR #77, Water Briefs: July 15, 2010)

South Platte Well Crisis, 2002-2010: Evolving Alluvial Groundwater Regulation by P. Andrew Jones (TWR #78: Aug. 15, 2010)

Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak (TWR #81: November 15, 2010)

Exempt Wells Ruling Reversed in New Mexico (Bounds Decision) (TWR #81, Water Briefs: Nov. 15, 2010)

Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde (TWR #83: Jan. 15, 2011)

Environmental Protocol: Santa Clara Pueblo & New Mexico Sign Memorandum of Agreement (TWR #83, Water Briefs: Jan. 15, 2011)

Water Storage Rule in Washington: Processing Expedited (TWR #84, Water Briefs: Feb. 15, 2011)

Endangered Species Act, Take, and Water: *The Aransas Project v. Shaw, et al.* by Kathy Robb (TWR #85: March 15, 2011)

EPA Regulations Improvement Plan: Comments Sought (TWR #85, Water Briefs: March 15, 2011)

Conjunctive Use Decisions: Applying the Prior Appropriation Doctrine to Groundwater Use by David Moon (TWR #86: April 15, 2011)

New Water Management Model: The Umatilla Basin Water Commission - Counties, Irrigation District & Confederated Tribes Form Administrative Body by Martha Pagel (TWR #87: May 15, 2011)

Federal Wetlands Jurisdiction: New Post-*Rapanos* Guidance - Longer Federal Reach, Less Certainty by Glick and Gelardi (TWR #87: May 15, 2011)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[Fully Appropriated: Nebraska Supreme Court Decision Impacts Surface & Groundwater Regulation \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Lake Lanier Ruling in the Southeast: Reclamation Reservoir & "Water Supply" Purpose 11th Circuit Decision \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Identifying Waters Protected by the Clean Water Act - Comment Period Extended \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Sackett v. EPA: U.S. Supreme Court Opens Door to Pre-Enforcement Review by Richard M. Glick \(TWR #98: April 15, 2012\)](#)

[Ski Area Water Rights: U.S. Forest Service Taking? \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Mining Law & the Endangered Species Act Decision - Section 7 Consultation Required \(TWR #100, Water Briefs: June 15, 2012\)](#)

[The ESA & Water: Litigation Update - The ESA as Driver of Water Quality & Water Quantity by Quasius & Laschever \(TWR #103: Sept. 15, 2012\)](#)

[New Mexico Priority Administration: New Mexico Supreme Court Decision on State Engineer's Authority by David Moon \(TWR #105: Nov. 15, 2012\)](#)

[Lawsuit Challenges All Water Quality Trading - Comments by Tom Lindley \(TWR #105: Nov. 15, 2012\)](#)

[Conjunctive Management of Surface & Ground Water in Idaho \(Public-Private Partnerships\) by Tuthill, Rassier & Anderson \(TWR #108: Feb. 15, 2013\)](#)

[The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor \(TWR #110: April 15, 2013\)](#)

[Keystone XL Pipeline - EPA Raises Objections \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Fracking Risks Lawsuit in California: BLM Leases & NEPA Review \(TWR #111, Water Briefs: May 15, 2013\)](#)

["Groundwater Governance in the US" Project Initiated by Arizona WRRRC & UA Udall Center for Studies in Public Policy \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Mountain-Top Mining: EPA Post-Permit Veto Authority Upheld \(TWR #111, Water Briefs: May 15, 2013\)](#)

[New Mexico's Exempt Wells Decision & Protection for Senior Water Users by David Moon \(TWR #114: August 15, 2013\)](#)

[Basin of Origin Claims of Tehama-Colusa Canal Authority Rejected by 9th Circuit - Reclamation Cutbacks Upheld \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Mine Permit Appealed From ADEQ Decision: Aquifer Protection Permit in Arizona \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Interstate Water Compacts: The US Supreme Court's *Tarrant* Decision and the Risk of Silence by Steven Richardson \(TWR #116: Oct. 15, 2013\)](#)

[Water Rights Determination: Agency Authority in Enforcement Actions in California \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom \(TWR #122: April 15, 2014\)](#)

[Speculation in Water: Application Rejected in Oregon by Water Resources Department \(TWR #122, Water Briefs: April 15, 2014\)](#)

Instream Use Change: irrigation to instream Transfer in Nevada Approved by State Engineer (TWR #122, Water Briefs: April 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Ninth Circuit: Reclamation Renewal of Water Supply Contracts from Bay-Delta Ecosystem Violated ESA (TWR #123, Water Briefs: May 15, 2014)

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

Federal ESA Decisions: Return of *Sweet Home* in Texas Whooping Crane Case by Richardson, Weinberg, Wang & Fansler (TWR #126: Aug. 15, 2014)

Flow Augmentation Releases (Trinity Reservoir): Reclamation Releases for Salmon Protection Lower Klamath River (TWR #128, Water Briefs, Oct. 15, 2014)

Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases (TWR #128, Water Briefs, Oct. 15, 2014)

Curtailments Lawsuit: Drought Emergency Decisions Contested in California by Water Users (TWR #129: Water Briefs, Nov. 15, 2014)

Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation by Molly Lawrence (TWR #131: Jan. 15, 2015)

Colorado Water Plan Draft Released (TWR #132, Water Briefs: Feb. 15, 2015)

"Underground Regulation" — Agency Rulemaking & the California Administrative Procedures Act by Damien Schiff (TWR #133: March 15, 2015)

Mandatory Water Use Restrictions in California: Governor's Executive Order a First (TWR #134, Water Briefs: April 15, 2015)

Preferences During Shortage Rejected in Texas - "Senior" Water Rights Protected (TWR #135, Water Briefs: May 15, 2015)

Instream Flow Rights Decision in Colorado: State Agency Authority Upheld - Policy of Preserving Natural Environment (TWR #135, Water Briefs: May 15, 2015)

"Takings" Case Upheld for Groundwater Protection from Regulation in Texas (TWR #135, Water Briefs: May 15, 2015)

Texas Takings Case: Procedural Rulings - Claims Dismissed (TWR #137, Water Briefs: July 15, 2015)

Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon (TWR #141: Nov. 15, 2015)

Fish Consumption Rule Drafted by Washington's Ecology: State v. Federal Clean Water Act Rules (TWR #141, Water Briefs: Nov. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Herbicide Disapproval: EPA Seeks Revocation of Enlist Duo (TWR #142, Water Briefs: Dec. 15, 2015)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Rio Grande Lawsuit: WildEarth Guardians Seek Historical Beneficial Use Accounting for Water Rights (TWR #146, Water Briefs: April 15, 2016)

Drought Enforcement in California - Dismissals Proposed Due to Failure to Prove Water Not Available (TWR #148, Water Briefs: June 15, 2016)

Tribal Fishing Rights Lead to Coal Terminal Rejection by the Corps of Engineers (TWR #148, Water Briefs: June 15, 2016)

AGENCY DEFERENCE (Discretion) or ACTIONS:

Dams and Salmon: Judge Rejects BiOp by David C. Moon (TWR #16: June 15, 2005)

Montana Supreme Court Rules on Groundwater Process: Basin Closures and Conjunctive Use by David C. Moon (TWR #28, June 15, 2006)

Tribal Fish Consumption and Water Quality Standards by J.D. Williams (TWR #32: October 15, 2006)

Water Transfers and the Clean Water Act by Rick Glick (TWR #36, February 15, 2007)

Water Management Rules Upheld in New Mexico (TWR #40, Water Briefs; June 15, 2007)

Supreme Court Limits ESA: *National Homebuilders v. Defenders of Wildlife* by Richard M. Glick and Lindsay Eyler (TWR #41: July 15, 2007)

Coalbed Methane: Water Right Permits Required in Colorado (TWR #43, Water Briefs: Sept. 15, 2007)

Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro (TWR #63: May 15, 2009)

Coalbed Methane Decision: "Beneficial Use" and Well Permit Required - Ranchers' Senior Water Rights Protected by David Moon (TWR #63: May 15, 2009)

Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge (TWR #64: June 15, 2009)

Water Transfers and the CWA: Eleventh Circuit Upholds EPA Interpretation of Clean Water Act as Exempting Water Transfers from NPDES Requirements by Sensiba and Carbonell (TWR #65: July 15, 2009)

New Era of Interbasin Water Transfers by Barbara Cosens (TWR #72: Feb. 15, 2010)

Delta Decisions: Salmon & Smelt Court Rulings in California (TWR #76, Water Briefs: June 15, 2010)

Protecting Tribal Fishing Rights - Fixing Culverts that Block Fish Passage: Ruling on Washington Treaty Responsibilities Expected Soon by Love & Zentz (TWR #81: November 15, 2010)

Lake Lanier Ruling in the Southeast: Reclamation Reservoir & "Water Supply" Purpose 11th Circuit Decision (TWR #89, Water Briefs: July 15, 2011)

Lake Roosevelt Drawdown Upheld: Reclamation Project Approved by Ninth Circuit (TWR #91, Water Briefs: Sept. 15, 2011)

Delta Smelt Rulings in California's Bay-Delta: BiOp Remanded and Injunction Issued Blocking USFWS Proposal (TWR #92, Water Briefs: Oct. 15, 2011)

Speculative Use or Regional Provider: Company Applies for Massive Water Right in Oregon by David Moon (TWR #94: Dec. 15, 2011)

Sackett v. EPA: U.S. Supreme Court Opens Door to Pre-Enforcement Review by Richard M. Glick (TWR #98: April 15, 2012)

Oregon Temperature Water Quality Standards Upheld (Sort Of) by Richard M. Glick (TWR #98: April 15, 2012)

Ski Area Water Rights: U.S. Forest Service Taking? (TWR #98, Water Briefs: April 15, 2012)

Mining Law & the Endangered Species Act Decision - Section 7 Consultation Required (TWR #100, Water Briefs: June 15, 2012)

The ESA & Water: Litigation Update - The ESA as Driver of Water Quality & Water Quantity by Quasius & Laschever (TWR #103: Sept. 15, 2012)

New Mexico Priority Administration: New Mexico Supreme Court Decision on State Engineer's Authority by David Moon (TWR #105: Nov. 15, 2012)

Streamlined Application Process for Water & Wastewater Systems in Nevada (TWR #106, Water Briefs: Dec. 15, 2012)

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor (TWR #110: April 15, 2013)

Keystone XL Pipeline - EPA Raises Objections (TWR #111, Water Briefs: May 15, 2013)

Fracking Risks Lawsuit in California: BLM Leases & NEPA Review (TWR #111, Water Briefs: May 15, 2013)

Mountain-Top Mining: EPA Post-Permit Veto Authority Upheld (TWR #111, Water Briefs: May 15, 2013)

New Mexico's Exempt Wells Decision & Protection for Senior Water Users by David Moon (TWR #114: August 15, 2013)

Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson (TWR #118, Dec. 15, 2013)

Fish Passage & Treaty Obligations: Washington State "Culvert Case" Before the Ninth Circuit by David Moon (TWR #120: Feb. 15, 2014)

Federal ESA Decisions: Return of *Sweet Home* in Texas Whooping Crane Case by Richardson, Weinberg, Wang & Fansler (TWR #126: Aug. 15, 2014)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

Flow Augmentation Releases (Trinity Reservoir): Reclamation Releases for Salmon Protection Lower Klamath River (TWR #128, Water Briefs, Oct. 15, 2014)

Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases (TWR #128, Water Briefs, Oct. 15, 2014)

Whooping Crane ESA Case: Fifth Circuit Refuses to Reconsider ESA "Take" Challenge by David Moon (TWR #131: Jan. 15, 2015)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

AGENCY DISCRETION:

[Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder \(TWR #139, Sept. 15, 2015\)](#)

AGENCY INTERPRETATION OF RULES (see also AGENCY DEFERENCE):

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

AGRICULTURAL CONSERVATION (see also AGRICULTURAL MANAGEMENT):

[Agriculture Conservation: USDA Regional Conservation Partnership Announced \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Agricultural Conservation: USDA Program Incentives & CRP-Grasslands Initiative \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Finding "New Water" in California: Seminar Review & Commentary by Jungreis and Van Ligten \(TWR #144: Feb. 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[Improving the Federal Response to Drought: Five Areas for Reform - PPIC Water Policy Center Report \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein \(TWR #146: April 15, 2016\)](#)

AGRICULTURAL EXEMPTION (CWA RULE):

[Clean Water Act Rule Finalized: CWA Jurisdiction \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon \(TWR #143: January 15, 2016\)](#)

AGRICULTURAL MANAGEMENT (See also Irrigation Improvements):

[Urban & Rural Water Supplies: Colorado Research Pursues Win-Win Scenario by Lytle, Hansen, Jaeger & Nikkel \(TWR #48: February 15, 2008\)](#)

[Agriculture Compliance Assistance Center Web Portal \(TWR #48, Water Briefs: February 15, 2008\)](#)

[The Peripheral Canal: San Francisco Bay - Delta Estuary Proposals by Dante Nomellini \(TWR #53: July 15, 2008\)](#)

[Climate Change & Agriculture Use: USDA Report \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Agricultural Water to Municipal Use: The Legal and Institutional Context for Voluntary Transactions in Arizona by Eden, Glennon, Ker, Libecap, Megdal & Shipman \(TWR #58: December 15, 2008\)](#)

[Efficient Water Management Survey Released by the Agricultural Water Management Council of California \(TWR #59, Water Briefs: Jan. 15, 2009\)](#)

[Water Planning & Uncertainty: Colorado Perspectives - An Update From the Colorado Water Congress' Annual Meeting by Shrier \(TWR #61: March 15, 2009\)](#)

[Integrated Water-Energy Planning: Major Nationwide Dialogue Underway by Shrier, Hightower & Johnson \(TWR #66: August 15, 2009\)](#)

[Irrigation Canal Piping: Conservation Project \\$5.6 Million Grant by Ecology in Washington \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Litigation on the Colorado River: Conflicts in Search of Solutions by Michael Gheleta \(TWR #67: September 15, 2009\)](#)

[Conservation Report on Agricultural Innovations in California \(California Farm Water Success Stories: Report & Video\) \(TWR #73, Water Briefs: March 15, 2010\)](#)

[California Water Regulation: Farm Bureau Challenges State Fish & Game Department Authority by Joseph M. Carpenter \(TWR #77: July 15, 2010\)](#)

[Western Governors Association 2010 Meeting: Water Resolutions \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Nebraska's Evolving Water Law: Challenges and Opportunities Part I by Mary E. Kelly \(TWR #81: November 15, 2010\)](#)

[USDA Projects: Agriculture and Forests Initiatives \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Small Hydroelectric Agreement - Colorado & FERC Enter Into MOU \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde \(TWR #83: Jan. 15, 2011\)](#)

[Water Supply Issues in Colorado: Shift from Agricultural Uses, Water Transfers & Municipal Needs-SWSI Report \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

["The Reasonable Use Doctrine and Agricultural Water Use Efficiency" - California's Delta Watermaster Report \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Supply & Streamflow: Water Management Agreement Reached in Washington \(Dungeness River Watershed\) \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Irrigation Efficiency: Conserved Water & Return Flow - Supreme Court Decision in *Montana v. Wyoming* \(TWR #87, Water Briefs: May 15, 2011\)](#)

[Water Sharing Strategies for Ag/Urban/Enviro in the West: Western States Council Report with CSU's Water Institute \(TWR #87, Water Briefs: May 15, 2011\)](#)

[Multi-Sector Water Sharing \(Agricultural-Urban-Environmental\): Innovative Strategies for the Colorado River Basin & the West by Smith \(TWR #88: June 15, 2011\)](#)

"The Reasonable Use Doctrine & Agricultural Water Use Efficiency" - California Report (TWR #88, Water Briefs: June 15, 2011)

Lake Roosevelt Drawdown Upheld: Reclamation Project Approved by Ninth Circuit (TWR #91, Water Briefs: Sept. 15, 2011)

Habitat Conservation & Farmland Conservation Reserves: USDA's CRP Program (TWR #93, Water Briefs: Nov. 15, 2011)

Colorado River Basin Irrigation: The Future of Irrigation Organizations in the Colorado River Basin by Dr. Ron Griffin and Mary Kelly (TWR #95: Jan. 15, 2012)

Rotational Agreement Held Not a Change in Water Rights by Colorado Supreme Court (TWR #95, Water Briefs: Jan. 15, 2012)

Water Quality Markets - USDA Funding (Proposal Request) (TWR #96, Water Briefs: Feb. 15, 2012)

Enhanced Conservation Reserve Program (CRP) Announced (Grasslands & Wetlands) (TWR #97, Water Briefs: March 15, 2012)

Texas Groundwater Ruling-*EAA v. Day*: Texas Supreme Court Confirms Landowner's Ownership of Groundwater in Place by McCarthy (TWR #99: May 15, 2012)

Kansas Groundwater Program: Multi-Year Flex Account Designed to Conserve Water & Extend Life of Ogallala Aquifer (TWR #99, Water Briefs: May 15, 2012)

Agricultural Water Measurement Regulation: Final Regulations Adopted in California (TWR #102, Water Briefs: August 15, 2012)

Nonpoint Source Pollution: Restoration Success in Texas Using Voluntary BMPs (TWR #103, Water Briefs: Sept. 15, 2012)

Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity (TWR #106: Dec. 15, 2012)

Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson (TWR #106: Dec. 15, 2012)

Storage to Retention: Expanding California's Options for Meeting Its Water Needs - Roundtable on Water & Food Supply (TWR #106, Water Briefs: Dec. 15, 2012)

Protecting Drinking Water Sources through Agricultural Conservation Practices: USDA Toolkit Released (TWR #106, Water Briefs: Dec. 15, 2012)

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

Agricultural Water Conservation Efficiency Grants - Bay Delta Restoration Program (TWR #109, Water Briefs: March 15, 2013)

Agricultural Conservation Report: *Water to Supply the Land: Irrigated Agriculture in the Colorado River Basin* (TWR #112, Water Briefs: June 15, 2013)

High Plains Aquifer (Ogallala) Depletion Detailed - Unsustainable Agriculture Use of Groundwater (TWR #115, Water Briefs: Sept. 15, 2013)

"The Economic Impacts of Western Irrigated Agriculture" White Paper Released (TWR #116, Water Briefs: Oct. 15, 2013)

Water Quality Trading: USDA - EPA Partnership Expanded (TWR #118, Water Briefs: Dec. 15, 2013)

Regional Water Management Cooperation: Study Compares Four Cases in the West by Nathaniel Delano and Sharon B. Megdal (TWR #121: March 15, 2014)

Riparian Restoration in Wyoming: Coordinated Resource Management - Livestock Grazing Practices (TWR #121, Water Briefs: March 15, 2014)

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

Pesticides in US Streams & Rivers: USGS Report Compares Data from 1992-2001 & 2002-2011 (Edited/condensed from USGS) (TWR #128, Oct. 15, 2014)

Mandatory Water Use Restrictions in California: Governor's Executive Order a First (TWR #134, Water Briefs: April 15, 2015)

Agriculture Conservation: USDA Regional Conservation Partnership Announced (TWR #135, Water Briefs: May 15, 2015)

Agricultural Conservation: USDA Program Incentives & CRP-Grasslands Initiative (TWR #138, Water Briefs: August 15, 2015)

USGS Study: "Trends in Pesticide Concentrations and Use for Major Rivers of the United States" (TWR #139, Water Briefs: Sept. 15, 2015)

Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study (TWR #140, Water Briefs: Oct. 15, 2015)

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

Proposed Reallocation of Non-Indian Agricultural Water in the Central Arizona Project (TWR #143, Water Briefs: Jan. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

AGRICULTURAL PRODUCTION:

Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)

AGRICULTURAL RETURN FLOWS:

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

AGRICULTURAL USE:

Proposed Reallocation of Non-Indian Agricultural Water in the Central Arizona Project (TWR #143, Water Briefs: Jan. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

[AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein \(TWR #146: April 15, 2016\)](#)

[AGRICULTURAL WATER QUALITY and WASTEWATER \(see also Water Quality\):](#)

[Agricultural Drainage Water: \\$17.5 Million in Grants Awarded in California \(TWR #33, Water Briefs: Nov. 15, 2006\)](#)

[NPDES Requirements & Pesticides: EPA's Final Rule Exempts Certain Applications by Beth S. Ginsberg \(TWR #35: January 15, 2007\)](#)

[Dairy Water Quality: Management & Technology Publication \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Mississippi River Nutrients: Gulf Dead Zone \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Logging Road Runoff: U.S. Loggers Lose an Important Clean Water Act Exemption by Jeffrey J. Miller & Robert A. Maynard \(TWR #79, Sept. 15, 2010\)](#)

[Agriculture Nutrient Standard Revised by USDA: National Conservation Practice Standard \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[Water Quality Markets - USDA Funding \(Proposal Request\) \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[Watershed Restoration Success: Nonpoint Sources Addressed - EPA Section 319 Program \(TWR #99, Water Briefs: May 15, 2012\)](#)

[WaterSMART Funding by Reclamation for Reclaim & Reuse Projects in California \(TWR #124, Water Briefs: June 15, 2014\)](#)

[USGS Study: "Trends in Pesticide Concentrations and Use for Major Rivers of the United States" \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[AGRICULTURE, DEPARTMENT OF AGRICULTURE:](#)

[Pesticide Use in U.S. Agriculture: 21 Selected Crops, 1960- 2008 - USDA Report \(TWR #124, Water Briefs: June 15, 2014\)](#)

["AKART" - All Known, Available and Reasonable Methods of Prevention, Control and Treatment:](#)

[Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill \(TWR #134: April 15, 2015\)](#)

[ALASKA WATER RIGHTS & WATER QUALITY:](#)

[Alaskan NPDES Authority Sought \(TWR #54, Water Briefs: August 15, 2008\)](#)

[NPDES Permits Program Approved by EPA in Alaska \(TWR #57, Water Briefs: November 15, 2008\)](#)

[NPDES Violations for Mine in Alaska: EPA Enforcement Action \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Safe Drinking Water Enforcement in Alaska: Chlorine Disinfection Byproducts \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Clean Water Act Enforcement in Alaska: Wetlands and Streams Damaged \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Waste Disposal Wells in Alaska: Motor Vehicle Fluids Threaten Groundwater - Army Base Fined \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Mine Stormwater - Clean Water Act Penalty & Settlement in Alaska \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[*An Assessment of Potential Mining Impacts on Salmon Ecosystems of Bristol Bay, Alaska*: EPA Report \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, \(TWR #122: April 15, 2014\)](#)

[Mining & Fisheries: EPA Proposal for Bristol Bay, Alaska \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon \(TWR #141: Nov. 15, 2015\)](#)

[Office of Inspector General's Report on EPA's Actions & Decision on Alaska's Bristol Bay Watershed \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

ALGAE or ALGAL BLOOMS:

[Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen \(TWR #129: Nov. 15, 2014\)](#)

[Algal Toxins: EPA Issues Health Advisory Values \(TWR #136, Water Briefs: June 15, 2015\)](#)

[EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley \(TWR #140: Oct. 15, 2015\)](#)

[Harmful Algal Blooms: EPA Releases Strategic Plan of Drinking Water \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Floating Solar Program in Japan: Benefits of Floating Plants \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Wastewater Effluent Spill by Private Ski Area in Montana's West Gallatin River \(TWR #146, Water Briefs: April 15, 2016\)](#)

-

ALGAL TOXINS:

[Algal Toxins: EPA Issues Health Advisory Values \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Harmful Algal Blooms: EPA Releases Strategic Plan of Drinking Water \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

ALLOCATION OF WATER:

[Allocation of Water: Congressional Budget Office Report \(TWR #32, Water Briefs: October 15, 2006\)](#)

[Groundwater in Texas: Marketability and Market Value by Bruce K. Darling, Ph.D. \(Austin, TX\) \(TWR #41: July 15, 2007\)](#)

[Interstate Water Allocation by Christopher H. Meyer, Givens Pursley LLP \(Boise, Idaho\) \(TWR #42: August 15, 2007\)](#)

["Post-Appropriation" Water Management: Colorado's Water for the 21st Century Act by George Sibley \(TWR #42, August 15, 2007\)](#)

[Tribal Groundwater Rights: Lummi Nation Settlement in Washington \(TWR #46, Water Briefs: December 15, 2007\)](#)

[The Peripheral Canal: San Francisco Bay - Delta Estuary Proposals by Dante Nomellini \(TWR #53: July 15, 2008\)](#)

[Montana v. Wyoming: U.S. Supreme Court to Hear Yellowstone Compact Case by Karen Budd-Falen \(TWR #57: November 15, 2008\)](#)

[Habitat Protection & Water Rights: Balancing Stream Habitat with New Water Rights Issuance - Washington State's Watershed Management Program by Andrew Graham \(TWR #60: Feb. 15, 2009\)](#)

[Integrated Water-Energy Planning: Major Nationwide Dialogue Underway by Shrier, Hightower & Johnson \(TWR #66: August 15, 2009\)](#)

[The Republican River Compact: Conflict & Arbitration by Justin D. Lavene and Marcus A. Powers \(TWR #68: Oct. 15, 2009\)](#)

[Exempt Wells: Washington Attorney General's Opinion Issued \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Klamath Settlement Agreements: Charting a New Direction by Glen Spain \(TWR #70: Dec. 15, 2009\)](#)

[Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill \(TWR #76: June 15, 2010\)](#)

[South Platte Well Crisis, 2002-2010: Evolving Alluvial Groundwater Regulation by P. Andrew Jones \(TWR #78: Aug. 15, 2010\)](#)

[Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak \(TWR #81: November 15, 2010\)](#)

[Nebraska's Evolving Water Law: Challenges and Opportunities Part I by Mary E. Kelly \(TWR #81: November 15, 2010\)](#)

[Tribal Water Rights and the Colorado River Reallocation Through Forbearance Agreements by Mason D. Morisset \(TWR #87: May 15, 2011\)](#)

[Lake Lanier Ruling in the Southeast: Reclamation Reservoir & "Water Supply" Purpose 11th Circuit Decision \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Water Settlement in the Lower Rio Grande: Agreement in Principle Reached for Surface and Groundwater \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Water Resources Regulation & Development: Groundwater, Floodplains, and "Waters of the United States" by Robert D. Anderson \(TWR #91: Sept. 15, 2011\)](#)

[Takings & Water Rights: Applicability of the Takings Clause to Water Rights Regulations \(Federal Circuit Developments\) by Walston \(TWR #93: Nov. 15, 2011\)](#)

[Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses by Drew Beckwith \(TWR #93: Nov. 15, 2011\)](#)

[Climate Change & San Francisco Bay Watershed: Watershed Impacts for the Coming Century-Edited/Condensed from: James Cloern \(TWR #94: Dec. 15, 2011\)](#)

[Regulation & "Takings" - Senior Water Rights Upheld in Eighth Circuit Decision \(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[Nuclear Power Water Right Change Applications Approved in Utah \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs (TWR #100: June 15, 2012)

Improving Water Right Enforcement Authority, California Bay-Delta Watermaster Report (TWR #104, Water Briefs: Oct. 15, 2012)

New Mexico Priority Administration: New Mexico Supreme Court Decision on State Engineer's Authority by David Moon (TWR #105: Nov. 15, 2012)

Tribal Water Compact: Proposed Settlement Released in Montana (TWR #106, Water Briefs: Dec. 15, 2012)

Missouri River Municipal & Industrial Water Storage Reallocation Study Released by U.S. Army Corps of Engineers (TWR #106, Water Briefs: Dec. 15, 2012)

Water Transfers in the West by Carlee Brown (TWR #107: January 15, 2013)

Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert (TWR #107: January 15, 2013)

Colorado River Management: Planning, Agreeing & Acting by Ted Kowalski (TWR #107: January 15, 2013)

Texas v. New Mexico - Texas Sues Over Water Deliveries Under the Rio Grande Compact (U.S. Supreme Court) (TWR #107, Water Briefs: January 15, 2013)

Klamath Restoration Agreement - Settlement Extended (TWR #107, Water Briefs: January 15, 2013)

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

Tribal Claims to the Colorado River by Ryan Smith (TWR #109: March 15, 2013)

The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor (TWR #110: April 15, 2013)

Water "Call" Agreement in Colorado - Senior Rights "Relaxed" to Allow Storage (TWR #111, Water Briefs: May 15, 2013)

Reclamation Announces Actions & Strategies to Improve Water Supplies for California's Central Valley Project (TWR #111, Water Briefs: May 15, 2013)

State Control of Water: U.S. Supreme Court Rules for Oklahoma - Interstate Compact & Commerce Clause Issues by David Moon (TWR #113: July 15, 2013)

Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)

Interstate Water Compacts: The US Supreme Court's *Tarrant* Decision and the Risk of Silence by Steven Richardson (TWR #116: Oct. 15, 2013)

Instream Flows Decision in Washington: Protection from Impairment - Reserved Use Rule (Reservation) Invalid by David Moon (TWR #116: Oct. 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon (TWR #118, Dec. 15, 2013)

[Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge \(TWR #123: May 15, 2014\)](#)

[Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors \(TWR #124: June 15, 2014\)](#)

[Water Rights Study in California: State Over Allocation - Overhaul Proposed \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill \(TWR #129: Nov. 15, 2014\)](#)

[Shopping for Water: How the Market Can Mitigate Water Shortages in the American West - The Hamilton Project Paper \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Curtailments Lawsuit: Drought Emergency Decisions Contested in California by Water Users \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond \(TWR #130: Dec. 15, 2014\)](#)

[Interstate Water Dispute: Florida v. Georgia in the Supreme Court \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Reclamation Contracts Challenge & the ESA: Supreme Court Denies Petition by Irrigation Districts \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Whooping Crane ESA Case: Fifth Circuit Refuses to Reconsider ESA "Take" Challenge by David Moon \(TWR #131: Jan. 15, 2015\)](#)

[Republican River Compact Decision - Kansas v. Nebraska: The Supreme Court's Equitable Powers by David Moon \(TWR #133: March 15, 2015\)](#)

[USGS Releases "Estimated Freshwater Withdrawals in Washington, 2010 Report" \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Urban Water Conservation in Southern California: Encouraging Conservation Through Tradeable Allocations & Market Mechanisms by Bond, Motlow, Steely, Wang & Libecap \(TWR #136: June 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

[Proposed Reallocation of Non-Indian Agricultural Water in the Central Arizona Project \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[Prioritizing Management & Protection of the Colorado River's Environmental Resources - Colorado River Research Group \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would](#)

[Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

[ALLOCATION TRADING:](#)

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

[ALLOTMENT \(see also Tribal Water Rights\):](#)

[Tribal Water Rights and the Colorado River Reallocation Through Forbearance Agreements by Mason D. Morisset \(TWR #87: May 15, 2011\)](#)

[ALLUVIAL WELLS:](#)

[South Platte Well Crisis, 2002-2010: Evolving Alluvial Groundwater Regulation by P. Andrew Jones \(TWR #78: Aug. 15, 2010\)](#)

[ALTERNATIVE SOURCES OF WATER:](#)

[Using Graywater & Stormwater to Enhance Local Water Supplies: An Assessment of Risks, Costs, & Benefits Published \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Report on Water Available for Replenishment of Groundwater in California: Interim White Paper \(TWR #146, Water Briefs: April 15, 2016\)](#)

[SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool \(TWR #146, Water Briefs: April 15, 2016\)](#)

["ALTERNATIVE TRANSFER MECHANISMS or METHODS" \(see also TRANSFERS\):](#)

[Water Transfers in the West by Carlee Brown \(TWR #107: January 15, 2013\)](#)

[Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones \(TWR #138, August 15, 2015\)](#)

[AMBIENT GROUNDWATER:](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

[AMBIENT WATER QUALITY:](#)

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman &](#)

[Heimbucher \(TWR #148: June 15, 2016\)](#)

AMMONIA:

[Ambient Water Quality Criteria for Ammonia - Freshwater: EPA Draft Update \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Clean Watersheds Needs Survey Released by EPA \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Wastewater Effluent Spill by Private Ski Area in Montana's West Gallatin River \(TWR #146, Water Briefs: April 15, 2016\)](#)

ANALYSIS PROTOCOLS:

[Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheaume \(TWR #139, Sept. 15, 2015\)](#)

ANALYTICAL METHODS:

[California's Freshwater Nutrient Numeric Endpoint \(NNE\) Approach: Re-evaluating the Santa Margarita River Case Study by Thomas, Gindlesperger & Barnard \(TWR #115: Sept. 15, 2013\)](#)

ANALYTICAL TOOLS:

[Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield \(TWR #148: June 15, 2016\)](#)

ANCIENT DOCUMENTS:

[Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz \(TWR #134: April 15, 2015\)](#)

ANIMAL WASTE:

[EPA Enforcement: Seven National Enforcement Initiatives Announced for 2017-2019 \(TWR #145, Water Briefs: March 15, 2016\)](#)

ANNULUS PRESSURE:

[Safe Drinking Water Enforcement by EPA on Southern Ute Reservation in Colorado: Underground Injection Control \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

ANTIDEGRADATION STANDARD:

Water Quality Litigation: Oregon's "State-of-the-Art" Water Quality Standards Challenge by Richard M. Glick (TWR #24: February 15, 2006)

ESA & CWA: Endangered Species Act Influences on EPA's Clean Water Act Programs (The Washington State Example) by Palmer (TWR #37: March 15, 2007)

Anti-Degradation Rule in New Mexico: Amendments for Restoration (TWR #42, Water Briefs: August 15, 2007)

Coalbed Methane: Montana's Anti-Degradation & Numeric Standards (TWR #45, Water Briefs: Nov. 15, 2007)

Headwater Protection in New Mexico - Wilderness Areas Rule Adopted by Water Quality Control Commission (TWR #82, Water Briefs: Dec. 15, 2010)

CWA Integrated Reporting Memorandum for 2012 Reporting Cycle (Water Quality Reports) (TWR #86, Water Briefs: April 15, 2011)

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

ANTI-SPECULATION (see also SPECULATION):

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

APPEALS:

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

APPROPRIATION and "APPROPRIATION" (in Washington):

Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon (TWR #141: Nov. 15, 2015)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

APPROVAL FACTORS:

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

APPURTENANCY and APPURTENANT LAND:

Texas Water Law: An Update on Recent Legislation and Case Law by Deborah Clarke Trejo and Tina Alvarado Arnold (TWR #49: March 15, 2008)

"Takings" Appeal: Ownership of Water Rights Issues Certified to Oregon Supreme Court (TWR #50, Water Briefs: April 15, 2008)

Water Rights Ownership Decision: Trust Relationship Between Irrigation Districts and Water Users by David C. Moon (TWR #54, August 15, 2008)

Groundwater Severance Invalid: Arizona Decision Regarding Future GW Use (TWR #62, Water Briefs: April 15, 2009)

Idaho Transfers: An Update on Idaho's Water Transfer Policies and Issues by Michael C. Creamer (TWR #65: July 15, 2009)

Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill (TWR #76: June 15, 2010)

Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo (TWR #119: Jan. 15, 2014)

Instream Use Change: irrigation to instream Transfer in Nevada Approved by State Engineer (TWR #122, Water Briefs: April 15, 2014)

The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon (TWR #134: April 15, 2015)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Tribal Groundwater Case: Water Districts' Equitable Defenses Denied (TWR #145, Water Briefs: March 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

AQUATIC HABITAT:

Instream Flow Pilot Study in Oklahoma (TWR #143, Water Briefs: Jan. 15, 2016)

"Hydropeaking" Flows Study: Devastating Impacts on Aquatic Insects (TWR #146, Water Briefs: April 15, 2016)

-

AQUATIC HERBICIDE:

State NPDES Programs & ESA Consultation: Federal Court Rejects Argument ESA Consultation Required by Morford & Ginsberg (TWR #34: December 15, 2006)

AQUATIC INSECTS IMPACT:

"Hydropeaking" Flows Study: Devastating Impacts on Aquatic Insects (TWR #146, Water Briefs: April 15, 2016)

AQUATIC LIFE CRITERIA:

Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher (TWR #148: June 15, 2016)

AQUATIC RISK:

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

AQUEDUCT TRANSFER:

Aqueduct Transfer from Reclamation: Provo River Aqueduct to Provo River Water Users Ass'n (TWR #129: Water Briefs, Nov. 15, 2014)

AQUIFER BOUNDARY:

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

AQUIFER CATEGORIZATION:

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

AQUIFER EXPLOITATION:

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study (TWR #140, Water Briefs: Oct. 15, 2015)

AQUIFER GOVERNANCE:

- Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)
- Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)
- Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study (TWR #140, Water Briefs: Oct. 15, 2015)
- LA's Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan (TWR #141: Nov. 15, 2015)
- Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)
- Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)
- Tribal Groundwater Case: Water Districts' Equitable Defenses Denied (TWR #145, Water Briefs: March 15, 2016)

"ACQUIFER INJECTION":

- Report on Water Available for Replenishment of Groundwater in California: Interim White Paper (TWR #146, Water Briefs: April 15, 2016)

AQUIFERS IN TEXAS:

- Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

AQUIFER PROTECTION:

- Tribal Groundwater Case: Water Districts' Equitable Defenses Denied (TWR #145, Water Briefs: March 15, 2016)

AQUIFER RECHARGE (see also GROUNDWATER RECHARGE and AQUIFER STORAGE & RECOVERY):

- Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)
- Aquifer Recovery in Idaho: Governor's Budget Provides Funding to Reverse Decline of Idaho Aquifer Levels (TWR #144, Water Briefs: Feb. 15, 2016)
- Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)
- Report on Water Available for Replenishment of Groundwater in California: Interim White Paper (TWR #146, Water Briefs: April 15, 2016)

[AQUIFER SYSTEM GEOMETRY:](#)

Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study (TWR #140, Water Briefs: Oct. 15, 2015)

[AQUATIC LIFE:](#)

Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations (Congressional Research Service) by Claudia Copeland (TWR #128, Oct. 15, 2014)

[AQUATIC LIFE BENCHMARKS \(ALBs\):](#)

Pesticides in US Streams & Rivers: USGS Report Compares Data from 1992-2001 & 2002-2011 (Edited/condensed from USGS) (TWR #128, Oct. 15, 2014)

["AQUIFER MANAGEMENT FEES":](#)

Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley (TWR #124: June 15, 2014)

[AQUIFER PROTECTION PERMIT:](#)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

[AQUIFER RECHARGE \(see also AQUIFER STORAGE AND RECOVERY\):](#)

Managed Aquifer Recharge - Part II: Legal Issues in the Western United States by Evan Mortimer & David R. Tuthill (TWR #129: Nov. 15, 2014)

Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)

Lessons Learned from Aquifer Storage and Recovery (ASR) Systems in the US (Paper) (TWR #130: Water Briefs, Dec. 15, 2014)

Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly (TWR #131: Jan. 15, 2015)

Integrating Storage in California's Changing Water System: Storage and Water Management Report (TWR #131: Water Briefs, Jan. 15, 2015)

The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon (TWR #134: April 15, 2015)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

[Aquifer Recharge & Flood Mitigation Collaboration in Nebraska \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[Colorado Water Markets: “Alternative Transfer Mechanisms” by P. Andrew Jones \(TWR #138, August 15, 2015\)](#)

[Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin \(TWR #139, Sept. 15, 2015\)](#)

[EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA’s Office of Science & Technology - Conducted by Jakob Wiley \(TWR #140: Oct. 15, 2015\)](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

[LA’s Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan \(TWR #141: Nov. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Aquifer Recovery in Idaho: Governor’s Budget Provides Funding to Reverse Decline of Idaho Aquifer Levels \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[AQUIFER RECHARGE DISTRICTS:](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[AQUIFER RECHARGE FOR MITIGATION:](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[AQUIFER STORAGE and RECOVERY \(ASR and Recharge\):](#)

[Aquifer Storage Recovery: Expanding Possibilities in the Western United States by Cat Shrier \(TWR #8: Oct. 15, 2004\)](#)

[Lower Rio Grande Regional Water Plan \(TWR #9, Water Briefs: Nov. 15, 2004\)](#)

[Law of the Rio Grande \(Report from the 6th Annual Conference\) by David Moon, Editor \(TWR #13: March 15, 2005\)](#)

[Aquifer Storage Recovery: The Texas Perspective by Edmond R. McCarthy Jr., Sheridan L. Gilkerson and James C. Dwyer \(TWR #19: September 15, 2005\)](#)

[IDWR Aquifer Recharge Project in Idaho Awarded 2025 Grant \(TWR #24, Water Briefs: February 15, 2006\)](#)

[Arizona Groundwater Law by L. William Staudenmaier \(TWR #33: Nov. 15, 2006\)](#)

[Aquifer Recharge: Eastern Snake Plain Aquifer Assessments Funded \(TWR #34, Water Briefs: December 15, 2006\)](#)

Interstate Water Allocation by Christopher H. Meyer, Givens Pursley LLP (Boise, Idaho) (TWR #42: August 15, 2007)

Aquifer Recharge and Storage: Ongoing Implementation Concerns by Peter G. Scott (TWR #54, August 15, 2008)

Groundwater Supply: ASR Pilot Projects in Oklahoma Pass Legislature (TWR #52, Water Briefs: June 15, 2008)

Drought Actions in California: Water Transfers and Exchanges (TWR #53, Water Briefs: July 15, 2008)

Water Management Alternatives: Incorporating "New" Water Management Methods at a Watershed Scale by Cat Shrier (TWR #56: October 15, 2008)

Groundwater Recharge Upheld in Arizona: "Takings" and Tort Claims Denied (TWR #58, Water Briefs: December 15, 2008)

Groundwater Replenishment & Water Reuse: Orange County California's Water Purification and Reuse Project by Michael R. Markus (TWR #59: Jan. 15, 2009)

California Water Supply: Challenges and Solutions by Dr. Cat Shrier (TWR #59: Jan. 15, 2009)

Water Reuse & Supply Sustainability: WaterReuse Association and International Water Association by Dr. Cat Shrier (TWR #59: Jan. 15, 2009)

Aquifer Recharge and Recovery: Assessing Potential in the Umatilla Basin by Said Amali (TWR #60: Feb. 15, 2009)

Inventory of Potential Below Ground Storage Sites Report Released by Oregon Water Resources Department (TWR #60, Water Briefs: Feb. 15, 2009)

Idaho Power Water Settlement: Swan Falls Agreement Reaffirmed (TWR #62, Water Briefs: April 15, 2009)

Columbia Basin Project: "Artificially-Stored" Groundwater (TWR #63, Water Briefs: May 15, 2009)

Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge (TWR #64: June 15, 2009)

Aquifer Storage Recovery & EPA's Underground Injection Control Program-EPA's "ASR Experts" Report by Shrier (TWR #64: June 15, 2009)

Aquifer Recharge of Eastern Snake Plain Aquifer in Idaho: Total Recharge Over 103,000 Acre-Feet (TWR #66, Water Briefs: August 15, 2009)

Litigation on the Colorado River: Conflicts in Search of Solutions by Michael Gheleta (TWR #67: September 15, 2009)

Arizona Water Management Issues: Maintaining Sustainable Water Management by Steve Olson (TWR #68: Oct. 15, 2009)

Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith (TWR #69: Nov. 15, 2009)

Aquifer Storage & Recovery; New Federal Initiatives - EPA to Develop Guidance by Dr. Cat Shrier (TWR #74, April 15, 2010)

Aquifer Storage & Recovery Regulation: Survey of UIC-ASR Regulation in Different States, Chase Hahn (TWR #74, April 15, 2010)

Vadose Zone Recharge in Arizona: Water Reuse Award (TWR #75, Water Briefs: May 15, 2010)

Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak (TWR #81: November 15, 2010)

Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde (TWR #83: Jan.

15, 2011)

New Water Management Model: The Umatilla Basin Water Commission - Counties, Irrigation District & Confederated Tribes Form Administrative Body by Martha Pagel (TWR #87: May 15, 2011)

Aquifer & River Recharge: Spokane Valley-Rathdrum Prairie (SVRP) Aquifer and the Spokane River (Ecology Study) (TWR #87, Water Briefs: May 15, 2011)

Multi-Sector Water Sharing (Agricultural-Urban-Environmental): Innovative Strategies for the Colorado River Basin & the West by Smith (TWR #88: June 15, 2011)

Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie (TWR #89: July 15, 2011)

Porosity Storage Reservoirs: A 21st Century Solution for Water Storage by Matt Metcalf & William H. Fronczak (TWR #89: July 15, 2011)

Aquifer Storage & Recovery: Advantages, Challenges, Applications & Approaches for Expanding ASR in the West by Burt and Barry (TWR #91: Sept. 15, 2011)

Tribal Water Rights Settlement Funding Announced-Soboba of Luiseño Indians Settlement Act (\$21 Million in California)(TWR #94, Water Briefs: Dec. 15, 2011)

Pilot Program for Managed Recharge on the Eastern Snake Plain Aquifer in Idaho (TWR #96, Water Briefs: Feb. 15, 2012)

Municipal Water Resources & Regional Planning: The Prairie Waters Project - Aurora, Colorado by Lisa Darling (TWR #98: April 15, 2012)

Arizona Groundwater Management by Sharon B. Megdal (TWR #104: Oct. 15, 2012)

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

National Climate Assessment Draft Released by Federal Advisory Committee: "Firmly in the Present" (TWR #108, Water Briefs: Feb. 15, 2013)

Umatilla Basin Aquifer Restoration Project: New Management Model at the Crossroads by Martha Pagel (TWR #109: March 15, 2013)

Conjunctive Use in California's Central Valley: Mixed Results After Decades of Groundwater Banking by Jennifer Spaletta (TWR #111: May 15, 2013)

Aquifer Depletion Study: USGS Releases *Groundwater Depletion in the United States (1900-2008)* (TWR #112, Water Briefs: June 15, 2013)

Instream Flows Decision in Washington: Protection from Impairment - Reserved Use Rule (Reservation) Invalid by David Moon (TWR #116: Oct. 15, 2013)

Aquifer Storage & Recovery for Groundwater Supply - Award Announced for City of Phoenix Project (TWR #117, Water Briefs: Nov. 15, 2013)

Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon (TWR #118, Dec. 15, 2013)

Stream Flow Enhancement/Groundwater Mitigation in Washington - Stormwater Capture & Groundwater Recharge (TWR #120, Water Briefs: Feb. 15, 2014)

Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. (TWR #121: March 15,

2014)

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley (TWR #124: June 15, 2014)

Aquifer Recharge - Water Banking Paper by Arizona WRRC (TWR #125, Water Briefs: July 15, 2014)

Land Subsidence and Groundwater Replenishment in California (TWR #125, Water Briefs: July 15, 2014)

Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer (TWR #127: Sept. 15, 2014)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western United States by Evan Mortimer & David R. Tuthill (TWR #129: Nov. 15, 2014)

Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)

Lessons Learned from Aquifer Storage and Recovery (ASR) Systems in the US (Paper) (TWR #130: Water Briefs, Dec. 15, 2014)

Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly (TWR #131: Jan. 15, 2015)

Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board (TWR #136: June 15, 2015)

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Aquifer Recovery in Idaho: Governor's Budget Provides Funding to Reverse Decline of Idaho Aquifer Levels (TWR #144, Water Briefs: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

ARBITRATION:

The Republican River Compact: Conflict & Arbitration by Justin D. Lavene and Marcus A. Powers (TWR #68: Oct. 15, 2009)

ARCTIC GRAYLING:

[ESA Listing Decision in Montana: Arctic Grayling Not Listed Due to Successful Collaboration \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

AREA OF ORIGIN:

[Area of Origin Reclamation Lawsuit \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

ARIZONA WATER LAW and WATER QUALITY:

[Groundwater Contamination: PCE - Arizona DEQ Superfund Site \(TWR #5, Water Briefs: July 15, 2004\)](#)

[Arizona Water Settlement Approved by Congress \(TWR #10, Water Briefs: Dec. 15, 2004\)](#)

[Groundwater Contamination - Arizona Study of PG&E Plume \(TWR #14, Water Briefs: April 15, 2005\)](#)

[Riparian Funding in Arizona \(TWR #15, Water Briefs: May 15, 2005\)](#)

[Water and the Environment - The Role of Ecosystem Restoration by Sharon B. Megdal \(TWR #16: June 15, 2005\)](#)

[Interstate Water Banking: Evolving Colorado River System Agreement by James H. Davenport \(TWR #17: July 15, 2005\)](#)

[Nonpoint Sources - Arizona Grants \(TWR #18, Water Briefs: August 15, 2005\)](#)

[State NPDES Authority: NPDES Program Vacated in Arizona \(TWR #19, Water Briefs, September 15, 2005\)](#)

[Southwest Water Decisions: Arizona Water Settlements Act, Indian Reserved Rights, Adjudications by McGinnis & Alberts \(TWR #20: October 15, 2005\)](#)

[Groundwater Injury Allowed: "Reasonable Use" Limits Damages \(Ninth Circuit Decision\) \(TWR #24, Water Briefs: February 15, 2006\)](#)

[The ESA & CWA Delegation: Defenders of Wildlife V. EPA by David Light \(TWR #25: March 15, 2006\)](#)

[Golf Course Receives Conservation Fines in Arizona \(TWR #31, Water Briefs: Sept. 15, 2006\)](#)

[Phoenix Water Planning: Water Resources Plan - The 2005 Update by Tom Buschatzke \(TWR #32: October 15, 2006\)](#)

[Arizona Groundwater Law by L. William Staudenmaier \(TWR #33: Nov. 15, 2006\)](#)

[Untapping Tribal Waters: Tribal Water Marketing Expanding by Clay J. Landry and Christina Quinn \(TWR #35: January 15, 2007\)](#)

[Water Conservation Initiatives - Western States Take Action by Craig Bell, Western States Water Council \(TWR #38: April 15, 2007\)](#)

[Mine Tailings Discharge Violation Issued in Arizona \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Supreme Court Limits ESA: *National Homebuilders v. Defenders of Wildlife* by Richard M. Glick and Lindsay Eyler \(TWR #41: July 15, 2007\)](#)

[Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering \(TWR #43, Sept. 15, 2007\)](#)

[Effluent Water Auction in Arizona \(\\$67 Million Sale\) \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Drinking Water Cleanup \(Sulfate\): Arizona Dept. of Environmental Quality \(TWR #48, Water Briefs: February 15, 2008\)](#)

[ADEQ Drinking Water Fine for TCE Contamination and Water Quality Violations \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Water Quality Assurance Revolving Fund in Arizona: Wastewater Treatment Grant \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Aquifer Recharge and Storage: Ongoing Implementation Concerns by Peter G. Scott \(TWR #54, August 15, 2008\)](#)

[Stormwater Fines - Highway Construction Company in Arizona \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Aquifer Protection Permits Announced for Mining in Arizona: Groundwater Quality Protection \(TWR #55, Water Briefs: September 15, 2008\)](#)

[Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell \(TWR #56: October 15, 2008\)](#)

[Clean Water Act Violations in Arizona: \\$1.25 Million Penalty \(TWR #56, Water Briefs: October 15, 2008\)](#)

[Selling Water Rights by Live Auction: Solving the Pricing Dilemma by Paul Thomas \(TWR #57: November 15, 2008\)](#)

[Clean Water Act Violations in Arizona: Santa Cruz River Illegal Filling Results in \\$1.25 Million Penalty \(TWR #57, Water Briefs: November 15, 2008\)](#)

[WATERSENSE State Challenge Won by Arizona Department of Water Resources \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Agricultural Water to Municipal Use: The Legal and Institutional Context for Voluntary Transactions in Arizona by Eden, Glennon, Ker, Libecap, Megdal and Shipman \(TWR #58: December 15, 2008\)](#)

[Groundwater Recharge Upheld in Arizona: "Takings" and Tort Claims Denied \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Groundwater Severance Invalid: Arizona Decision Regarding Future GW Use \(TWR #62, Water Briefs: April 15, 2009\)](#)

[Carbon Sequestration Injection Project in Arizona: West Coast Regional Carbon Sequestration Partnership \(TWR #62, Water Briefs: April 15, 2009\)](#)

[Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro \(TWR #63: May 15, 2009\)](#)

[Mercury Advisory: Fish Consumption Limits in Arizona \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Tribal and Municipal Water Supply: Navajo-Gallup Project - Reclamation Report & EIS \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Arizona Water Management Issues: Maintaining Sustainable Water Management by Steve Olson \(TWR #68: Oct. 15, 2009\)](#)

[Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith \(TWR #69: Nov. 15, 2009\)](#)

[Groundwater Investigation Funded Via Uranium Contamination Agreement \(Tribal Land in Arizona \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Aquifer Storage & Recovery Regulation: Survey of UIC-ASR Regulation in Different States, Chase Hahn \(TWR #74, April 15, 2010\)](#)

[Reclaimed Water Management: Using Vadose Zone Recharge Wells - The Arizona Experience by Marsh & Small \(TWR #74, April 15, 2010\)](#)

[Vadose Zone Recharge in Arizona: Water Reuse Award \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Clean Water Act Enforcement: ADEQ Consent Judgment with ASARCO \(Tailings Discharge\) \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Yuma Desalting Plant Pilot Program Started/ DROP 2 Storage Reservoir Celebration \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Northeastern Arizona Indian Water Rights Settlement - Navajo Nation Council Approval \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Water Conservation Programs in Arizona Evaluated \(Report by Western Resource Advocates\) \(TWR #82, Water Briefs: Dec. 15, 2010\)](#)

[Tribal Water Rights and the Colorado River Reallocation Through Forbearance Agreements by Mason D. Morisset \(TWR #87: May 15, 2011\)](#)

[Treatment As A State: Havasupai Tribe Authority Under Clean Water Act \(TWR #87, Water Briefs: May 15, 2011\)](#)

[Green Construction - Tribal Community Adopts International Code \(TWR #87, Water Briefs: May 15, 2011\)](#)

[Water Sharing Strategies for Ag/Urban/Enviro in the West: Western States Council Report with CSU's Water Institute \(TWR #87, Water Briefs: May 15, 2011\)](#)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[*Colorado River Basin Supply & Demand Study* by Carly Jerla, Terry Fulp, and Pam Adams \(TWR #90: August 15, 2010\)](#)

[Mercury Contamination in Arizona: Fish Consumption Advisory Issued by ADEQ \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Water Resources Regulation & Development: Groundwater, Floodplains, and "Waters of the United States" by Robert D. Anderson \(TWR #91: Sept. 15, 2011\)](#)

[Reclaimed Wastewater: Hopi Tribe in Arizona Sues Flagstaff Over Snowmaking Proposal \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Tribal Water Supply: White Mountain Apache Tribal Government Water Right Settlement \(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[Negotiating Indian Water Rights Claims: Twelfth Biennial Symposium on Settlement of Indian Reserved Water Rights by Killoren \(TWR #95: Jan. 15, 2012\)](#)

[Draft 2010 Status of Water Quality in Arizona 305\(b\) Assessment and 303\(d\) Listing Report - Public Comments \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[NEPA Procedural Ruling in Arizona Snowbowl Case: Claims Found Meritless Under NEPA and APA \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Western States' Water Planning: The Best Laid Plans - Water Planning in Uncertain Times by Janet Neuman \(TWR #99: May 15, 2012\)](#)

[Arizona Legislation: Instream Water Rights Face Hurdles & Rainwater Harvest Pilot Projects Proposed \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Emerging Contaminants Advisory Panel Forming in Arizona \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Compliance Assistance - Small Community Program with Arizona DEQ \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[Arizona Groundwater Management by Sharon B. Megdal \(TWR #104: Oct. 15, 2012\)](#)

State Trust Lands Decision by Arizona Supreme Court - No Federal Reserved Rights (TWR #104, Water Briefs: Oct. 15, 2012)

Navajo-Gallup Water Supply Project Funding - Expedited Permitting & Review for Navajo Nation (TWR #104, Water Briefs: Oct. 15, 2012)

Pipeline Spill & Water Quality Violations: ADEQ Enforcement for Silver Bell Mining (TWR #108, Water Briefs: Feb. 15, 2013)

Wastewater Spills in Arizona - ADEQ Enforcement (Fine & Supplemental Environmental Project Required) (TWR #110, Water Briefs: April 15, 2013)

Southern Nevada Water Authority Article: Low Winter Flows in the Colorado River & Projected Shortages (TWR #111, Water Briefs: May 15, 2013)

Sediment Control in Arizona: ADEQ-EPA Grant Program - Piping Project & Nonpoint Pollution Control (TWR #111, Water Briefs: May 15, 2013)

EPA Reaches Agreement With ADOT to Improve Stormwater Management (TWR #111, Water Briefs: May 15, 2013)

Mine Permit Appealed From ADEQ Decision: Aquifer Protection Permit in Arizona (TWR #115, Water Briefs: Sept. 15, 2013)

Arizona v. California Digital Collection Debuted at William A. Wise Law Library (CU) (TWR #117, Water Briefs: Nov. 15, 2013)

Aquifer Storage & Recovery for Groundwater Supply - Award Announced for City of Phoenix Project (TWR #117, Water Briefs: Nov. 15, 2013)

Regional Water Management Cooperation: Study Compares Four Cases in the West by Nathaniel Delano and Sharon B. Megdal (TWR #121: March 15, 2014)

Arizona's "Strategic Vision for Water Supply Sustainability" (TWR #121, Water Briefs: March 15, 2014)

Water Harvesting Assessment (TWR #124, Water Briefs: June 15, 2014)

Arizona Groundwater Use Decision: Groundwater Plan for Development Project Rejected by David Moon (TWR #125: July 15, 2014)

Aquifer Recharge - Water Banking Paper by Arizona WRRC (TWR #125, Water Briefs: July 15, 2014)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Water Consciousness Challenge: The New Arizona Prize to be Awarded (TWR #129: Water Briefs, Nov. 15, 2014)

Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)

Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

EPA Settlement-Uranium Contamination Finalized: \$5.15 Billion From Handiwork and Kerr-McGee (TWR #132, Water Briefs: Feb. 15, 2015)

Tribal Water Agreements Highlighted: Shoshone-Paiute Settlement Signed (TWR #134, Water Briefs: April 15, 2015)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Tribal Wastewater - Water Pollution Facility & Settlement Over CWA Violations by Tribal Utility (TWR #138, Water Briefs: August 15, 2015)

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

[Proposed Reallocation of Non-Indian Agricultural Water in the Central Arizona Project \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch \(TWR #145: March 15, 2016\)](#)

ARKANSAS RIVER:

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

ARSENIC:

[Arsenic Removal for Drinking Water - EPA \(TWR #1, Water Briefs: March 15, 2004\)](#)

[Arsenic Rule: Compliance Tools Available \(TWR #23, Water Briefs: Jan. 15, 2006\)](#)

[California Water Supply: Challenges and Solutions by Dr. Cat Shrier \(TWR #59: Jan. 15, 2009\)](#)

[EPA Proposing to Amend Effluent Limitations Guidelines & Standards for Steam Electric Power Generating \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre \(TWR #114: August 15, 2013\)](#)

[Mine Permit Appealed From ADEQ Decision: Aquifer Protection Permit in Arizona \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Clean Water Act Enforcement: Oil Spill Fines & Restitution in Wyoming - Criminal Charges Pending \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell \(TWR #126: August 15, 2014\)](#)

[Fish Consumption Rate: Water Quality Standards Proposed in Washington State \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Fish Consumption Rule & Toxics Standards Proposal for Washington \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Steam Electric Plants Toxic Pollutants Discharges: Rule Finalized by EPA \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

ARTIFICIAL RECHARGE: See Aquifer Storage Recovery

-

“ASPIRATIONAL” FLOWS:

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

-

ASSUMPTIONS:

Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon (TWR #141: Nov. 15, 2015)

-

ASSURED WATER SUPPLY:

Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

ATMOSPHERIC RIVERS:

Water & Power: Reclamation Science & Technology Development Projects (TWR #141, Water Briefs: Nov. 15, 2015)

ATTORNEY FEES:

Colorado Water Law Decision (TWR #12, Water Briefs: Feb. 15, 2005)

Texas Water Law: An Update on Recent Legislation and Case Law by Deborah Clarke Trejo and Tina Alvarado Arnold (TWR #49: March 15, 2008)

Clean Water Act Litigation: Avoiding and Responding to Third-Party Lawsuits by Jeff Kray & Meline MacCurdy (TWR #79, Sept. 15, 2010)

CERCLA Citizen Suits Provisions: "Prevailing" Party Determination - The Award of Fees & Costs in *Pakootas v. Teck Cominco Metals, Ltd.* by Du Bey, Clark & Weir (TWR #85: March 15, 2011)

Adverse Possession & Beneficial Use in Colorado by David Moon, Editor (TWR #108: Feb. 15, 2013)

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

Metropolitan Water District of Southern California Found Liable for \$8.9 Million in Attorney's Fees in Rate Case (TWR #146, Water Briefs: April 15, 2016)

Stock Pond Permit Settlement: EPA & Landowners Settle Clean Water Act Lawsuit (TWR #148, Water Briefs: June 15, 2016)

AUCTIONS of Water Rights:

[Effluent Water Auction in Arizona \(\\$67 Million Sale\) \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Selling Water Rights by Live Auction: Solving the Pricing Dilemma by Paul Thomas \(TWR #57: November 15, 2008\)](#)

[Reverse Auction for Leasing Instream Flow in Washington \(TWR #135, Water Briefs: May 15, 2015\)](#)

[AUDIT PROGRAMS \(see also WATER AUDITS\):](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[AUGMENTATION PLANS \(See also Groundwater\):](#)

[Colorado Water Law Decision \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Federal Plan Violates Endangered Species Act: Snake River BiOp Plan Flawed \(TWR #28, Water Briefs, June 15, 2006\)](#)

[Groundwater Augmentation: Conjunctive Use Decision by Colorado Supreme Court \(TWR #29, Water Briefs: July 15, 2006\)](#)

[Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs \(TWR #36, February 15, 2007\)](#)

[Water Quality Thermal Credit Trading: Methods for Quantifying Thermal Credits by Dupuis, Smesrud, Wirz & Primozich \(TWR #52: June 15, 2008\)](#)

[Groundwater and Water Availability: Colorado Decision on Exempt Wells and the No Injury Rule \(TWR #59, Water Briefs: Jan. 15, 2009\)](#)

[Ground Water Availability & The No Injury Rule: Domestic Well Owners Protected in Colorado by David Moon \(TWR #60: Feb. 15, 2009\)](#)

[Pecos River Compact Compliance: New Mexico's Compliance Program Meets With Success by James C. Brockmann \(TWR #61: March 15, 2009\)](#)

[The Republican River Compact: Conflict & Arbitration by Justin D. Lavene and Marcus A. Powers \(TWR #68: Oct. 15, 2009\)](#)

[Well Augmentation: Conjunctive Use Decision in Colorado \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[South Platte Well Crisis, 2002-2010: Evolving Alluvial Groundwater Regulation by P. Andrew Jones \(TWR #78: Aug. 15, 2010\)](#)

[Republican River Compact - Arbitrator's Ruling \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak \(TWR #81: November 15, 2010\)](#)

[Key Tribal Water Developments in the Pacific Northwest by Duane Mecham \(TWR #83: Jan. 15, 2011\)](#)

[Conjunctive Use Decisions: Applying the Prior Appropriation Doctrine to Groundwater Use by David Moon \(TWR #86: April 15, 2011\)](#)

[South Platte Wells in Colorado: Over-Augmentation Damage Study Begins \(TWR #107, Water Briefs: January 15, 2013\)](#)

[CSKT Water Rights Compact Unratified: Montana Legislature Refuses to Ratify Confederated Salish and Kootenai Tribes Compact by Weiner & Stermitz \(TWR #114: August 15, 2013\)](#)

[Columbia River Treaty Review: Update & Next Steps \(From the US Entity\) - Special to The Water Report \(TWR #117, Nov. 15, 2013\)](#)

[South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom \(TWR #122: April 15, 2014\)](#)

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill \(TWR #129: Nov. 15, 2014\)](#)

[Water Right Nonuse: Historical Beneficial Consumptive Use in Change Proceedings in Colorado \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

AUTONOMY:

[Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner \(TWR #132: Feb. 15, 2015\)](#)

AVERAGE ANNUAL RECHARGE:

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

AVOIDED COSTS:

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

BACKGROUND LEVELS:

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher \(TWR #148: June 15, 2016\)](#)

BACKGROUND POLLUTANT:

[Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell \(TWR #126: August 15, 2014\)](#)

BACTERIA:

[*2008-2009 National Rivers and Stream Assessment - EPA Stream Survey*](#) (TWR #110, Water Briefs: April 15, 2013)

[Water Quality Monitoring Report Released by Izaak Walton League of America: Haphazard & Limited](#) (TWR #146, Water Briefs: April 15, 2016)

BAKKEN SHALE:

[Crude Oil-By-Rail & the Endangered Species Act: Coming Soon to Train Tracks Near You?](#) by Kristen L. Boyles (TWR #136: June 15, 2015)

BALANCE:

[Measuring Water Resource Resilience](#) by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

BALANCE OF THE EQUITIES:

[Tribal Groundwater Case: Water Districts' Equitable Defenses Denied](#) (TWR #145, Water Briefs: March 15, 2016)

BALANCING TEST:

[Instream Flows Decision in Washington: Protection from Impairment - Reserved Use Rule \(Reservation\) Invalid](#) by David Moon (TWR #116: Oct. 15, 2013)

[Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits](#) by Thomas M. Pors (TWR #124: June 15, 2014)

[Living Within Our Water Means: Protecting Instream Resources in Washington](#) by Dan Von Seggern (TWR #145: March 15, 2016)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions](#) by Thomas Pors (TWR #145: March 15, 2016)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems](#) by Dan Von Seggern (TWR #146: April 15, 2016)

BALLAST WATER:

[New Regulations for Ballast Water Ordered](#) (TWR #32, Water Briefs: October 15, 2006)

[Ballast Water Discharges & Invasive Species: Decision Requires Clean Water Act NPDES Permits](#) (TWR #54, Water Briefs: August 15, 2008)

BASE FEES:

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience](#) by Amy Hardberger (TWR #146: April 15, 2016)

BASE FLOOD ELEVATION:

Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation by Molly Lawrence (TWR #131: Jan. 15, 2015)

BASE FLOWS:

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

BASELINE:

Northwest Water Quality Trading: Joint Recommendations in the Pacific Northwest by Sanneman, Cochran, Culliney, Furia, Power & Wigington (TWR #125: July 15, 2014)

BASIN CLOSURES (see also Closed Basins):

Montana Groundwater/Surface Water Conflicts: Management in Search of Science and Reason by Kendy, Wilson and Ziemer (TWR #19: September 15, 2005)

Montana Supreme Court Rules on Groundwater Process: Basin Closures and Conjunctive Use by David C. Moon (TWR #28, June 15, 2006)

Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert (TWR #107: January 15, 2013)

Groundwater Closure in New Mexico: Protection of Existing Rights (TWR #109, Water Briefs: March 15, 2013)

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

Huge Instream Donation: Water Supply/Trust Program in Washington (TWR #132, Water Briefs: Feb. 15, 2015)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

BASIN OF ORIGIN PROTECTION:

[New Era of Interbasin Water Transfers by Barbara Cosens \(TWR #72: Feb. 15, 2010\)](#)

[Oklahoma Water Storage: Tribal Concerns Raised - Municipalities Purchase Reclamation Project by David Moon, Editor \(TWR #79, Sept. 15, 2010\)](#)

[Oklahoma Storage Transfer Controversy: Tribal Nations & Local Interests Oppose the Transfer Agreement by David Moon, Editor \(TWR #80: Oct. 15, 2010\)](#)

[Basin of Origin Claim Denied by Federal Judge in California: Reclamation Prevails Over Tehama-Colusa Canal Authority \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Basin of Origin Claims of Tehama-Colusa Canal Authority Rejected by 9th Circuit - Reclamation Cutbacks Upheld \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Groundwater Orders in Nevada: Las Vegas Applications Back to State Engineer for Decision \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[“BASIN PLANS” \(CALIFORNIA\):](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[BASIN ROUNDTABLES \(see also Colorado Water Rights\):](#)

[Colorado's Water Plan by Jayla Ryan Poppleton \(TWR #123: May 15, 2014\)](#)

[BASIN-SPECIFIC STANDARDS:](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[BASIN STUDIES:](#)

[River Basin Studies Announced by Reclamation: Imbalance of Supply, Needs & Demands \(TWR #137, Water Briefs: July 15, 2015\)](#)

[BAY DELTA \(see also San Joaquin\):](#)

[Delta Smelt Order in California and Water Supply Impacts \(TWR #47, Water Briefs: January 15, 2008\)](#)

[Delta Smelt Endangered Species Act Ruling \(TWR #51, Water Briefs: May 15, 2008\)](#)

[The Peripheral Canal: San Francisco Bay - Delta Estuary Proposals by Dante Nomellini \(TWR #53: July 15, 2008\)](#)

[Drought Actions in California: Water Transfers and Exchanges \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Peripheral Canal Reports Released: Delta Vision & PPIC \(TWR #54, Water Briefs: August 15, 2008\)](#)

[California Bay-Delta "Interim Federal Action Plan" Released \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt \(TWR #72: Feb. 15, 2010\)](#)

[Delta Decisions: Salmon & Smelt Court Rulings in California \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Delta Smelt Decline: New Study Blames Nutrient Pollution \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Fish Restoration Program in the Sacramento-San Joaquin Delta & Suisun Marsh: Departments Agreement Signed \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

["The Reasonable Use Doctrine and Agricultural Water Use Efficiency" - California's Delta Watermaster Report \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Bay Delta Conservation Plan: Schedule for Effects Analysis & EIS/EIR \(June 2012\) \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[National Research Council's Report Released: "A Review of the Use of Science and Adaptive Management in California's Draft Bay Delta Conservation Plan" \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Delta Smelt Rulings in California's Bay-Delta: BiOp Remanded and Injunction Issued Blocking USFWS Proposal \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Climate Change & San Francisco Bay Watershed: Watershed Impacts for the Coming Century-Edited/Condensed from: James Cloern \(TWR #94: Dec. 15, 2011\)](#)

[Corps Levee Policy on Vegetation Removal: CDFG Files Suit Against Removal Requirement \(TWR #100, Water Briefs: June 15, 2012\)](#)

[Tunnels Planned for Bay Delta Conservation Plan - Supply/Restoration of Sacramento-San Joaquin Delta Ecosystem \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Bay Delta Action Plan Released by EPA \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[*Improving Water Right Enforcement Authority*, California Bay-Delta Watermaster Report \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson \(TWR #106: Dec. 15, 2012\)](#)

[Delta Stewardship Council Posts the Delta Plan Final Draft in California \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Bay Delta Deliveries: Reduced Pumping & Endangered Species Act Issues \(TWR #109, Water Briefs: March 15, 2013\)](#)

[Agricultural Water Conservation Efficiency Grants - Bay Delta Restoration Program \(TWR #109, Water Briefs: March 15, 2013\)](#)

[Bay Delta Plan: Drafts of Conservation Plan Released in California \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Draft Economic Report on the Bay Delta Conservation Plan Released \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Bay Delta Conservation Plan Released for Public Review - California & Federal Partners \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[California Water Action Plan Released \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Bay-Delta EIR/EIS Comment Period Extended \(TWR #121, Water Briefs: March 15, 2014\)](#)

[Bay Delta Decision: Ninth Circuit Upholds Federal Plan of Protection for Delta Smelt \(TWR #122, Water Briefs: April 15, 2014\)](#)

[Ninth Circuit: Reclamation Renewal of Water Supply Contracts from Bay-Delta Ecosystem Violated ESA \(TWR #123, Water Briefs: May 15, 2014\)](#)

[Reclamation Contracts Challenge & the ESA: Supreme Court Denies Petition by Irrigation Districts \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt \(TWR #134: April 15, 2015\)](#)

[Water Transfers Program by Reclamation Proposed for Voluntary Water Transfers in California \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Delta Stormwater Settlement: Toxic Discharges Suit Under ESA & Clean Water Act \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

BEAVERS:

[Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani \(TWR #123: May 15, 2014\)](#)

BEER:

[Recycled Water: Beer Brewing Proposal in Oregon \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

BEES:

[Insecticides Study: USGS on Neonicotinoids and Impacts on Bees \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

"BENEFICIAL USE":

[Speculation in Water Rights: Transfer Decisions by the Colorado Supreme Court and Special Status for Municipalities by Moon \(TWR #20: October 15, 2005\)](#)

[Municipal Water Rights: Retroactive Expansion Lawsuit \(TWR #32, Water Briefs: October 15, 2006\)](#)

[Coalbed Methane: Water Right Permits Required in Colorado \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Anti-Speculation Doctrine: Water Supply Planning Decision in Colorado \(TWR #45, Water Briefs: Nov. 15, 2007\)](#)

[Effluent Water Auction in Arizona \(\\$67 Million Sale\) \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use?](#) by Sandra Zellmer (TWR #50: April 15, 2008)

[Anti-Speculation Article Response - Mesa Water LLP](#) (TWR #52: June 15, 2008)

[Idaho Water Law: Update from Coeur d'Alene Conference](#) by David Moon (TWR #52: June 15, 2008)

[Water Rights Ownership Decision: Trust Relationship Between Irrigation Districts and Water Users](#) by David C. Moon (TWR #54, August 15, 2008)

[Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows"](#) by Lawrence J. MacDonnell (TWR #56: October 15, 2008)

[Hydroelectric Relicensing and Tribal Religious Claims: FERC's Increase of Minimum Flows Upheld](#) by David C. Moon (TWR #58: December 15, 2008)

[Adverse Possession, Abandonment & Beneficial Use: Colorado Supreme Court Decision](#) (TWR #61, Water Briefs: March 15, 2009)

[Coalbed Methane Decision: "Beneficial Use" and Well Permit Required - Ranchers' Senior Water Rights Protected](#) by David Moon (TWR #63: May 15, 2009)

[Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective](#) by Budge (TWR #64: June 15, 2009)

[Interstate Groundwater Allocation: Nevada - Utah Draft Snake Valley Management Agreement](#) by David Moon (TWR #67: September 15, 2009)

[Produced Water & Regulatory Structure: Colorado Struggles with Coalbed Methane Jurisdiction & Control](#) by Michelle Henrie (TWR #69: Nov. 15, 2009)

[Area of Origin Reclamation Lawsuit](#) (TWR #73, Water Briefs: March 15, 2010)

["Conservation" Right in Kansas: Beneficial Use Definition \(Protection for Instream Flow\)](#) (TWR #73, Water Briefs: March 15, 2010)

[Texas Water Law Litigation](#) by Brian L. Sledge and Jason T. Hill (TWR #76: June 15, 2010)

[Municipal Water Law Upheld by Washington Supreme Court: "Pumps and Pipes" & Expanded Municipal Suppliers](#) (TWR #81, Water Briefs: Nov. 15, 2010)

[Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation](#) by Clyde (TWR #83: Jan. 15, 2011)

[Conjunctive Use Decisions: Applying the Prior Appropriation Doctrine to Groundwater Use](#) by David Moon (TWR #86: April 15, 2011)

[Irrigation Efficiency: Conserved Water & Return Flow - Supreme Court Decision in *Montana v. Wyoming*](#) (TWR #87, Water Briefs: May 15, 2011)

[Anti-Speculation Decision in Colorado: Need & Speculative Sales](#) (TWR #87, Water Briefs: May 15, 2011)

[Ag to Urban Transfer: No Injury Rule & Historical Use \(Colorado Decision\)](#) (TWR #88, Water Briefs: June 15, 2011)

["Use It or Lose It" Principle Questioned by Kansas Governor: Ogallala Aquifer & Conservation Incentives](#) (TWR #90, Water Briefs: August 15, 2011)

[Municipal Water Rights in Montana: Court Rejects "Growing Cities Doctrine" and Upholds Agency Transfer Decision](#) (TWR #91, Water Briefs: Sept.

15, 2011)

Speculative Use or Regional Provider: Company Applies for Massive Water Right in Oregon by David Moon (TWR #94: Dec. 15, 2011)

Irrigation to Instream in Wyoming: Change to State-Owned Water Rights Sets Precedent (TWR #94, Water Briefs: Dec. 15, 2011)

"Taking" Decision in US Court of Federal Claims (Beneficial Use & Damages) (TWR #95, Water Briefs: Jan. 15, 2012)

Construing Speculative Use: TCEQ Remands Million Acre-Foot Water Application for Brazos River Basin by David Moon, Editor (TWR #96: Feb. 15, 2012)

Groundwater Rights & Regulation in Texas: Ownership and "Takings" (TWR #97, Water Briefs: March 15, 2012)

Texas Groundwater Ruling-*EAA v. Day*: Texas Supreme Court Confirms Landowner's Ownership of Groundwater in Place by McCarthy (TWR #99: May 15, 2012)

Speculation Denied by New Mexico State Engineer: Groundwater Application Rejected (TWR #99, Water Briefs: May 15, 2012)

Speculation - ALJ Ruling in Oregon Overturns Agency Decision (TWR #99, Water Briefs: May 15, 2012)

Historic Use & "Takings" Decision in Colorado: Transfer Application Prompts Review (TWR #100, Water Briefs: June 15, 2012)

Water Transfers in the West by Carlee Brown (TWR #107: January 15, 2013)

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

Adverse Possession & Beneficial Use in Colorado by David Moon, Editor (TWR #108: Feb. 15, 2013)

Tribal Claims to the Colorado River by Ryan Smith (TWR #109: March 15, 2013)

"Takings" Claim Denied in *Casitas* Case: Beneficial Use & Injury Alleged (TWR #110, Water Briefs: April 15, 2013)

Water Quality Assessment Map Announced in Utah: Tool for Beneficial Uses and Water Quality Conditions (TWR #111, Water Briefs: May 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Utah Nuclear Plant Water Right Transfers Upheld by Court (TWR #118, Water Briefs: Dec. 15, 2013)

Speculation in Water: Application Rejected in Oregon by Water Resources Department (TWR #122, Water Briefs: April 15, 2014)

Stream Access in New Mexico: Attorney General's Opinion (TWR #123, Water Briefs: May 15, 2014)

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Evan Mortimer & David R. Tuthill \(TWR #129: Nov. 15, 2014\)](#)

[Water Right Nonuse: Historical Beneficial Consumptive Use in Change Proceedings in Colorado \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz \(TWR #134: April 15, 2015\)](#)

[Small Scale Hydropower & Ditch Easements: Colorado Decision Applies “No Injury Rule” and Maximum Use by David Moon \(TWR #136: June 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Colorado Water Markets: “Alternative Transfer Mechanisms” by P. Andrew Jones \(TWR #138, August 15, 2015\)](#)

[Alaska Instream Water Applications Decision: “Public Interest” and the “Most Beneficial Use” by Moon \(TWR #141: Nov. 15, 2015\)](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from “Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States” by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[Rio Grande Lawsuit: WildEarth Guardians Seek Historical Beneficial Use Accounting for Water Rights \(TWR #146, Water Briefs: April 15, 2016\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

BENEFICIAL USE RISK CATEGORIES (BURCs):

[California's Freshwater Nutrient Numeric Endpoint \(NNE\) Approach: Re-evaluating the Santa Margarita River Case Study by Thomas, Gindlesperger & Barnard \(TWR #115: Sept. 15, 2013\)](#)

BENEFIT/COST ANALYSIS (see also COST/BENEFIT ANALYSIS):

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

[Authors' Responses: Yakima River Basin Integrated Plan \(TWR #135: May 15, 2015\)](#)

[“Waters of the US” Definition: Preliminary Injunction Stops Application of New EPA/Army Corps Rule by David Moon \(TWR #139, Sept. 15, 2015\)](#)

[Stormwater Runoff, Combined Sewer Overflows, and Infrastructure Research Funding \(TWR #148, Water Briefs: June 15, 2016\)](#)

BENEFITS QUANTIFICATION:

[Northwest Water Quality Trading: Joint Recommendations in the Pacific Northwest by Sanneman, Cochran, Culliney, Furia, Power & Wigington \(TWR #125: July 15, 2014\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

"BEST AVAILABLE EVIDENCE":

[New Mexico Priority Administration: New Mexico Supreme Court Decision on State Engineer's Authority by David Moon \(TWR #105: Nov. 15, 2012\)](#)

"BEST AVAILABLE TECHNOLOGY":

[Dam Pollution Settlement: Oil Leakage at Columbia & Snake River Dams and the Clean Water Act \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

BEST MANAGEMENT PRACTICES - BMPs (see also Stormwater):

[Stormwater BMPs by Eric Strecker, Marcus Quigley, Ben Urbonas and Jonathon Jones \(TWR #6: August 15, 2004\)](#)

[Texas Conservation Report and Best Management Practices Guide \(TWR #9, Water Briefs: Nov. 15, 2004\)](#)

[Stormwater Violation and EPA Settlement \(TWR #30, Water Briefs: August 15, 2006\)](#)

[Stormwater Violations: Developers Fined in Idaho \(TWR #31, Water Briefs: Sept. 15, 2006\)](#)

[Stormwater Settlement \(Failure to Obtain and Failure to Follow Provisions \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Municipal Stormwater: An Overview of Current Regulation and Management by Misha Vakoc \(TWR #40, June 15, 2007\)](#)

[International Stormwater BMP Database Update by Eric Strecker, Jane Clary, Marcus Quigley, and Jonathan Jones \(TWR #45, Nov. 15, 2007\)](#)

[Storm Water Regulation Update: Rough Waters In California by Wendy L. Manley \(TWR #55: September 15, 2008\)](#)

[Columbia River Toxics: EPA's Columbia River Basin State of the River Report for Toxics by Mary Lou Soscia and Kim Johnson \(TWR #58: December 15, 2008\)](#)

[Aquifer Storage Recovery & EPA's Underground Injection Control Program-EPA's "ASR Experts" Report by Shrier \(TWR #64: June 15, 2009\)](#)

[Stormwater Retention On Site: An Analysis of Feasibility and Desirability by Eric W. Strecker, PE, and Aaron Poresky, EIT \(TWR #65: July 15, 2009\)](#)

[Residual Designation Authority: New Applications of Seldom-Used Clean Water Act Regulatory Tool by Robert W. Varney \(TWR #71: Jan. 15, 2010\)](#)

[Construction Stormwater BMPs: California Handbook Developed by California Stormwater Quality Association \(CASQA\) \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Stormwater & Sediment Contamination: Minimizing Potential Sediment Recontamination & Associated Liability by Eric Strecker, PE, Marcus Quigley, PE and Marc Leisenring, PE \(TWR #72: Feb. 15, 2010\)](#)

[Washington Stormwater Regulation: New Industrial Stormwater General Permit by Jeff Kray \(TWR #75: May 15, 2010\)](#)

[Stormwater Permit Compliance: New Washington State Industrial Permit Poses Challenges by Neil Alongi \(TWR #76: June 15, 2010\)](#)

[Dissolved Metals in Stormwater: Biotic Ligand Model - New Treatment Paradigm \(Obtaining Environmental Protection With New Technology & Defensible Standards by Wisdom & Bucich \(TWR #86: April 15, 2011\)](#)

[Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey \(TWR #97: March 15, 2012\)](#)

[Industrial Stormwater Permitting: Status and Trends in Western States by Gregg Bryden \(TWR #98: April 15, 2012\)](#)

[Oregon Temperature Water Quality Standards Upheld \(Sort Of\) by Richard M. Glick \(TWR #98: April 15, 2012\)](#)

[Nonpoint Source Pollution: Restoration Success in Texas Using Voluntary BMPs \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[New EPA Stormwater Rules Issued on Logging Roads Runoff Just Before Supreme Court Argument \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase \(TWR #108: Feb. 15, 2013\)](#)

[Washington Stormwater Center: Projects Update by Lisa Rozmyn \(TWR #109: March 15, 2013\)](#)

[Hydraulic Fracturing & Water: Considering the Water Resources Impacts of Hydraulic Fracturing by Adam Orford \(TWR #110: April 15, 2013\)](#)

[Nutrient Trading & Water Quality by Susan Parker Bodine \(TWR #113: July 15, 2013\)](#)

[Oil & Gas Searchable Database of State Law: Created by Getches-Wilkinson Center & Temple University \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Supreme Court Stormwater Ruling: *Los Angeles Flood Control District v. NRDC* - A Strange and Meandering Case by Christopher Rich \(TWR #120: Feb. 15, 2014\)](#)

[Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber \(TWR #122: April 15, 2014\)](#)

[California's New Industrial Storm Water Permit by Wendy L. Manley, Wendel Rosen Black & Dean, LLP \(TWR #124: June 15, 2014\)](#)

[Northwest Water Quality Trading: Joint Recommendations in the Pacific Northwest by Sanneman, Cochran, Culliney, Furia, Power & Wigington](#)

(TWR #125: July 15, 2014)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheume (TWR #139, Sept. 15, 2015)

Sediment Cleanup in Seattle: Penalties Issued for Violations of Cleanup Agreement (TWR #139, Water Briefs: Sept. 15, 2015)

FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding (TWR #140: Oct. 15, 2015)

Delta Stormwater Settlement: Toxic Discharges Suit Under ESA & Clean Water Act (TWR #140, Water Briefs: Oct. 15, 2015)

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

LA's Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan (TWR #141: Nov. 15, 2015)

Forest Roads: EPA Considers Stormwater Discharge Requirements (TWR #142, Water Briefs: Dec. 15, 2015)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

"BEST TECHNOLOGY AVAILABLE"/BEST TECHNOLOGY STANDARD:

Cooling Water Intakes: EPA Standards Finalized (TWR #124, Water Briefs: June 15, 2014)

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

BIAS:

Office of Inspector General's Report on EPA's Actions & Decision on Alaska's Bristol Bay Watershed (TWR #144, Water Briefs: Feb. 15, 2016)

BIOACCUMULATION:

Plastic "Microbeads" Study Proposes Outright Ban for Wastewater Problem (TWR #140, Water Briefs: Oct. 15, 2015)

BIOATTENUATION ZONE:

Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder (TWR #139, Sept. 15, 2015)

"BIOAVAILABILITY":

Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher (TWR #148: June 15, 2016)

BIOCONFIRMATION:

Numeric Nutrients: EPA Toolkit for Criteria Released (TWR #116, Water Briefs: Oct. 15, 2013)

BIODEGRADABLE PLASTICS:

Microbeads Banned in US By Federal Legislation (TWR #143, Water Briefs: Jan. 15, 2016)

BIODEGRADATION:

Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder (TWR #139, Sept. 15, 2015)

Fracking Spills in North Dakota: Duke University Study on Widespread Water & Soil Contamination (TWR #146, Water Briefs: April 15, 2016)

BIODIVERSITY LOSS:

"Hydropeaking" Flows Study: Devastating Impacts on Aquatic Insects (TWR #146, Water Briefs: April 15, 2016)

BIOFILTRATION:

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

BIOFUEL:

Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly (TWR #131: Jan. 15, 2015)

BIOGAS:

Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly (TWR #131: Jan. 15, 2015)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

BIOLOGICAL ASSESSMENTS:

Water Assessment - EPA Biological Assessment Document on Water Quality Management (TWR #94, Water Briefs: Dec. 15, 2011)

Aquatic Bioassessment USGS Database: BioData Retrieval System (TWR #94, Water Briefs: Dec. 15, 2011)

BIOLOGICAL OPINION (BiOps) - see also ENDANGERED SPECIES ACT:

Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation by Molly Lawrence (TWR #131: Jan. 15, 2015)

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

Columbia Basin Salmon BiOp Rejected by Federal Court: Fed Plan Invalidated for Fifth Time - ESA & NEPA Violated (TWR #146, Water Briefs: April 15, 2016)

BIOMETHANE:

Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly (TWR #131: Jan. 15, 2015)

BIOREMEDIATION:

Groundwater Cleanup in New Mexico - PCE Plume & Bioremediation Pilot Project (TWR #39, Water Briefs: May 15, 2007)

Biological Treatment of Groundwater and Soil Contamination in California (TWR #44, Water Briefs: Oct. 15, 2007)

TMDL Challenges in Development and Implementation by David L. Clark, Jory Oppenheimer, and Michael Kasch (TWR #47: January 15, 2008)

Enzyme Bioremediation: Funding Awarded for Research by Texas Company (TWR #61, Water Briefs: March 15, 2009)

BIORETENTION & BIOINFILTRATION:

Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, (TWR #122: April 15, 2014)

Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill (TWR #134: April 15, 2015)

Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R.

[Alongi \(TWR #138, August 15, 2015\)](#)

[Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheaume \(TWR #139, Sept. 15, 2015\)](#)

[BIORETENTION SOIL MEDIA \(BSM\):](#)

[Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheaume \(TWR #139, Sept. 15, 2015\)](#)

[BIORETENTION SWALES:](#)

[Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheaume \(TWR #139, Sept. 15, 2015\)](#)

[BIOTIC LIGAND MODEL:](#)

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher \(TWR #148: June 15, 2016\)](#)

[BISHOP LETTER:](#)

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

[“BLACK SWANS”:](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[BLOCK RATES:](#)

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

[BOATING WASTE:](#)

[Delta Stormwater Settlement: Toxic Discharges Suit Under ESA & Clean Water Act \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

BOND - WATER BOND:

The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt (TWR #134: April 15, 2015)

Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons (TWR #143: January 15, 2016)

BONNEVILLE POWER ADMINISTRATION:

Kalispel Tribe Agreement With Federal Agencies: Habitat & Fish Stocks in Columbia Basin (TWR #102, Water Briefs: August 15, 2012)

Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi (TWR #104: Oct. 15, 2012)

Columbia River Treaty Review: Update & Next Steps (From the US Entity) - Special to The Water Report (TWR #117, Nov. 15, 2013)

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

BORDER JURISDICTION:

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

BORDER PROGRAM (U.S. & Mexico):

US-Mexico Border Water Infrastructure Program 2012 Annual Report - Released by EPA (TWR #110, Water Briefs: April 15, 2013)

BOUNDARIES OF GROUNDWATER:

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

BOUNDARY:

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

BRACKISH WATER:

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board (TWR #136: June 15, 2015)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[Desalination and Water Purification Research Program - Funding from Reclamation Announced \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[Water & Power: Reclamation Science & Technology Development Projects \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative \(TWR #146: April 15, 2016\)](#)

BREACH OF CONTRACT:

[Federal Breach of Contract: Reclamation Loses Appeal on Breach of Contract Claim by David Moon \(TWR #127: Sept. 15, 2014\)](#)

[*Texas v. New Mexico and Colorado*, No. 141 Original: Update & Summary by Sarah A. Bond \(TWR #130: Dec. 15, 2014\)](#)

[Reclamation Contracts Challenge & the ESA: Supreme Court Denies Petition by Irrigation Districts \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

BREWERY:

[Condemnation Proposed: Municipal Water Rights in Washington \(TWR #25, Water Briefs: March 15, 2006\)](#)

[Condemnation Case in Washington Settled - Water Rights Transfer \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Municipal Water Transfer Recommended in Washington: Relinquishment Due to Non-Use \(Expedited Process\) \(TWR #66, Water Briefs: August 15, 2009\)](#)

BRINE WASTEWATER or BRINE SALT DISPOSAL:

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[Fracking Spills in North Dakota: Duke University Study on Widespread Water & Soil Contamination \(TWR #146, Water Briefs: April 15, 2016\)](#)

BRISTOL BAY:

[Office of Inspector General's Report on EPA's Actions & Decision on Alaska's Bristol Bay Watershed \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

“BROKERED RESEARCH”:

Water & Power: Reclamation Science & Technology Development Projects (TWR #141, Water Briefs: Nov. 15, 2015)

BROWNFIELDS:

Citizen's Guide on Institutional Controls Released by EPA (TWR #15, Water Briefs: May 15, 2005)

EPA Announces Brownfields Rule: All Appropriate Inquiries (TWR #21, Water Briefs: Nov. 15, 2005)

Brownfields Program: \$70 Million in Grants (TWR #28, Water Briefs, June 15, 2006)

Brownfields Incentives From Expanded Tax Relief (TWR #37, Water Briefs: March 15, 2007)

Water Quality Grant to Inter-Tribal Environmental Council (TWR #48, Water Briefs: February 15, 2008)

Brownfields Grants Announced by EPA: \$74 Million (TWR #50, Water Briefs: April 15, 2008)

Brownfield Project for Groundwater Cleanup: EPA Agreement (TWR #51, Water Briefs: May 15, 2008)

Petroleum Brownfields: EPA Revitalization Plan (TWR #57, Water Briefs: November 15, 2008)

Stormwater & Sediment Contamination: Minimizing Potential Sediment Recontamination & Associated Liability by Strecker, Quigley & Leisenring (TWR #72: Feb. 15, 2010)

Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, (TWR #122: April 15, 2014)

Brownfields Funding: Austin Receives EPA Grants (TWR #125, Water Briefs: July 15, 2014)

Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi (TWR #138, August 15, 2015)

BUFFER ZONES & BUFFER AREAS:

NOAA Biological Opinion on Pesticides: Salmon Jeopardy (TWR #58, Water Briefs: December 15, 2008)

Produced Water & Regulatory Structure: Colorado Struggles with Coalbed Methane Jurisdiction & Control by Michelle Henrie (TWR #69: Nov. 15, 2009)

Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase (TWR #108: Feb. 15, 2013)

Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)

Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, (TWR #122: April 15, 2014)

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur &

[Devnani \(TWR #123: May 15, 2014\)](#)

[Pesticides & Salmon: Buffer Zones Agreement Reached with EPA \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Pesticide Stream Buffers Finalized: Settlement Agreement with EPA \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

BUILDING CODES:

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

BUILDING MORATORIA:

[Finding "New Water" in California: Seminar Review & Commentary by Jungreis and Van Ligten \(TWR #144: Feb. 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

BUILDING PERMITS:

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

BURDEN OF PROOF:

[Conjunctive Use Decision in Idaho: Futile Calls and Seasonal Variability \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Reclamation Found Liable - Breach of Contract and "Takings" Decision \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

["Reasonably Necessary" Water Supply Case in Colorado: Planning Period, Burden of Proof & "Speculative" Flows \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Speculation Decision by Colorado Supreme Court: "Can and Will" Requirements Clarified \(TWR #113, Water Briefs: July 15, 2013\)](#)

[Hydropower Rights Battle in Nebraska: Forfeiture and Abandonment Asserted by Groundwater Irrigators \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde \(TWR #117, Nov. 15, 2013\)](#)

[Utah Nuclear Plant Water Right Transfers Upheld by Court \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Las Vegas Water Rights Decision - Judge Overturns State Engineer Approvals by David Moon \(TWR #119: Jan. 15, 2014\)](#)

[Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation by Molly Lawrence \(TWR #131: Jan. 15, 2015\)](#)

[Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith \(TWR #133: March 15, 2015\)](#)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Drought Enforcement in California - Dismissals Proposed Due to Failure to Prove Water Not Available (TWR #148, Water Briefs: June 15, 2016)

BUREAU OF INDIAN AFFAIRS:

Cleanup Agreement: Tribal Lands Uranium Contamination (TWR #80, Water Briefs: Oct. 15, 2010)

Indian Water Right Negotiations: Interior's Considerations When Appointing Federal Negotiation Teams by Duane Mecham (TWR #111: May 15, 2013)

High Flow Release: Glen Canyon Dam Innovative Protocol to Mimic Flood Conditions (TWR #129: Water Briefs, Nov. 15, 2014)

Tribal Water Agreements Highlighted: Shoshone-Paiute Settlement Signed (TWR #134, Water Briefs: April 15, 2015)

Natural Resource Investment Center Established by Department of Interior (TWR #143, Water Briefs: Jan. 15, 2016)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

BUREAU OF LAND MANAGEMENT (BLM):

Water Rights & Grazing Activities on BLM Land: Decision Overturns Bush Administration Regulations (TWR #79, Water Briefs: Sept. 15, 2010)

Spotted Owl Recovery: Revised USFWS Plan (TWR #89, Water Briefs: July 15, 2011)

EPA Effluent Guidelines: Proposed Regulation of Shale Gas & Coalbed Methane Effluent by Campbell & Howe (TWR #96: Feb. 15, 2012)

Grand Canyon Mining: Uranium Mining Ban (TWR #96, Water Briefs: Feb. 15, 2012)

Nevada Pipeline & Las Vegas Groundwater System: BLM Right-of-Way Final EIS Released (TWR #103, Water Briefs: Sept. 15, 2012)

Pipeline & the Endangered Species Act - 9th Circuit Decision on ESA & NEPA (Ruby Natural Gas Pipeline) (TWR #105, Water Briefs: Nov. 15, 2012)

Fracking Risks Lawsuit in California: BLM Leases & NEPA Review (TWR #111, Water Briefs: May 15, 2013)

Fracking Rule for Public & Indian Lands Proposed by Interior (TWR #112, Water Briefs: June 15, 2013)

Fracking Studies Announced by BLM for Public Lands in California (TWR #114, Water Briefs: August 15, 2013)

Clean Water Act Enforcement: Oil Spill Fines & Restitution in Wyoming - Criminal Charges Pending (TWR #120, Water Briefs: Feb. 15, 2014)

Hydraulic Fracturing: Interior's Rule Released for Public & American Indian Lands (TWR #134, Water Briefs: April 15, 2015)

BLM Fracking Rules Stayed: Four States Fighting Rules for Public Lands (TWR #137, Water Briefs: July 15, 2015)

Natural Resource Investment Center Established by Department of Interior (TWR #143, Water Briefs: Jan. 15, 2016)

BUREAU OF RECLAMATION and RECLAMATION ACT (See also COLUMBIA RIVER, STORAGE & RECLAMATION):

Bennett Raley, Assistant Secretary of the Interior - Interview by David Moon (TWR #7: Sept. 15, 2004)

Colorado River 2005 Operating Plan Released (TWR #12, Water Briefs: Feb. 15, 2005)

Bureau of Reclamation Decision Document for Columbia River (TWR #12, Water Briefs: Feb. 15, 2005)

Law of the Rio Grande (Report from the 6th Annual Conference) by David Moon, Editor (TWR #13: March 15, 2005)

San Juan River Basin - Navajo Nation Settlement Approved (TWR #15, Water Briefs: May 15, 2005)

Water 2025 Grants - New State Program (TWR #15, Water Briefs: May 15, 2005)

Friant Dam and San Joaquin River Fisheries Restoration: Reasonable Remedies? by Christopher H. Calfee (TWR #17: July 15, 2005)

Water Shortage: Lake Powell and Lake Mead Management (TWR #20, Water Briefs: October 15, 2005)

Water Supply: Declining Aquifer in Washington (TWR #20, Water Briefs: October 15, 2005)

Reclaimed Water: Bureau of Reclamation FONSI in Arizona (TWR #20, Water Briefs: October 15, 2005)

Reclamation Study: Potential Hydroelectric and Water Supply Projects in the Western United States (TWR #22, Water Briefs: Dec. 15, 2005)

Purpose of Use Change in Bureau of Reclamation Project: Irrigation to Domestic Use in Colorado (TWR #26, Water Briefs: April 15, 2006)

Pecos River Lawsuit Filed - ESA Violations Alleged Against Bureau of Reclamation and Corps of Engineers (TWR #26, Water Briefs: April 15, 2006)

Shasta Lake Options Included in Reclamation's Scoping Report (TWR #27, Water Briefs: May 15, 2006)

Navajo Reservoir FEIS Completed - Flow Recommendations and Authorized Purposes (TWR #27, Water Briefs: May 15, 2006)

Growth Limits Based on Water Supply: Reclamation Exploratory Well (TWR #30, Water Briefs: August 15, 2006)

All-American Canal Lining Halted: 9th Circuit Injunction (TWR #31, Water Briefs: Sept. 15, 2006)

Reclamation Contract Awarded for Removal of Savage Rapids Dam (TWR #31, Water Briefs: Sept. 15, 2006)

San Joaquin Settlement: Friant Dam Litigation by Harrison C. Dunning (TWR #33: Nov. 15, 2006)

The Colorado River: New Operational Guidelines for Lake Powell and Lake Mead by Fulp, Yoder & Blatchford (TWR #33: Nov. 15, 2006)

Colorado River Shortages: Reclamation Preferred Alternative (TWR #42, Water Briefs: August 15, 2007)

New Western Water Agenda: Opportunities for Action in an Era of Growth and Climate Change by MacDonnell & Fort (TWR #48: Feb. 15, 2008)

- Tribal Water Sale: Tribes, Reclamation & Washington Partnership (TWR #48, Water Briefs: February 15, 2008)
- Klamath Basin Restoration Agreement: A Convergence of Opportunity by Paul Simmons (TWR #49: March 15, 2008)
- Georgia Water Battle: Corps Authorization Decision (TWR #49, Water Briefs: March 15, 2008)
- Groundwater Availability Modeling: The Texas Experience by Van Kelley, Robert Mace, and Neil Deeds (TWR #54, August 15, 2008)
- Aquifer Recharge and Storage: Ongoing Implementation Concerns by Peter G. Scott (TWR #54, August 15, 2008)
- Battle Creek Salmon & Steelhead Restoration Project Funded by Bureau of Reclamation (TWR #54, Water Briefs: August 15, 2008)
- 2009 Drought Water Bank in California: CDWR Facilitates Exchanges (TWR #56, Water Briefs: October 15, 2008)
- Lake Roosevelt Incremental Storage Release Project - Draft EA Released by Reclamation (TWR #62, Water Briefs: April 15, 2009)
- Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge (TWR #64: June 15, 2009)
- Reclamation Pumping in Central Valley (CA) - NOAA BiOp Finds Jeopardy and BiOp Appealed (TWR #65, Water Briefs: July 15, 2009)
- Tribal and Municipal Water Supply: Navajo-Gallup Project - Reclamation Report & EIS (TWR #66, Water Briefs: August 15, 2009)
- The Republican River Compact: Conflict & Arbitration by Justin D. Lavene and Marcus A. Powers (TWR #68: Oct. 15, 2009)
- Klamath Settlement Agreements: Charting a New Direction by Glen Spain (TWR #70: Dec. 15, 2009)
- Desalination Pilot Run: Yuma Desalting Plant (TWR #71, Water Briefs: Jan. 15, 2010)
- Colorado River Flows: Grand Canyon Experiment by Dept. of Interior (TWR #71, Water Briefs: Jan. 15, 2010)
- New Era of Interbasin Water Transfers by Barbara Cosens (TWR #72: Feb. 15, 2010)
- New Era of Interbasin Water Transfers: Part II by Barbara Cosens (TWR #73: March 15, 2010)
- Area of Origin Reclamation Lawsuit (TWR #73, Water Briefs: March 15, 2010)
- WaterSMART Initiative: Dept. of Interior Strategy (TWR #73, Water Briefs: March 15, 2010)
- Aquifer Storage & Recovery; New Federal Initiatives - EPA to Develop Guidance by Dr. Cat Shrier (TWR #74, April 15, 2010)
- Klamath "Takings" - Ownership of Water Rights & the Bureau of Reclamation by David Moon (TWR #74, April 15, 2010)
- Groundwater Withdrawal Limits in Washington: Emergency Rule Extended (TWR #74, Water Briefs: April 15, 2010)
- Klamath 2010 Operations Plan Released by Reclamation (TWR #75, Water Briefs: May 15, 2010)
- Water Efficiency - Reclamation "WaterSMART" Funding Opportunities (TWR #75, Water Briefs: May 15, 2010)
- Yuma Desalting Plant Pilot Program Started/ DROP 2 Storage Reservoir Celebration (TWR #75, Water Briefs: May 15, 2010)

[Restoring the San Joaquin River: Restoration Program Update & Status Report by Alicia Gasdick & Margaret Gidding \(TWR #76: June 15, 2010\)](#)

[Tribal Water Rights: Current Issues & Relevant Background by Robert T. Anderson \(TWR #77: July 15, 2010\)](#)

[Northwest Water Marketing: Re-Allocating Water in the Pacific Northwest by Richard A. Slaughter \(TWR #77: July 15, 2010\)](#)

[Water Rights Retired in Nevada: Federal/State/Tribal Program \(Newlands Project\) \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Recaptured Water: San Joaquin River Restoration \(Interim Flow Releases\) \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Tribal Instream Rights: Important Settlement Reached on Klamath Basin Challenges by Douglas MacDougal \(TWR #78: Aug. 15, 2010\)](#)

[Oklahoma Water Storage: Tribal Concerns Raised - Municipalities Purchase Reclamation Project by David Moon, Editor \(TWR #79, Sept. 15, 2010\)](#)

[Oklahoma Storage Transfer Controversy: Tribal Nations & Local Interests Oppose the Transfer Agreement by David Moon, Editor \(TWR #80: Oct. 15, 2010\)](#)

[Hydropower Potential: Bureau of Reclamation Facilities Report \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma \(Sardis Reservoir\) by Greetham \(TWR #82: Dec. 15, 2010\)](#)

[Bureau of Reclamation Update: Interview with Reclamation Commissioner Mike Connor by David Moon \(TWR #82: Dec. 15, 2010\)](#)

[Water Recycling/Reuse: Title XVI Funding Criteria Published by Reclamation \(TWR #82, Water Briefs: Dec. 15, 2010\)](#)

[Key Tribal Water Developments in the Pacific Northwest by Duane Mecham \(TWR #83: Jan. 15, 2011\)](#)

[Tribal Water Lease: Central Arizona Project Water to Municipality \(Reclamation FONSI Issued\) \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Climate Change Needs: Research for Long-Term Planning - Report Issued by Corps & Reclamation \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Hydropower/Electricity: DOI Assessment Report at Reclamation Facilities \(TWR #86, Water Briefs: April 15, 2011\)](#)

[Yuma Desalting Plant: Reclamation Completes Pilot Run \(TWR #86, Water Briefs: April 15, 2011\)](#)

[Lake Lanier Ruling in the Southeast: Reclamation Reservoir & "Water Supply" Purpose 11th Circuit Decision \(TWR #89, Water Briefs: July 15, 2011\)](#)

[*Colorado River Basin Supply & Demand Study* by Carly Jerla, Terry Fulp, and Pam Adams \(TWR #90: August 15, 2010\)](#)

[Indian Water Settlements: Outlook for the 112th Congress and Beyond by Ryan A. Smith \(TWR #90: August 15, 2010\)](#)

[Tribal Fish Accord Between Federal Agencies & Kalispel Tribe \(Columbia Basin\) \(TWR #90, Water Briefs: August 15, 2011\)](#)

[BiOp Rejected Again: Columbia River Plan Found Arbitrary & Capricious \(Specific Mitigation Plan Not Identified\) \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Water Treatment Innovations: Reclamation WaterSMART Awards Grants to California & Texas Study Projects \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Tribal Fish Accord Between Federal Agencies & Kalispel Tribe \(Columbia Basin\) \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Basin of Origin Claim Denied by Federal Judge in California: Reclamation Prevails Over Tehama-Colusa Canal Authority \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Lake Roosevelt Drawdown Upheld: Reclamation Project Approved by Ninth Circuit \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Colorado Basin Water: Demand & Supply Assessment by Reclamation - Phase 4 Initiated \(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[Negotiating Indian Water Rights Claims: 12th Biennial Symposium on the Settlement of Indian Reserved Water Rights by Killoren \(TWR #95: Jan. 15, 2012\)](#)

[Colorado River Basin Irrigation: The Future of Irrigation Organizations in the Colorado River Basin by Dr. Ron Griffin and Mary Kelly \(TWR #95: Jan. 15, 2012\)](#)

[Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs \(TWR #100: June 15, 2012\)](#)

[The Columbia River, Basin, and Treaty: Upcoming Treaty Date is Focussing Basin Water Management Issues by Stan Miller \(TWR #101: July 15, 2012\)](#)

[Northwest Water Banking: Meeting Instream and Out of Stream Water Needs in the Pacific Northwest by Cronin & Fowler \(TWR #102: August 15, 2012\)](#)

[Kalispel Tribe Agreement With Federal Agencies: Habitat & Fish Stocks in Columbia Basin \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Stored Water Release Planned to Supplement Klamath River Flows to Avoid Fish Kills: Reclamation Findings \(TWR #102, Water Briefs: August 15, 2012\)](#)

[San Joaquin River Restoration Program: Reclamation & CDWR Release Final PEIS/R \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Purchases of Reservoir Storage by Various Buyers in Colorado \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Crow Tribe Settlement Implementation - Reclamation Contracts on Irrigation and Municipal, Industrial & Rural System \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[WaterSMART Update \(TWR #105: Nov. 15, 2012\)](#)

[Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity \(TWR #106: Dec. 15, 2012\)](#)

[Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson \(TWR #106: Dec. 15, 2012\)](#)

[Water Transfers in the West by Carlee Brown \(TWR #107: January 15, 2013\)](#)

[Texas v. New Mexico - Texas Sues Over Water Deliveries Under the Rio Grande Compact \(U.S. Supreme Court\) \(TWR #107, Water Briefs: January 15, 2013\)](#)

[The Colorado River Basin Water Supply and Demand Study Released by Reclamation \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Shasta Lake Water Resources Investigation - Comment Period Extended \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Conjunctive Management of Surface & Ground Water in Idaho \(Public-Private Partnerships\) by Tuthill, Rassier & Anderson \(TWR #108: Feb. 15,](#)

2013)

Yakima Water Plan: The Other Side of the Story by Evans, Forsgaard, Maykut & Packard (TWR #108: Feb. 15, 2013)

Author's Reply (Yakima Water Plan) by Steve Malloch and Michael Garrity (TWR #108: Feb. 15, 2013)

North Platte Regulation to Protect Storage Rights in Wyoming: Priority Administration in Effect (TWR #109, Water Briefs: March 15, 2013)

Agricultural Water Conservation Efficiency Grants - Bay Delta Restoration Program (TWR #109, Water Briefs: March 15, 2013)

Hydraulic Fracturing & Water: Considering the Water Resources Impacts of Hydraulic Fracturing by Adam Orford (TWR #110: April 15, 2013)

"Takings" Claim Denied in *Casitas* Case: Beneficial Use & Injury Alleged (TWR #110, Water Briefs: April 15, 2013)

Republican River Compact Call in Nebraska: Bureau of Reclamation Responds to Nebraska DNR Order (TWR #110, Water Briefs: April 15, 2013)

Indian Water Right Negotiations: Interior's Considerations When Appointing Federal Negotiation Teams by Duane Mecham (TWR #111: May 15, 2013)

Interior Released FEIS on Klamath River Dam Removal & New Management Plan Dispute (TWR #111, Water Briefs: May 15, 2013)

Southern Nevada Water Authority Article: Low Winter Flows in the Colorado River & Projected Shortages (TWR #111, Water Briefs: May 15, 2013)

Cooperative Watershed Management Program (WaterSMART): Reclamation Funding - Applications Sought (TWR #111, Water Briefs: May 15, 2013)

Reclamation Announces Actions & Strategies to Improve Water Supplies for California's Central Valley Project (TWR #111, Water Briefs: May 15, 2013)

Republican River Compact Compliance: Storage Releases by Nebraska (States Fail to Reach Future Access Agreement) (TWR #111, Water Briefs: May 15, 2013)

The "Fill Mead First" Proposal: Potential Legal Issues Under the Law of the River by Lawrence J. MacDonnell (TWR #112: June 15, 2013)

Water Banking Criteria Draft Released by Reclamation for Central Valley Project (TWR #112, Water Briefs: June 15, 2013)

Klamath BiOp - Operations of Klamath Project Through 2023 Announced by Reclamation (NMFS & USFWS BiOp) (TWR #112, Water Briefs: June 15, 2013)

The Southern Delivery System - Getting to the Finish Line: Planning, Permitting & Constructing by John A. Fredell (TWR #113: July 15, 2013)

Groundwater Banking Project: Reclamation Restoration Funds (San Joaquin River Restoration Settlement Act)(TWR #113, Water Briefs: July 15, 2013)

Basin of Origin Claims of Tehama-Colusa Canal Authority Rejected by 9th Circuit - Reclamation Cutbacks Upheld (TWR #114, Water Briefs: August 15, 2013)

Reclamation Manual Policies and Directives and Standards Finalized by Bureau (TWR #114, Water Briefs: August 15, 2013)

Acquavella Update: Washington's 36-Year Old Water Rights Adjudication Nears An End by Jeff Kray (TWR #115: Sept. 15, 2013)

[Colorado River Management & Drought: Lake Powell Releases to be Lowered Significantly by David Moon, Editor \(TWR #115: Sept. 15, 2013\)](#)

[Arkansas Valley Conduit in Colorado: Regional Water Pipeline Project - Condensed/Edited from US Bureau of Reclamation Documents \(TWR #115: Sept. 15, 2013\)](#)

[Tribal Water Study: Reclamation & the Colorado River Basin Tribes Partnership \(Ten Tribes Partnership\) \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Groundwater/Surface Water Exchange Agreement Signed: Reclamation & Irrigation District \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Reclamation Developing Directive & Standard for Non-Agricultural Discharges Into Facilities \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Klamath Basin Coordinating Council Releases Third Annual Report \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Klamath Settlement "Agreement in Principle" Reached Between Klamath Tribes and "Off-Project" Irrigators \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Rio Grande Compact - Lawsuit Between Texas & New Mexico: U.S. Solicitor General's Brief Filed \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Bay Delta Conservation Plan Released for Public Review - California & Federal Partners \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[GAO Report on Fed Agency Actions: Climate Change on Water Infrastructure \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. \(TWR #121: March 15, 2014\)](#)

[Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge \(TWR #123: May 15, 2014\)](#)

[Ninth Circuit: Reclamation Renewal of Water Supply Contracts from Bay-Delta Ecosystem Violated ESA \(TWR #123, Water Briefs: May 15, 2014\)](#)

[WaterSMART Funding by Reclamation for Reclaim & Reuse Projects in California \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Conservation Plan: Colorado River System Conservation Program Agreement \(Reclamation & Municipal Water\)\(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer \(TWR #127: Sept. 15, 2014\)](#)

[Federal Breach of Contract: Reclamation Loses Appeal on Breach of Contract Claim by David Moon \(TWR #127: Sept. 15, 2014\)](#)

[Reclamation Increases Flow Releases - Lower Klamath River Supplement from Trinity Reservoir \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

[Lake Powell Releases: Water to Lake Mead Increased for Water Year 2015 \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

[Flow Augmentation Releases \(Trinity Reservoir\): Reclamation Releases for Salmon Protection Lower Klamath River \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Shopping for Water: How the Market Can Mitigate Water Shortages in the American West - The Hamilton Project Paper \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[High Flow Release: Glen Canyon Dam Innovative Protocol to Mimic Flood Conditions \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Aqueduct Transfer from Reclamation: Provo River Aqueduct to Provo River Water Users Ass'n \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey \(TWR #130: Dec. 15, 2014\)](#)

[Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond \(TWR #130: Dec. 15, 2014\)](#)

[Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin \(TWR #130: Dec. 15, 2014\)](#)

[Reclamation Contracts Challenge & the ESA: Supreme Court Denies Petition by Irrigation Districts \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[West Coast ESA Challenges: The View from NOAA Fisheries \(Regional Administrator William Steele's Presentation\) by David Light \(TWR #133: March 15, 2015\)](#)

[Water Resource Issues in the 114th Congress-Congressional Research Service Report \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

[Authors' Responses: Yakima River Basin Integrated Plan \(TWR #135: May 15, 2015\)](#)

[Water Transfers Program by Reclamation Proposed for Voluntary Water Transfers in California \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Reverse Auction for Leasing Instream Flow in Washington \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Colorado River *Moving Forward Phase 1 Report* Released by Reclamation & Stakeholders \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[River Basin Studies Announced by Reclamation: Imbalance of Supply, Needs & Demands \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

[Desalination and Water Purification Research Program - Funding from Reclamation Announced \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Drought Resiliency - Projects Selected by Reclamation \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Water Released for Salmon by Reclamation - Injunction by Irrigation Districts Denied \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Reservoir Release in Colorado - Lease Agreement for Instream Flow to Benefit Endangered Fish \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Santa Fe Basin in New Mexico: Reclamation Study Projects Water Shortfall \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

[Water & Power: Reclamation Science & Technology Development Projects \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[War and Peace Over the Niobrara River by Don Blankenau \(TWR #142: Dec. 15, 2015\)](#)

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Proposed Reallocation of Non-Indian Agricultural Water in the Central Arizona Project \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Reservoir Evaporation Losses in the West Studied \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Groundwater Banking in California: San Joaquin Restoration Program \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Natural Resource Investment Center Established by Department of Interior \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[Groundwater Recharge Banking Program: San Joaquin River Restoration Program Releases Draft EA/IS \(TWR #146, Water Briefs: April 15, 2016\)](#)

[SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool \(TWR #146, Water Briefs: April 15, 2016\)](#)

BURN SEVERITY:

[FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding \(TWR #140: Oct. 15, 2015\)](#)

"BUY-AND-DRY" TRANSFERS:

[Water Transfers in the West by Carlee Brown \(TWR #107: January 15, 2013\)](#)

[Colorado's Water Plan by Jayla Ryan Poppleton \(TWR #123: May 15, 2014\)](#)

[Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey \(TWR #130: Dec. 15, 2014\)](#)

[Colorado Water Plan Draft Released \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones \(TWR #138, August 15, 2015\)](#)

[Water Plan Released in Colorado: Water Supply Strategies \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein \(TWR #146: April 15, 2016\)](#)

"BYPASS CALL":

[South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom \(TWR #122: April 15, 2014\)](#)

BYPASS FLOW (see also EASEMENTS):

[Bypass Flow Upheld/Fishery \(*TU, et al. v. US Dept. of Agriculture, et al.*\) \(TWR #4, Water Briefs: June 15, 2004\)](#)

[Bypass Flows - USFS Policy Change in Colorado \(TWR #13, Water Briefs: March 15, 2005\)](#)

CAFOs (Confined Animal Feeding Operations):

[EPA's CAFO Rules: Second Circuit Holding \(TWR #13, Water Briefs: March 15, 2005\)](#)

[CAFO Ruling in 2nd Circuit \(TWR #15, Water Briefs: May 15, 2005\)](#)

[Nebraska CAFOs: Clean Water Act Penalty \(TWR #20, Water Briefs: October 15, 2005\)](#)

[CAFO Permits Deadline Extended \(TWR #25, Water Briefs: March 15, 2006\)](#)

[Federal CAFO Rules: Proposed NPDES Revisions by EPA \(TWR #29, Water Briefs: July 15, 2006\)](#)

[CAFO Compliance Extension for EPA Proposal \(TWR #40, Water Briefs: June 15, 2007\)](#)

[CAFO Compliance: EPA Deadlines Extended \(TWR #42, Water Briefs: August 15, 2007\)](#)

[CAFO Options Proposed by EPA \(TWR #49, Water Briefs: March 15, 2008\)](#)

[CAFO Violations Lead to EPA Enforcement Actions in Texas \(TWR #55, Water Briefs: September 15, 2008\)](#)

[CAFO Cease and Desist in Texas: Clean Water Act Violations \(TWR #56, Water Briefs: October 15, 2008\)](#)

[CAFO Requirements: EPA Rule Finalized \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Cease & Desist Order for CWA Violations in Oklahoma \(Compost Facility/Animal Wastes\) \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Clean Water Act Enforcement: EPA Issues New Action Plan by Tyson Kade and John Iani \(TWR #69: Nov. 15, 2009\)](#)

[CAFO Violations: EPA Enforcement Actions in the Midwest \(TWR #76, Water Briefs: June 15, 2010\)](#)

[CAFO Regulations: EPA Releases Implementations Guidance Document \(TWR #77, Water Briefs: July 15, 2010\)](#)

[CAFO Discharges in Idaho \(EPA Order - Simplot Cattle Feeding Company \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Dairy Manure Runoff Focus: CAFO\(s\) in Santa Ana Basin Face EPA Orders \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[CAFO\(s\) Report Proposal: Settlement Results in Operational Information Reports \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[Exempt Well Decision in Washington: Stockwater Exemption Unlimited \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[CAFO Permit Technical Manual Released by EPA \(TWR #97, Water Briefs: March 15, 2012\)](#)

[CAFOs Permit Manual & Nutrient Management \(TWR #100, Water Briefs: June 15, 2012\)](#)

[CAFO Reporting Rules: EPA Withdrawal and Revisions \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell \(TWR #126: August 15, 2014\)](#)

[EPA Enforcement: Seven National Enforcement Initiatives Announced for 2017-2019 \(TWR #145, Water Briefs: March 15, 2016\)](#)

[CALIFORNIA ENVIRONMENTAL QUALITY ACT \(CEQA\) and CEQA EXEMPTIONS:](#)

[“Underground Regulation” — Agency Rulemaking & the California Administrative Procedures Act by Damien Schiff \(TWR #133: March 15, 2015\)](#)

[California Groundwater Regulation - Into the Trenches: An Early Assessment of California’s New Groundwater Legislation by David Aladjem \(TWR #135: May 15, 2015\)](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[Measuring & Reporting in California: Diversion Regulations Adopted \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[CalFED:](#)

[CalFED Bill Signed: Funding and Restoration/Storage Projects \(TWR #9, Water Briefs: Nov. 15, 2004\)](#)

[CALFED Grants for Urban & Agriculture Efficiency \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt \(TWR #72: Feb. 15, 2010\)](#)

[CALIFORNIA AQUEDUCT:](#)

[San Joaquin Sinking: NASA Subsidence Study \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[CALIFORNIA WATER LAW and WATER QUALITY:](#)

[Groundwater Rights in Blended Basins: Storage, Ownership, Overdraft & Takings by Kevin O'Brien \(TWR #3: May 15, 2004\)](#)

[Statewide Aquatic Herbicide Permit - California \(*Headwaters, Inc. v. Talent Irrigation District* response\) \(TWR #4, Water Briefs: June 15, 2004\)](#)

[Public Drinking Water Contamination by Michael Axline and Duane Miller \(TWR #5: July 15, 2004\)](#)

[Water Purchases - California DWR Dry Year Program \(TWR #7, Water Briefs: Sept. 15, 2004\)](#)

[California DWR Water Use Efficiency \(TWR #10, Water Briefs: Dec. 15, 2004\)](#)

[Friant Dam and San Joaquin River Fisheries Restoration: Reasonable Remedies? by Christopher H. Calfee \(TWR #17: July 15, 2005\)](#)

[Water Quality and Logging: California Water Agency Authority Upheld \(TWR #24, Water Briefs: February 15, 2006\)](#)

[Final California Water Plan Update 2005 \(TWR #24, Water Briefs: February 15, 2006\)](#)

[Mixing Zones - An Overview of Some Western States by Gregg Bryden \(TWR #28, June 15, 2006\)](#)

[Bay Area Water Rights: Water Quality & Minimum Flows in California \(TWR #28, Water Briefs, June 15, 2006\)](#)

[Desalinization Program Recommendations from California DWR \(TWR #29, Water Briefs: July 15, 2006\)](#)

[Stormwater Panel: Feasibility of Numeric Effluent Limits Applicable to Stormwater Discharges \(TWR #30, Water Briefs: August 15, 2006\)](#)

[California Drinking Water Standard: Perchlorate \(TWR #31, Water Briefs: Sept. 15, 2006\)](#)

[San Joaquin Settlement: Friant Dam Litigation by Harrison C. Dunning \(TWR #33: Nov. 15, 2006\)](#)

[Endangered Species Act "Take" Alleged: Lawsuit Filed Against California DWR \(TWR #33, Water Briefs: Nov. 15, 2006\)](#)

[Water Privatization: Court Voids Stockton Contract \(TWR #34, Water Briefs: December 15, 2006\)](#)

[Untapping Tribal Waters: Tribal Water Marketing Expanding by Clay J. Landry and Christina Quinn \(TWR #35: January 15, 2007\)](#)

[Water Use Efficiency - Reclamation Report for California \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Water Rights Fees Overturned in California Court Decision \(TWR #36, Water Briefs: February 15, 2007\)](#)

[Water Conservation Initiatives - Western States Take Action by Craig Bell, Western States Water Council \(TWR #38: April 15, 2007\)](#)

[California Water Rights Fees: Regulations Overturned by Kristin Castaños, Somach, Simmons & Dunn \(TWR #38: April 15, 2007\)](#)

[Colorado River Agreement & Southern California Water by William Hasencamp \(TWR #39: May 15, 2007\)](#)

[Oil Spill Settlement in California \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Instream Flow Reduction Approved for Drought Response \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Groundwater Decision in California: Oil Wastewater Pollution \(TWR #42, Water Briefs: August 15, 2007\)](#)

[Nutrient Numeric Endpoints: Not Quite Ready for Prime Time? by Jeremy N. Jungreis and Scott Thomas \(TWR #42: August 15, 2007\)](#)

[California 303\(d\) List: EPA Final Decision \(TWR #42, Water Briefs: August 15, 2007\)](#)

[Chinatown Revisited: Owens River Instream Flow Agreement \(TWR #42, Water Briefs: August 15, 2007\)](#)

[Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering \(TWR #43, Sept. 15, 2007\)](#)

[Response to "Nutrient Numeric Endpoints: Not Quite Ready for Prime Time?" \(Jungreis & Thomas, TWR #42\) by Dr. Jonathan Butcher and Cynthia Gorham-Test \(TWR #43, Sept. 15, 2007\)](#)

[Toxic Discharges from Dams: Clean Water Act & Nuisance Lawsuits \(Klamath River\) \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[New Perchlorate Rule in California: Maximum Contaminant Level \(TWR #44, Water Briefs: Oct. 15, 2007\)](#)

[Stormwater and Wastewater Fines Levied on Boeing \(California\) \(TWR #44, Water Briefs: Oct. 15, 2007\)](#)

[Superfund Settlement: Groundwater Contamination in California \(TWR #45, Water Briefs: Nov. 15, 2007\)](#)

[California Water Market: Metropolitan Water District Authorizes Water Rights Purchases \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Delta Smelt Order in California and Water Supply Impacts \(TWR #47, Water Briefs: January 15, 2008\)](#)

[Wetlands Restoration: Irrigation District Purchases Land for Delta Smelt and Other Species Recovery \(TWR #47, Water Briefs: January 15, 2008\)](#)

[California Water Plan Update 2009 Comments Sought \(TWR #48, Water Briefs: February 15, 2008\)](#)

[California Water Plan Workshops Scheduled \(TWR #49, Water Briefs: March 15, 2008\)](#)

[California State Water Project Water Deliveries: Snowpack Normal But Deliveries Bottlenecked by Delta Smelt Order \(TWR #50, Water Briefs: April 15, 2008\)](#)

[California SWRCB Seeks Comments on Draft Baseline Enforcement Report \(TWR #50, Water Briefs: April 15, 2008\)](#)

[CALFED Grants for Urban & Agriculture Efficiency \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Delta Smelt Endangered Species Act Ruling \(TWR #51, Water Briefs: May 15, 2008\)](#)

[The Peripheral Canal: San Francisco Bay - Delta Estuary Proposals by Dante Nomellini \(TWR #53: July 15, 2008\)](#)

[Drought Actions in California: Water Transfers and Exchanges \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Water Quality Ruling on Authority of California & FERC - Klamath Dams \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Battle Creek Salmon & Steelhead Restoration Project Funded by Bureau of Reclamation \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Peripheral Canal Reports Released: Delta Vision & PPIC \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Storm Water Regulation Update: Rough Waters In California by Wendy L. Manley \(TWR #55: September 15, 2008\)](#)

[2009 Drought Water Bank in California: CDWR Facilitates Exchanges \(TWR #56, Water Briefs: October 15, 2008\)](#)

[California Environmental Enforcement: NRDC Report on Oversight \(TWR #57, Water Briefs: November 15, 2008\)](#)

Water Legislation Options Identified in California: California Legislative Analyst's Office (LAO) Report (TWR #57, Water Briefs: November 15, 2008)

Climate Change: California Department of Water Resources White Paper (TWR #57, Water Briefs: November 15, 2008)

Groundwater Replenishment & Water Reuse: Orange County California's Water Purification and Reuse Project by Michael R. Markus (TWR #59: Jan. 15, 2009)

California Water Supply: Challenges and Solutions by Dr. Cat Shrier (TWR #59: Jan. 15, 2009)

Efficient Water Management Survey Released by the Agricultural Water Management Council of California (TWR #59, Water Briefs: Jan. 15, 2009)

Response to Drought in California: Federal Drought Action Team (TWR #61, Water Briefs: March 15, 2009)

Water Quality Data: Monitoring & Assessment Recommendations in California (TWR #61, Water Briefs: March 15, 2009)

Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro (TWR #63: May 15, 2009)

Sacramento River Fall Chinook Population: Study on Potential Causes of Decline (TWR #63, Water Briefs: May 15, 2009)

Urban Runoff Reuse: Climate Change Measure Proposed in California (Hearing June 17) (TWR #64, Water Briefs: June 15, 2009)

Reclamation Pumping in Central Valley (CA) - NOAA BiOp Finds Jeopardy and BiOp Appealed(TWR #65, Water Briefs: July 15, 2009)

Pesticide Restriction in California: EPA Settlement Proposal in SF Bay Area (TWR #65, Water Briefs: July 15, 2009)

Integrated Water-Energy Planning: Major Nationwide Dialogue Underway by Shrier, Hightower & Johnson (TWR #66: August 15, 2009)

Aquifer Study in California: Groundwater Availability in Central Valley (TWR #66, Water Briefs: August 15, 2009)

Stormwater Permits in California: Construction General Permit Adopted (TWR #67, Water Briefs: Sept. 15, 2009)

Recycled Wastewater Disposal: Santa Margarita River Case in California (TWR #67, Water Briefs: Sept. 15, 2009)

SUPERFUND Settlement: \$21 Million Contaminated Groundwater Cleanup System (EPA & Northrop Grumman) (TWR #67, Water Briefs: Sept. 15, 2009)

Graywater Code in California: New Standards Adopted (TWR #67, Water Briefs: Sept. 15, 2009)

California Storm Water Regulation: State Intensifies Regulation of Runoff from Construction Sites by Wendy L. Manley (TWR #68: Oct. 15, 2009)

Interim Flows - Friant Dam Releases (TWR #68, Water Briefs: Oct. 15, 2009)

Reclamation Found Liable - Breach of Contract and "Takings" Decision (TWR #68, Water Briefs: Oct. 15, 2009)

Klamath Dam Removal: Klamath Hydroelectric Settlement Agreement Announced (TWR #68, Water Briefs: Oct. 15, 2009)

Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith (TWR #69: Nov. 15, 2009)

Critical Habitat Designated by NOAA for Green Sturgeon in California & Oregon (TWR #69, Water Briefs: Nov. 15, 2009)

[Oregon Governor Calls for Mining Withdrawal and Federal Lands Protection \(Suction Dredging\) \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Water Right Leases in California: Scott River Water Trust \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Klamath Settlement Agreements: Charting a New Direction by Glen Spain \(TWR #70: Dec. 15, 2009\)](#)

[Klamath Settlement Agreements: Part II by Glen Spain \(TWR #71: Jan. 15, 2010\)](#)

[Stormwater Discharge: EPA "Ports Initiative" - San Joaquin River Agreement \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[California Water Myths Dispelled: Study Released \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[California Bay-Delta "Interim Federal Action Plan" Released \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Construction Stormwater BMPs: California Handbook Developed by California Stormwater Quality Association \(CASQA\) \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt \(TWR #72: Feb. 15, 2010\)](#)

[Colorado River: Quantification Settlement Agreement Invalidated \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[NPDES Enforcement Annual Report Released in California \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Area of Origin Reclamation Lawsuit \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Electronic Water Rights Information Management System \(Database\) in California \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Conservation Report on Agricultural Innovations in California \(California Farm Water Success Stories: Report & Video\) \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Klamath Settlement: Formal Agreements Signed \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Instream Flow Program Annual Report for 2009: California Fish & Game Department \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Groundwater System in California: Legislative Analyst's Office Report Released \(TWR #74, Water Briefs: April 15, 2010\)](#)

[Water Conservation in California: State Water Resources Plan Released \(TWR #74, Water Briefs: April 15, 2010\)](#)

[Klamath River TMDL: California Action Plan Approved \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Klamath 2010 Operations Plan Released by Reclamation \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Yuma Desalting Plant Pilot Program Started/ DROP 2 Storage Reservoir Celebration \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Restoring the San Joaquin River: Restoration Program Update & Status Report by Alicia Gasdick & Margaret Gidding \(TWR #76: June 15, 2010\)](#)

[Delta Decisions: Salmon & Smelt Court Rulings in California \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Delta Smelt Decline: New Study Blames Nutrient Pollution \(TWR #76, Water Briefs: June 15, 2010\)](#)

[California Water Regulation: Farm Bureau Challenges State Fish & Game Department Authority by Joseph M. Carpenter \(TWR #77: July 15, 2010\)](#)

[Instream Flow Policy in California: Water Quality Control Policy by SWRCB \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Recaptured Water: San Joaquin River Restoration \(Interim Flow Releases\) \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Enforcement Report Released by California State Water Resources Board \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[California Drought Contingency Plan \(Draft\) - Climate Change Impacts \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[San Joaquin Fish Restoration Regulations Streamlined \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Delta Flow Criteria: Draft Advisory Report Released \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Water Reuse California Legislation Passed: Recycled Water to Supplement Supplies \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[California Natural Resources Agency Releases Second State of the State's Wetlands Report \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Fish Restoration Program in the Sacramento-San Joaquin Delta & Suisun Marsh: Departments Agreement Signed \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Stormwater General Construction Permits in California: Change to "Legally Responsible Person" \(TWR #82, Water Briefs: Dec. 15, 2010\)](#)

[Klamath TMDLs: California Plan Approved - Oregon TMDLs Upcoming \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Surface Storage Investigations Progress Report Released by California Division of Water Resources \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Water Right Fees - Supreme Court Decision in California \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

["The Reasonable Use Doctrine and Agricultural Water Use Efficiency" - California's Delta Watermaster Report \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Tissue Monitoring: California Data Exchange Network \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Sustainable Water Use: Invisioning a Sustainable Water Future for the American West by Barton "Buzz" Thompson \(TWR #87: May 15, 2011\)](#)

[Tribal Water Rights and the Colorado River Reallocation Through Forbearance Agreements by Mason D. Morisset \(TWR #87: May 15, 2011\)](#)

[Water Sharing Strategies for Ag/Urban/Enviro in the West: Western States Council Report with CSU's Water Institute \(TWR #87, Water Briefs: May 15, 2011\)](#)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[Multi-Sector Water Sharing \(Agricultural-Urban-Environmental\): Innovative Strategies for the Colorado River Basin & the West by Smith \(TWR #88: June 15, 2011\)](#)

["The Reasonable Use Doctrine & Agricultural Water Use Efficiency" - California Report \(TWR #88, Water Briefs: June 15, 2011\)](#)

[Enforcement Report \(2010\) for State Water Resources Control Board of California Released \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Colorado River Basin Supply & Demand Study by Carly Jerla, Terry Fulp, and Pam Adams \(TWR #90: August 15, 2010\)](#)

[Water Treatment Innovations: Reclamation WaterSMART Awards Grants to California & Texas Study Projects \(TWR #90, Water Briefs: August 15,](#)

2011)

Basin of Origin Claim Denied by Federal Judge in California: Reclamation Prevails Over Tehama-Colusa Canal Authority (TWR #91, Water Briefs: Sept. 15, 2011)

Suction Dredge Mining Moratorium in California Extended to 2016 (TWR #91, Water Briefs: Sept. 15, 2011)

Bay Delta Conservation Plan: Schedule for Effects Analysis & EIS/EIR (June 2012) (TWR #91, Water Briefs: Sept. 15, 2011)

National Research Council's Report Released: "A Review of the Use of Science and Adaptive Management in California's Draft Bay Delta Conservation Plan" (TWR #91, Water Briefs: Sept. 15, 2011)

California Water District's Conservation Rebate Programs (TWR #92, Water Briefs: Oct. 15, 2011)

Delta Smelt Rulings in California's Bay-Delta: BiOp Remanded and Injunction Issued Blocking USFWS Proposal (TWR #92, Water Briefs: Oct. 15, 2011)

Dairy Manure Runoff Focus: CAFO(s) in Santa Ana Basin Face EPA Orders (TWR #92, Water Briefs: Oct. 15, 2011)

Polluted Waters List: 303(d) List Submitted by California (TWR #93, Water Briefs: Nov. 15, 2011)

Groundwater Management Activities Survey in California (TWR #93, Water Briefs: Nov. 15, 2011)

Climate Change & San Francisco Bay Watershed: Watershed Impacts for the Coming Century-Edited/Condensed from: James Cloern (TWR #94: Dec. 15, 2011)

Tribal Water Rights Settlement Funding Announced-Soboba of Luiseño Indians Settlement Act (\$21 Million in California)(TWR #94, Water Briefs: Dec. 15, 2011)

Colorado River Basin Irrigation: The Future of Irrigation Organizations in the Colorado River Basin by Dr. Ron Griffin and Mary Kelly (TWR #95: Jan. 15, 2012)

CAL/EPA 2010 Enforcement Report Released in California (TWR #95, Water Briefs: Jan. 15, 2012)

"Taking" Decision in US Court of Federal Claims (Beneficial Use & Damages) (TWR #95, Water Briefs: Jan. 15, 2012)

Industrial Stormwater Permitting: Status and Trends in Western States by Gregg Bryden (TWR #98: April 15, 2012)

Secret Society - Shadow Government Alleged in California (TWR #98, Water Briefs: April 15, 2012)

Western States' Water Planning: The Best Laid Plans - Water Planning in Uncertain Times by Janet Neuman (TWR #99: May 15, 2012)

Corps Levee Policy on Vegetation Removal: CDFG Files Suit Against Removal Requirement (TWR #100, Water Briefs: June 15, 2012)

Suction Dredge Mining Halted in California - Governor Continues Moratorium (TWR #101, Water Briefs: July 15, 2012)

Groundwater Cleanup at Superfund Site in Los Angeles: \$6 Million Settlement (Drinking Water Protection) (TWR #101, Water Briefs: July 15, 2012)

Agricultural Water Measurement Regulation: Final Regulations Adopted in California (TWR #102, Water Briefs: August 15, 2012)

Groundwater Cleanup: Commingled Treatment System at California Superfund Site (TWR #102, Water Briefs: August 15, 2012)

Inland Empire Groundwater: USGS Groundwater Quality Study - Nitrates & Perchlorates (TWR #102, Water Briefs: August 15, 2012)

Stored Water Release Planned to Supplement Klamath River Flows to Avoid Fish Kills: Reclamation Findings (TWR #102, Water Briefs: August 15, 2012)

San Joaquin River Restoration Program: Reclamation & CDWR Release Final PEIS/R (TWR #102, Water Briefs: August 15, 2012)

Tunnels Planned for Bay Delta Conservation Plan - Supply/Restoration of Sacramento-San Joaquin Delta Ecosystem (TWR #102, Water Briefs: August 15, 2012)

Groundwater Reserves Proposal: Study Released on Water Supply & Climate Change for California (TWR #103, Water Briefs: Sept. 15, 2012)

Stockpond/Reservoir Permits: Enforcement Effort by the California Water Resources Board (TWR #103, Water Briefs: Sept. 15, 2012)

Bay Delta Action Plan Released by EPA (TWR #103, Water Briefs: Sept. 15, 2012)

Improving Water Right Enforcement Authority, California Bay-Delta Watermaster Report (TWR #104, Water Briefs: Oct. 15, 2012)

Desalination Plant - Proposed Purchase Agreement Signed (San Diego County Water Authority & Poseidon Resources (TWR #104, Water Briefs: Oct. 15, 2012)

"Right to Water" Legislation Signed in California by Governor Brown (TWR #104, Water Briefs: Oct. 15, 2012)

Instream Water Rights in California: Tribes Criticize USFS' Endangered Species Act Inaction (TWR #105, Water Briefs: Nov. 15, 2012)

Fracking Lawsuit in California - Enforcement Issue Regarding Existing Law (TWR #105, Water Briefs: Nov. 15, 2012)

Chinatown Revisited: Water Waste Suit Filed by Los Angeles Department of Water and Power (TWR #105, Water Briefs: Nov. 15, 2012)

California's Water-Energy Nexus: Pathways to Implementation - White Paper by Governor's Climate Action Team (TWR #105, Water Briefs: Nov. 15, 2012)

Storage to Retention: Expanding California's Options for Meeting Its Water Needs - Roundtable on Water & Food Supply (TWR #106, Water Briefs: Dec. 15, 2012)

Delta Stewardship Council Posts the Delta Plan Final Draft in California (TWR #106, Water Briefs: Dec. 15, 2012)

Perchlorate Site Cleanup & Groundwater Investigation by EPA in California (TWR #106, Water Briefs: Dec. 15, 2012)

Water Transfers in the West by Carlee Brown (TWR #107: January 15, 2013)

California's Water Market, By the Numbers, Update 2012 (TWR #107, Water Briefs: January 15, 2013)

Klamath Restoration Agreement - Settlement Extended (TWR #107, Water Briefs: January 15, 2013)

Stormwater Ruling from US Supreme Court - Transfer of Polluted Water Not "Discharge" Under CWA (TWR #107, Water Briefs: January 15, 2013)

Shasta Lake Water Resources Investigation - Comment Period Extended (TWR #107, Water Briefs: January 15, 2013)

Klamath Dam Removal Overview Report (Interior): An Assessment of Science and Technical Information Released (TWR #108, Water Briefs: Feb. 15, 2013)

[Groundwater Contaminated Sources for Drinking Water Supply - California Report \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[California Small MS4s Regulation: State Adopts New Stormwater Regulations & Expands Program by Wendy Manley \(TWR #109: March 15, 2013\)](#)

[Bay Delta Deliveries: Reduced Pumping & Endangered Species Act Issues \(TWR #109, Water Briefs: March 15, 2013\)](#)

[Bay Delta Plan: Drafts of Conservation Plan Released in California \(TWR #110, Water Briefs: April 15, 2013\)](#)

["Takings" Claim Denied in *Casitas* Case: Beneficial Use & Injury Alleged \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Cleanup Settlement at Goodrich Superfund Site in California \(EPA\): TCA & Perchlorate \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Conjunctive Use in California's Central Valley: Mixed Results After Decades of Groundwater Banking by Jennifer Spaletta \(TWR #111: May 15, 2013\)](#)

[Fracking Risks Lawsuit in California: BLM Leases & NEPA Review \(TWR #111, Water Briefs: May 15, 2013\)](#)

[California Water Rights Atlas Unveiled by Resource Renewal Institute \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Interior Released FEIS on Klamath River Dam Removal & New Management Plan Dispute \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Reclamation Announces Actions & Strategies to Improve Water Supplies for California's Central Valley Project \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Colorado River Diversion for the Salton Sea: Reclamation Requests Payback from Imperial Valley Irrigation District \(TWR #112, Water Briefs: June 15, 2013\)](#)

[Water Transfers Push in California: Governor's Order to Streamline Process \(TWR #112, Water Briefs: June 15, 2013\)](#)

[Water Banking Criteria Draft Released by Reclamation for Central Valley Project \(TWR #112, Water Briefs: June 15, 2013\)](#)

[Groundwater Banking Project: Reclamation Restoration Funds \(San Joaquin River Restoration Settlement Act\)\(TWR #113, Water Briefs: July 15, 2013\)](#)

[Draft Economic Report on the Bay Delta Conservation Plan Released \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Fracking Studies Announced by BLM for Public Lands in California \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Basin of Origin Claims of Tehama-Colusa Canal Authority Rejected by 9th Circuit - Reclamation Cutbacks Upheld \(TWR #114, Water Briefs: August 15, 2013\)](#)

[California's Freshwater Nutrient Numeric Endpoint \(NNE\) Approach: Re-evaluating the Santa Margarita River Case Study by Thomas, Gindlesperger & Barnard \(TWR #115: Sept. 15, 2013\)](#)

[Mono Lake Settlement in California Addresses Tributary Streamflows & Other Actions \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Water Rights Determination: Agency Authority in Enforcement Actions in California \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[California Water Plan Update 2013 Draft Volume Released: The Strategic Plan - Volume 1 \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

Arizona v. California Digital Collection Debuted at William A. Wise Law Library (CU) (TWR #117, Water Briefs: Nov. 15, 2013)

Groundwater Workplan Concept Paper Discussion Draft Released by State Water Resources Control Board (TWR #117, Water Briefs: Nov. 15, 2013)

Fracking Regulations Rulemaking Proposed in California (TWR #118, Water Briefs: Dec. 15, 2013)

Land Subsidence From Groundwater Pumping: San Joaquin Valley USGS Report Released (TWR #118, Water Briefs: Dec. 15, 2013)

Water & Land Use Assessment Tool: California's Locally Adaptable Tool (Water & Stormwater Impacts) by Patterson, Hinds & Lassiter (TWR #119: Jan. 15, 2014)

Drought Management in California - Emphasis on Water Transfers (TWR #119, Water Briefs: Jan. 15, 2014)

Bay Delta Conservation Plan Released for Public Review - California & Federal Partners (TWR #119, Water Briefs: Jan. 15, 2014)

Supreme Court Stormwater Ruling: *Los Angeles Flood Control District v. NRDC* - A Strange and Meandering Case by Christopher Rich (TWR #120: Feb. 15, 2014)

Instream Transfers in California: Leasing Water to Enhance Environmental Flows (TWR #120, Water Briefs: Feb. 15, 2014)

Fracking Resolution Passes in San Francisco Urging Halt Due to Threats (TWR #120, Water Briefs: Feb. 15, 2014)

California Water Action Plan Released (TWR #120, Water Briefs: Feb. 15, 2014)

Regional Water Management Cooperation: Study Compares Four Cases in the West by Nathaniel Delano and Sharon B. Megdal (TWR #121: March 15, 2014)

Water Rates Ruling in California: Colorado River Aqueduct Overcharges (TWR #121, Water Briefs: March 15, 2014)

Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber (TWR #122: April 15, 2014)

Bay Delta Decision: Ninth Circuit Upholds Federal Plan of Protection for Delta Smelt (TWR #122, Water Briefs: April 15, 2014)

Enforcement Report of 2013 Actions Released by California State Water Resources Control Board (TWR #123, Water Briefs: May 15, 2014)

Superfund Cleanup in Humboldt Bay Pulp Mill Site in California (TWR #123, Water Briefs: May 15, 2014)

California's New Industrial Storm Water Permit by Wendy L. Manley, Wendel Rosen Black & Dean, LLP (TWR #124: June 15, 2014)

Instream Flow: Irrigators' and Water Trust's Augmentation Agreement in California (TWR #124, Water Briefs: June 15, 2014)

Supreme Court Declines to Review Los Angeles Rivers Stormwater Runoff Case (TWR #124, Water Briefs: June 15, 2014)

Los Angeles River Ecosystem Restoration Study (TWR #124, Water Briefs: June 15, 2014)

Sustainable Groundwater Management Report Released by California Water Foundation (TWR #124, Water Briefs: June 15, 2014)

Land Subsidence and Groundwater Replenishment in California (TWR #125, Water Briefs: July 15, 2014)

Public Trust Doctrine Decision in California: Groundwater Regulation to Protect Rivers (TWR #126, Water Briefs: Aug. 15, 2014)

[Sewage Discharges: CWA Settlement for East Bay Communities in California \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

[Wetlands Settlement in California: CWA Violations/Penalties \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

[Water Rights Study in California: State Over Allocation - Overhaul Proposed \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

[California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon \(TWR #128, Oct. 15, 2014\)](#)

[Drought Curtailments in California: Temporary Curtailment Liftings Possible \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Water Conservation in California: Urban Water Use During Drought \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Flow Augmentation Releases \(Trinity Reservoir\): Reclamation Releases for Salmon Protection Lower Klamath River \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Marijuana & Water Use: Illegal Farms Impact Coho Salmon in Northern California & Southern Oregon \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[California Drought: Use/Conservation Figures Released by State Water Resources Control Board \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Curtailments Lawsuit: Drought Emergency Decisions Contested in California by Water Users \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Reclamation Contracts Challenge & the ESA: Supreme Court Denies Petition by Irrigation Districts \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

[*Integrating Storage in California's Changing Water System*: Storage and Water Management Report \(TWR #131: Water Briefs, Jan. 15, 2015\)](#)

[Dry Year Program Report & Recommendations for California's Water Rights Priority System \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

["Underground Regulation" — Agency Rulemaking & the California Administrative Procedures Act by Damien Schiff \(TWR #133: March 15, 2015\)](#)

[Water Conservation in Drought: Steep Decline in Conservation in California \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Fracking Ban in California?: Wastewater Injections Disclosed & Governor Petitioned \(TWR #133, Water Briefs: March 15, 2015\)](#)

[The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt \(TWR #134: April 15, 2015\) *The Winters Doctrine & Tribal Groundwater: Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon \(TWR #134: April 15, 2015\)](#)

[Mandatory Water Use Restrictions in California: Governor's Executive Order a First \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Water Conservation in California: State Water Board Issues Expanded Emergency Regulation \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Water Purchases: Metropolitan Water District's Board Authorizes \\$71 Million for Ag Water Transfers & Promotes Conservation \(TWR #134, Water Briefs: April 15, 2015\)](#)

[California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem \(TWR #135: May 15, 2015\)](#)

[Water Transfers Program by Reclamation Proposed for Voluntary Water Transfers in California \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Groundwater Management Program Website Announced in California \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Urban Water Conservation in Southern California: Encouraging Conservation Through Tradeable Allocations & Market Mechanisms by Bond, Motlow, Steely, Wang & Libecap \(TWR #136: June 15, 2015\)](#)

[Conservation Program Expanded: MWD of Southern California Adopts in Face of Drought \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

["California Climate & Science Data for Water Resources Management" Released by CDWR \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Curtailment Support in California - Court Ruling in State's Favor on Enforcement \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Civil Penalty for Unauthorized Diversion/Use in California: \\$1.5 million Fine Issued for Water District \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Drought Compliance in California: Urban Use Reduced By 27% \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Rate Case Award for Illegal Water Rates: \\$188 Million in Damages \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder \(TWR #139, Sept. 15, 2015\)](#)

[San Joaquin Sinking: NASA Subsidence Study \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[California Water Policy Challenge by Imagine H2O - Water Innovation Contest \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Water Released for Salmon by Reclamation - Injunction by Irrigation Districts Denied \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Turf & Toilets Rebate Programs in California \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Muni-to-Farm Water in California: North Valley Recycled Water Program \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Delta Stormwater Settlement: Toxic Discharges Suit Under ESA & Clean Water Act \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Setting Measurable Objectives to Achieve Sustainable Groundwater Management in California \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Agency Enforcement - Drought Measures in California \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Roundup/Glyphosate Classified "Carcinogenic" by California's EPA \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

[LA's Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan \(TWR #141: Nov. 15, 2015\)](#)

[Water Enforcement in California: Conservation & Regulation \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Water & Power: Reclamation Science & Technology Development Projects \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Strategy to Optimize Resource Management of Storm Water in California \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Groundwater Adjudication: Legislative Reform Passed in California \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Stormwater Lawsuit: Oakland Sues Monsanto Over PCBs \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Stormwater Policy in California: New Strategy Considered \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons \(TWR #143: January 15, 2016\)](#)

[Truckee River Operating Agreement Begins: Interstate Allocations \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Fishery Regulations in California: Information Order & Potential Fines For Noncompliance \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Santa Monica Bay: 2015 State of the Bay Report Released \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Finding "New Water" in California: Seminar Review & Commentary by Jungreis and Van Ligten \(TWR #144: Feb. 15, 2016\)](#)

[Klamath Dams Removal: New Agreement Announced to Move Forward With Klamath Hydroelectric Settlement Agreement \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch \(TWR #145: March 15, 2016\)](#)

[An Evaluation of California's Adjudicated Groundwater Basins - Report by UC Santa Cruz for California SWRCB \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Cropland Recharge in California: Groundwater Recharge for Overdraft \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Groundwater Recharge Banking Program: San Joaquin River Restoration Program Releases Draft EA/IS \(TWR #146, Water Briefs: April 15, 2016\)](#)

[A Practitioner's Guide to Instream Flow Transactions in California Released \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Dam Removal: New Klamath River Agreements Signed \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Metropolitan Water District of Southern California Found Liable for \\$8.9 Million in Attorney's Fees in Rate Case \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

[Report on Water Available for Replenishment of Groundwater in California: Interim White Paper \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Designing Effective Groundwater Sustainability Agencies: Criteria for Evaluation of Local Governance Options \(CA\) \(TWR #146, Water Briefs: April 15, 2016\)](#)

15, 2016)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap (TWR #148: June 15, 2016)

Drought Enforcement in California - Dismissals Proposed Due to Failure to Prove Water Not Available (TWR #148, Water Briefs: June 15, 2016)

Drought Regulations Replaced With "Stress Test" Approach in California (TWR #148, Water Briefs: June 15, 2016)

Recommendations for Improving Water Transfers and Access to Water Markets in California (TWR #148, Water Briefs: June 15, 2016)

"CALL" for Water (see also Delivery Calls & Water Rights):

Klamath Adjudication - The Judicial Phase Begins: New Era in Oregon's Contentious Water History by MacDougal, Orford & Timmons (TWR #113: July 15, 2013)

Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)

Klamath Settlement "Agreement in Principle" Reached Between Klamath Tribes and "Off-Project" Irrigators (TWR #118, Water Briefs: Dec. 15, 2013)

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

Instream Use Change: Irrigation to Instream Transfer in Nevada Approved by State Engineer (TWR #122, Water Briefs: April 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon (TWR #132: Feb. 15, 2015)

The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon (TWR #134: April 15, 2015)

Preferences During Shortage Rejected in Texas - "Senior" Water Rights Protected (TWR #135, Water Briefs: May 15, 2015)

Instream Flow Rights Decision in Colorado: State Agency Authority Upheld - Policy of Preserving Natural Environment (TWR #135, Water Briefs: May 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones (TWR #138, August 15, 2015)

Klamath Basin Regulation: Time Immemorial Instream Rights of Tribes Protected (TWR #139, Water Briefs: Sept. 15, 2015)

[Sustainable Water Use: Historic Purchase to Preserve Basin Integrity \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Water Banking & Storage Agreement Between SNWA and MWD Supplements California Supplies During Drought \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[War and Peace Over the Niobrara River by Don Blankenau \(TWR #142: Dec. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons \(TWR #143: January 15, 2016\)](#)

[Utah Navajo Water Rights Settlement Agreement Approved by Navajo Nation Council \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

[CANADIAN WATER RIGHTS and INTERNATIONAL ISSUES \(see also JURISDICTION and MEXICO/CANADA WATER RIGHTS\):](#)

[New Era of Interbasin Water Transfers: Part II by Barbara Cosens \(TWR #73: March 15, 2010\)](#)

[CERCLA Citizen Suits Provisions: "Prevailing" Party Determination - The Award of Fees & Costs in *Pakootas v. Teck Cominco Metals, Ltd.* by Du Bey, Clark & Weir \(TWR #85: March 15, 2011\)](#)

[The Columbia River, Basin, and Treaty: Upcoming Treaty Date is Focussing Basin Water Management Issues by Stan Miller \(TWR #101: July 15, 2012\)](#)

[Transboundary Pollution Case Continues - Agreement Conceding Liability Reached Just Before Trial \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[The Future of the Columbia River Treaty by Nigel Bankes, University of Calgary & Barbara Cosens, UI Law School \(TWR #105: Nov. 15, 2012\)](#)

[Transboundary Case \(*Pakootas v. Teck*\) - Pollution Liability Under U.S. Law \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Keystone XL Pipeline - EPA Raises Objections \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Columbia River Treaty Update: Draft Regional Recommendation Released \(TWR #116: Oct. 15, 2013\)](#)

[Columbia River Treaty Review: Update & Next Steps \(From the US Entity\) - Special to The Water Report \(TWR #117, Nov. 15, 2013\)](#)

[The Columbia River Treaty: September 16 Pivot Point for the Future of the Columbia River Basin by Eric Christensen \(TWR #125: July 15, 2014\)](#)

[Aboriginal Title Decision in Canada: Implementation of Natural Resource and Energy Policy \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Columbia River Treaty Options: Protocols for Transboundary Adaptive Management Examined by Bankes & Cosens \(TWR #129: Nov. 15, 2014\)](#)

[Shared Responsibility: Governing the Use of Water & Related Resources in the International Columbia River Basin Through the Prism of Tribes and First Nations \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

CANAL LINING:

"Conserved Water" Statute in Oregon: Change in Use from Irrigation to Instream Flow Approved (Canal Lining) (TWR #116, Water Briefs: Oct. 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

"CAN and WILL" (See also SPECULATION):

Speculation Decision by Colorado Supreme Court: "Can and Will" Requirements Clarified (TWR #113, Water Briefs: July 15, 2013)

Small Scale Hydropower & Ditch Easements: Colorado Decision Applies "No Injury Rule" and Maximum Use by David Moon (TWR #136: June 15, 2015)

CANCER RISK RATES:

Fish Consumption Rate: Water Quality Standards Proposed in Washington State (TWR #128, Water Briefs, Oct. 15, 2014)

Fish Consumption Rule & Toxics Standards Proposal for Washington (TWR #132, Water Briefs: Feb. 15, 2015)

Fish Consumption Rate in Washington: EPA Proposes Human Health Criteria Rule (TWR #139, Water Briefs: Sept. 15, 2015)

CARCINOGEN CLASSIFICATION:

Roundup/Glyphosate Classified "Carcinogenic" by California's EPA (TWR #140, Water Briefs: Oct. 15, 2015)

"CANDIDATE SPECIES":

ESA Workplan: USFWS & Plaintiffs' Reach Agreement (Center for Biological Diversity & WildEarth Guardians) (TWR #89, Water Briefs: July 15, 2011)

CANCELLATIONS: See FORFEITURE or ABANDONMENT

-

CANOPY CLOSURE:

California's Freshwater Nutrient Numeric Endpoint (NNE) Approach: Re-evaluating the Santa Margarita River Case Study by Thomas, Gindlesperger & Barnard (TWR #115: Sept. 15, 2013)

CAPABILITIES ASSESSMENT:

"Western State Water Program Capabilities Assessment Survey Report" Released by Western States Water Council (TWR #128, Water Briefs, Oct. 15, 2014)

CAPITAL COSTS:

Texas Water Plan/Management Strategies: 2017 Plan Released (TWR #148, Water Briefs: June 15, 2016)

CAPITAL INVESTMENT & IMPROVEMENT:

Clean Watersheds Needs Survey Released by EPA (TWR #144, Water Briefs: Feb. 15, 2016)

Green Infrastructure Guidance Announced by WRF: Capital Improvement Project Delivery Methods & Incentives (TWR #146, Water Briefs: April 15, 2016)

CAPPED PRODUCTION:

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

CARBON SEQUESTRATION/CARBON STORAGE:

Carbon Sequestration Injection Project in Arizona: West Coast Regional Carbon Sequestration Partnership (TWR #62, Water Briefs: April 15, 2009)

Geologic Sequestration: Carbon Dioxide Injection - EPA Seeking Comments (TWR #67, Water Briefs: Sept. 15, 2009)

Climate Change: Dept. of the Interior Strategy/Order (TWR #68, Water Briefs: Oct. 15, 2009)

USDA Conservation Reserve Program (CRP) General Signup (TWR #96, Water Briefs: Feb. 15, 2012)

Rivers and Carbon - USGS Study (TWR #125, Water Briefs: July 15, 2014)

CARCINOGENS:

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

Water Quality Monitoring Report Released by Izaak Walton League of America: Haphazard & Limited (TWR #146, Water Briefs: April 15, 2016)

CAREY ACT:

Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs (TWR #100: June 15, 2012)

"CARRIER" WATER or CARRIAGE WATER:

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

CASING WELLS:

EPA Fracking Study "Draft Assessment" Released (TWR #137, Water Briefs: July 15, 2015)

Fracking & Drinking Water Sources: Stanford Researchers Show Fracking's Impact to Drinking Water Sources by Rob Jordan (TWR #146: April 15, 2016)

CATEGORICAL EXEMPTIONS:

"Underground Regulation" — Agency Rulemaking & the California Administrative Procedures Act by Damien Schiff (TWR #133: March 15, 2015)

CAUSAL ANALYSIS/CAUSATION:

Stream Contamination Diagnostic Tool (EPA): Causal Analysis/Diagnosis Decision Information System (TWR #24, Water Briefs: February 15, 2006)

Federal ESA Decisions: Return of *Sweet Home* in Texas Whooping Crane Case by Richardson, Weinberg, Wang & Fansler (TWR #126: Aug. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

CENSUS - WATER CENSUS:

Progress Toward Establishing a National Assessment of Water Availability and Use - Interior Water Census (TWR #110, Water Briefs: April 15, 2013)

National Water Census: USGS & Stakeholders Give Congressional Briefing (TWR #116, Water Briefs: Oct. 15, 2013)

CERTAINTY:

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

CENTRAL ARIZONA PROJECT:

[Arizona Water Settlement Approved by Congress \(TWR #10, Water Briefs: Dec. 15, 2004\)](#)

[Law of the Rio Grande \(Report from the 6th Annual Conference\) by David Moon, Editor \(TWR #13: March 15, 2005\)](#)

[Southwest Water Decisions: Arizona Water Settlements Act, Indian Reserved Rights, Adjudications by McGinnis & Alberts \(TWR #20: October 15, 2005\)](#)

[Reclaimed Water: Bureau of Reclamation FONSI in Arizona \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Phoenix Water Planning: Water Resources Plan - The 2005 Update by Tom Buschatzke \(TWR #32: October 15, 2006\)](#)

[Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering \(TWR #43, Sept. 15, 2007\)](#)

[Agricultural Water to Municipal Use: The Legal and Institutional Context for Voluntary Transactions in Arizona by Eden, Glennon, Ker, Libecap, Megdal & Shipman \(TWR #58: December 15, 2008\)](#)

[Tribal Water Lease: Central Arizona Project Water to Municipality \(Reclamation FONSI Issued\) \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Arizona Groundwater Management by Sharon B. Megdal \(TWR #104: Oct. 15, 2012\)](#)

[The "Fill Mead First" Proposal: Potential Legal Issues Under the Law of the River by Lawrence J. MacDonnell \(TWR #112: June 15, 2013\)](#)

[Aquifer Recharge - Water Banking Paper by Arizona WRRC \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

[Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey \(TWR #130: Dec. 15, 2014\)](#)

[Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin \(TWR #130: Dec. 15, 2014\)](#)

[Proposed Reallocation of Non-Indian Agricultural Water in the Central Arizona Project \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

CENTRAL VALLEY PROJECT:

[Reclamation Announces Actions & Strategies to Improve Water Supplies for California's Central Valley Project \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Water Banking Criteria Draft Released by Reclamation for Central Valley Project \(TWR #112, Water Briefs: June 15, 2013\)](#)

[Draft Economic Report on the Bay Delta Conservation Plan Released \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Basin of Origin Claims of Tehama-Colusa Canal Authority Rejected by 9th Circuit - Reclamation Cutbacks Upheld \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Bay Delta Conservation Plan Released for Public Review - California & Federal Partners \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer \(TWR #127: Sept. 15, 2014\)](#)

[Reclamation Increases Flow Releases - Lower Klamath River Supplement from Trinity Reservoir \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

[Flow Augmentation Releases \(Trinity Reservoir\): Reclamation Releases for Salmon Protection Lower Klamath River \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Water Resource Issues in the 114th Congress-Congressional Research Service Report \(TWR #133, Water Briefs: March 15, 2015\)](#)

[CERCLA \(see also Superfund\):](#)

[Upper Columbia River Contamination: Transboundary Application of CERCLA by Du Bey, Ulick Rosenthal & Clark \(TWR #15: May 15, 2005\)](#)

[2005 Sediments Conference by Laura Kennedy \(TWR #16: June 15, 2005\)](#)

[Superfund Lien: Past Cleanup Costs \(TWR #17, Water Briefs: July 15, 2005\)](#)

[Hazardous Waste - California CERCLA Settlement \(TWR #21, Water Briefs: Nov. 15, 2005\)](#)

[Hanford Superfund Site Update by Ken Niles, Assistant Director, Oregon Department of Energy \(TWR #23, Jan. 15, 2006\)](#)

[Mining Megasite Cleanup: CERCLA Remedies Adapt to Circumstances in Butte, Montana by Angela Frandsen \(TWR #26: April 15, 2006\)](#)

[Hanford Site Five-Year CERCLA Review \(TWR #27, Water Briefs: May 15, 2006\)](#)

[International Agreement with Canada: Transboundary CERCLA Settlement \(TWR #29, Water Briefs: July 15, 2006\)](#)

[CERCLA Test: "Substantial Continuity" and Successor Liability Ruling \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Superfund Cleanup Deadline: Stipulated Penalty of \\$358,000 \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Transboundary Pollution - 9th Circuit Order Appealed \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Superfund Liabilities and Liability Apportionment Decision by 9th Circuit \(TWR #38, Water Briefs: April 15, 2007\)](#)

[Wood Waste & Water: Washington State's New Wood Waste Cleanup Push by Thiele, Steding & Hermann \(TWR #39: May 15, 2007\)](#)

[CERCLA Liability: Ninth Circuit Accepts "Divisible Harm" as a Defense by Brien J. Flanagan and Carson Bowler \(TWR #39: May 15, 2007\)](#)

[Transboundary CERCLA Case: Supreme Court Requests Federal Brief \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Good Samaritan Settlement Agreements: CERCLA Tool for Mine Cleanup \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Migrating Plume in Arizona: EPA Groundwater Order \(TWR #42, Water Briefs: August 15, 2007\)](#)

[US Held as Potentially Responsible Party under CERCLA on Tribal Trust Land \(TWR #44, Water Briefs: Oct. 15, 2007\)](#)

[Contaminated Sediments Update: Conference Links Law, Science & Public Policy by Heather Brunelle and Cindy Ryals \(TWR #45, Nov. 15, 2007\)](#)

[Superfund Success: Restoration Project in Montana \(TWR #45, Water Briefs: Nov. 15, 2007\)](#)

[Superfund Settlement: \\$187 Million River Cleanup \(TWR #48, Water Briefs: February 15, 2008\)](#)

[CERCLA-NRDA Restoration: Ecocredits/Liability Coverage for Duwamish River Sites by Scott Lockert \(TWR #57: November 15, 2008\)](#)

[SUPERFUND Liability: "Arranged for Disposal" and PRP\(s\) - Supreme Court Victory for Shell Oil Company \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Navajo Nation Lauded: Environmental Protection and Leadership \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Tribal Jurisdiction: Damage Claims Dismissed in Oklahoma AG's Poultry Lawsuit \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Tribal Liability: Decision Holds No CERCLA Liability Against Tribes in Transboundary Case \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Ammonia Spills in Nebraska & Kansas: \\$3.65 Million Clean Water Act Penalty \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[SUPERFUND Settlement: \\$21 Million Contaminated Groundwater Cleanup System \(EPA & Northrop Grumman\) \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[CERCLA Citizen Suits Provisions: "Prevailing" Party Determination - The Award of Fees & Costs in *Pakootas v. Teck Cominco Metals, Ltd.* by Du Bey, Clark & Weir \(TWR #85: March 15, 2011\)](#)

[Transboundary Case \(*Pakootas v. Teck*\) - Pollution Liability Under U.S. Law \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase \(TWR #108: Feb. 15, 2013\)](#)

[CERTIFICATE of WATER RIGHT or Water Right Certificates:](#)

[Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith \(TWR #133: March 15, 2015\)](#)

[Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield \(TWR #148: June 15, 2016\)](#)

[CERTIFICATION - ENVIRONMENTAL PRACTICES:](#)

[Salmon Safe Certification: Golf Course Assessment Leads to Certification for Tribal Course \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase \(TWR #108: Feb. 15, 2013\)](#)

CHANGED CIRCUMSTANCES:

Water Right Nonuse: Historical Beneficial Consumptive Use in Change Proceedings in Colorado (TWR #133, Water Briefs: March 15, 2015)

CHANGE of Water Rights (see also TRANSFERS):

Rotational Agreement Held Not a Change in Water Rights by Colorado Supreme Court (TWR #95, Water Briefs: Jan. 15, 2012)

Nuclear Power Water Right Change Applications Approved in Utah (TWR #96, Water Briefs: Feb. 15, 2012)

Municipal Water Resources & Regional Planning: The Prairie Waters Project - Aurora, Colorado by Lisa Darling (TWR #98: April 15, 2012)

Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol (TWR #121: March 15, 2014)

Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)

Speculation & Fracking: Transfer/Change Request Opposed in New Mexico (TWR #131: Water Briefs, Jan. 15, 2015)

Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith (TWR #133: March 15, 2015)

Water Right Nonuse: Historical Beneficial Consumptive Use in Change Proceedings in Colorado (TWR #133, Water Briefs: March 15, 2015)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

Water Transfers Program by Reclamation Proposed for Voluntary Water Transfers in California (TWR #135, Water Briefs: May 15, 2015)

Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones (TWR #138, August 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

CHANNEL DYNAMICS:

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

CHANNEL MIGRATION:

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

“CHEMICAL WASTE”:

Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations (Congressional Research Service) by Claudia Copeland (TWR #128, Oct. 15, 2014)

CHESAPEAKE BAY:

Dead Zones in Gulf of Mexico and Chesapeake Bay: NOAA Predictions for 2014 (TWR #125, Water Briefs: July 15, 2014)

CHEVRON DEFERENCE (see also AGENCY DEFERENCE):

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

Whooping Crane ESA Case: Fifth Circuit Refuses to Reconsider ESA “Take” Challenge by David Moon (TWR #131: Jan. 15, 2015)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

CHECKERBOARD OWNERSHIP:

Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson (TWR #117, Nov. 15, 2013)

CHLORINE:

Water & Power: Reclamation Science & Technology Development Projects (TWR #141, Water Briefs: Nov. 15, 2015)

CIENAGA DE SANTA CLARA (see also Yuma Desalting Plant and Colorado River):

Colorado River Management: Planning, Agreeing & Acting by Ted Kowalski (TWR #107: January 15, 2013)

U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service (TWR #118, Dec. 15, 2013)

CISTERNS:

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

CITIZEN SUITS:

Columbia River Discharges - Clean Water Act Citizen Suit (TWR #5, Water Briefs: July 15, 2004)

Upper Columbia River Contamination: Transboundary Application of CERCLA by Du Bey, Ulick Rosenthal & Clark (TWR #15: May 15, 2005)

Transboundary Pollution - 9th Circuit Order Appealed (TWR #37, Water Briefs: March 15, 2007)

Transboundary CERCLA Case: Supreme Court Requests Federal Brief (TWR #41, Water Briefs: July 15, 2007)

Clean Water Act Citizen Suits - The Plaintiff's Perspective: Liability is "Strict" - What's Left to Discuss? by Michael Chappell (TWR #60: Feb. 15, 2009)

Clean Water Act Litigation: Avoiding and Responding to Third-Party Lawsuits by Jeff Kray & Meline MacCurdy (TWR #79, Sept. 15, 2010)

CERCLA Citizen Suits Provisions: "Prevailing" Party Determination - The Award of Fees & Costs in *Pakootas v. Teck Cominco Metals, Ltd.* by Du Bey, Clark & Weir (TWR #85: March 15, 2011)

The ESA & Water: Litigation Update - The ESA as Driver of Water Quality & Water Quantity by Quasius & Laschever (TWR #103: Sept. 15, 2012)

Transboundary Case (*Pakootas v. Teck*) - Pollution Liability Under U.S. Law (TWR #107, Water Briefs: January 15, 2013)

Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase (TWR #108: Feb. 15, 2013)

Citizen Suits Under Clean Water Act - "Diligent Prosecution" Bars Clarified by 9th Circuit (*Knee Deep* Cited)(TWR #114, Water Briefs: August 15, 2013)

Supreme Court Stormwater Ruling: *Los Angeles Flood Control District v. NRDC* - A Strange and Meandering Case by Christopher Rich (TWR #120: Feb. 15, 2014)

Clean Water Act Citizen Suit in Colorado - South Platte Pollution (TWR #125, Water Briefs: July 15, 2014)

Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations (Congressional Research Service) by Claudia Copeland (TWR #128, Oct. 15, 2014)

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

CITIZEN VOLUNTEERS:

Water Quality Monitoring Report Released by Izaak Walton League of America: Haphazard & Limited (TWR #146, Water Briefs: April 15, 2016)

CLAIMS EXAMINATION:

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

CLAIMS PRECLUSION:

Former Decree Precludes San Carlos Apache Tribe's Claims in Gila Adjudication in Arizona (TWR #26, Water Briefs: April 15, 2006)

CLEAN POWER PLAN:

The Impacts of EPA's Clean Power Plan on Electricity Generation and Water Use in Texas (TWR #131: Water Briefs, Jan. 15, 2015)

CLEANUP DRIVERS:

Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder (TWR #139, Sept. 15, 2015)

CLEAN WATER ACT (see also NPDES):

Waterway-To-Waterway Transference: NPDES Permit Requirements and the *Miccosukee* Case by Rick Glick (TWR #2: April 15, 2004)

Oregon Water Quality Standards: National Model for Fisheries by Mary Lou Souscia (TWR #2: April 15, 2004)

Stormwater Penalty: EPA Enforcement (TWR #2, Water Briefs: April 15, 2004)

Gold Mine Water Pollution in Montana (TWR #2, Water Briefs: April 15, 2004)

Coalbed Methane Extraction: Newfound Impacts and Water Quality Mitigation by Tom Darin (TWR #3: May 15, 2004)

Stormwater Penalty Issued Against Wal-Mart: \$3.1 Million Fine (TWR #4, Water Briefs: June 15, 2004)

Columbia River Discharges - Clean Water Act Citizen Suit (TWR #5, Water Briefs: July 15, 2004)

Clean Water Act Settlement - Navajo Nation (San Juan River) TWR #6, Water Briefs

Groundwater Consent Decree - Contamination by US Army (TWR #7, Water Briefs: Sept. 15, 2004)

Montana Water Law Update by David C. Moon (TWR #11: Jan. 15, 2005)

Hydroelectric Relicensing and the Clean Water Act by David C. Moon (TWR #12: Feb. 15, 2005)

Endangered Species Act Update: Summary of the 12th Annual ESA Conference by Greg D. Corbin (TWR #12: Feb. 15, 2005)

Coalbed Methane General Permit Held Illegal in Wyoming (TWR #12, Water Briefs: Feb. 15, 2005)

Water Quality Database (EPA) (TWR #13, Water Briefs: March 15, 2005)

Clean Water Act Violation - Industrial Wastewater (TWR #14, Water Briefs: April 15, 2005)

Clean Water Act Enforcement - NPDES Violations (TWR #14, Water Briefs: April 15, 2005)

Clean Water Decision Regarding Costs of Compliance (TWR #15, Water Briefs: May 15, 2005)

CWA Public Notice: General Permits (TWR #17, Water Briefs: July 15, 2005)

CWA Penalty and Settlement: Oil Spill Response (TWR #17, Water Briefs: July 15, 2005)

Clean Water Act Fine - Wetlands Dumping (TWR #18, Water Briefs: August 15, 2005)

Nonpoint Sources - Arizona Grants (TWR #18, Water Briefs: August 15, 2005)

State NPDES Authority: NPDES Program Vacated in Arizona (TWR #19, Water Briefs, September 15, 2005)

Nebraska CAFOs: Clean Water Act Penalty (TWR #20, Water Briefs: October 15, 2005)

Interstate Water Quality Battle: Oklahoma v. Poultry (TWR #20, Water Briefs: October 15, 2005)

Clean Water Act Cases Accepted by US Supreme Court (TWR #21, Water Briefs: Nov. 15, 2005)

Clean Water Act Fine for Inaccurate Reporting (TWR #21, Water Briefs: Nov. 15, 2005)

Wetlands and the Clean Water Act: *Rapanos*, *Carabell* and the Limits of Federal Jurisdiction by Bleichfeld, Collinson & Mills (TWR #24: February 15, 2006)

Water Quality and Temperature Trading: Regulatory Innovation in the Tualatin Basin by Bruce Cordon (TWR #24: February 15, 2006)

Water Quality Litigation: Oregon's "State-of-the-Art" Water Quality Standards Challenge by Richard M. Glick (TWR #24: February 15, 2006)

Tribal Clean Water Act Grants: EPA Guideline Published (TWR #24, Water Briefs: February 15, 2006)

CWA & ESA Intersections - Water Quality & ESA Section 7: Northwest Examples by Melanie J. Rowland (TWR #25: March 15, 2006)

The ESA & CWA Delegation: Defenders of Wildlife V. EPA by David Light (TWR #25: March 15, 2006)

Use Attainability Analysis: Friend or Foe? by John Spencer and Tom Dupuis, CH2M Hill (TWR #27: May 15, 2006)

Interstate Water Quality: Coalbed Methane Conflict Between Wyoming and Montana (TWR #27, Water Briefs: May 15, 2006)

[NPDES Authority Challenged in Washington: Stormwater & Point Sources \(TWR #27, Water Briefs: May 15, 2006\)](#)

[State Authority & Hydropower: Supreme Court Affirms State Authority \(*S.D. Warren v. Maine*\) by Richard M. Glick \(TWR #28, June 15, 2006\)](#)

[Mixing Zones - An Overview of Some Western States by Gregg Bryden \(TWR #28, June 15, 2006\)](#)

[Clean Water Act Violations: Settlement Reached on Oil Spill on Warm Springs Reservation \(TWR #28, Water Briefs, June 15, 2006\)](#)

[Stormwater Settlement: Idaho Highway Construction Results in Clean Water Act Violations \(TWR #28, Water Briefs, June 15, 2006\)](#)

[Clean Water Act Wetlands Jurisdiction: US Supreme Court Rules on *Rapanos & Carabell* by Jennie Bricker \(TWR #29: July 15, 2006\)](#)

[Supreme Court Decides Wetlands Cases *Rapanos & Carabell* by Roderick Walston \(TWR #30: August 15, 2006\)](#)

[Wetlands Enforcement: Agriculture Exemption Limits \(TWR #30, Water Briefs: August 15, 2006\)](#)

[Mercury Contamination: A West Coast Perspective by Katherine Futornick, Gary Bigham, and Betsy Henry \(TWR #31; September 15, 2006\)](#)

[Hydroelectric Relicensing Decision: Skokomish Case Limits FERC Authority by David Moon \(TWR #31; September 15, 2006\)](#)

[Wetlands Case: 9th Circuit Issues Post-*Rapanos* Decision \(TWR #31, Water Briefs: Sept. 15, 2006\)](#)

[Nationwide Section 404 Permits \(Clean Water Act\): Corps of Engineers Proposal \(TWR #32, Water Briefs: October 15, 2006\)](#)

[New Regulations for Ballast Water Ordered \(TWR #32, Water Briefs: October 15, 2006\)](#)

[Tribal Clean Water Act Authority: Water Quality Designation in California \(TWR #33, Water Briefs: Nov. 15, 2006\)](#)

[State NPDES Programs & ESA Consultation: Federal Court Rejects Argument ESA Consultation Required by Morford & Ginsberg \(TWR #34: December 15, 2006\)](#)

[National Forest Activities: Gold Mining Decision Has Wide Implications by David Moon \(TWR #34: December 15, 2006\)](#)

[Wetland Mitigation: Evaluating Clean Water Act Projects in California \(TWR #34, Water Briefs: December 15, 2006\)](#)

[Stormwater Pollution Order on Industrial Runoff in California \(TWR #34, Water Briefs: December 15, 2006\)](#)

[NPDES Permits & Water Transfers: Post-*Miccosukee* Court in Florida Finds NPDES Permit Necessary by Richard M. Glick \(TWR #35: January 15, 2007\)](#)

[Clean Water Act Settlement: Wetlands Preservation & Enhancement \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Water Transfers and the Clean Water Act by Rick Glick \(TWR #36, February 15, 2007\)](#)

[Klamath Dams - Agency Fish Passage Mandates Finalized \(TWR #36, Water Briefs: February 15, 2007\)](#)

[ESA & CWA: Endangered Species Act Influences on EPA's Clean Water Act Programs \(The Washington State Example\) by Palmer \(TWR #37: March 15, 2007\)](#)

[Corps Dredging Regulation: District Court Strikes Down Tulloch II Dredging Rule by Steve Richardson and Sam Kalen \(TWR #37: March 15, 2007\)](#)

[Clean Water Act Authority Approved for Pyramid Lake Paiute Tribe \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Clean Water Act Violation: Negotiated Settlement in Alaska \(TWR #38, Water Briefs: April 15, 2007\)](#)

[Clean Water Act Mercury Listing - EPA Guidance \(TWR #38, Water Briefs: April 15, 2007\)](#)

[Wetlands Permits - Corps of Engineers Revises Nationwide Permits \(TWR #38, Water Briefs: April 15, 2007\)](#)

[Elwha River Dam Removal: CWA Permit Issued \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Municipal Stormwater: An Overview of Current Regulation and Management by Misha Vakoc \(TWR #40, June 15, 2007\)](#)

[Oil Spill Settlement in California \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Supreme Court Limits ESA: *National Homebuilders v. Defenders of Wildlife* by Richard M. Glick and Lindsay Eyler \(TWR #41: July 15, 2007\)](#)

[Nutrient Numeric Endpoints: Not Quite Ready for Prime Time? by Jeremy N. Jungreis and Scott Thomas \(TWR #42: August 15, 2007\)](#)

[Transboundary CERCLA Case: Supreme Court Requests Federal Brief \(TWR #41, Water Briefs: July 15, 2007\)](#)

[City/EPA Settlement for Wastewater Treatment Violations \(CWA\) \(TWR #41, Water Briefs: July 15, 2007\)](#)

[CAFO Compliance: EPA Deadlines Extended \(TWR #42, Water Briefs: August 15, 2007\)](#)

[Response to "Nutrient Numeric Endpoints: Not Quite Ready for Prime Time?" \(Jungreis & Thomas, TWR #42\) by Dr. Jonathan Butcher and Cynthia Gorham-Test \(TWR #43, Sept. 15, 2007\)](#)

[Watershed-Based NPDES Permitting Technical Guidance Issued by EPA \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Pipeline Releases Ammonia: Criminal CWA Penalty of \\$1 Million \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Water Quality Trading Toolkit Released by EPA \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Utah Nonpoint Source Grant Program: Why Is It Needed? - How Will It Work? by Shelly Quick \(TWR #44, Oct. 15, 2007\)](#)

[Water Quality Standards & Hydropower Dams: Finding Concrete Solutions by Rebecca Sherman, Brett Swift and Rick Eichstaedt \(TWR #45, Nov. 15, 2007\)](#)

[Coalbed Methane: Montana's Anti-Degradation & Numeric Standards \(TWR #45, Water Briefs: Nov. 15, 2007\)](#)

[Discharges Ruling: NPDES Prohibition on Impaired Waterways \(TWR #45, Water Briefs: Nov. 15, 2007\)](#)

[Wastewater Treatment-Benefits of Moving Beyond Minimum Reqmts.: King County's Brightwater Project by Hummel \(TWR #46: December 15, 2007\)](#)

[Impaired Waters and Permitting: Implications of the *Pinto Creek* Decision by Jeremy N. Jungreis \(TWR #46: December 15, 2007\)](#)

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[TMDL Challenges in Development and Implementation by David L. Clark, Jory Oppenheimer, and Michael Kasch \(TWR #47: January 15, 2008\)](#)

[Home Depot Settles Stormwater Case for \\$1.3 Million \(TWR #49, Water Briefs: March 15, 2008\)](#)

[Forest Service Legacy Roads: New Remediation Initiative Renews Focus by Mary Scurlock and Gina Ottoboni \(TWR #50: April 15, 2008\)](#)

[Water Quality Section 401 Certification: Avista Dams and FERC Relicensing \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Effluent Discharges From Refinery: Clean Water Act \\$1.2 Million Penalty in Texas \(TWR #50, Water Briefs: April 15, 2008\)](#)

[EPA Reversal on 303\(d\) Listing: Klamath River Decision \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Multi-Use Reservoir Analysis: Rio Grande Reservoir by Matthew Bliss \(TWR #51: May 15, 2008\)](#)

[Cooling Water Intake Rule - Supreme Court to Review \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Ski Area Oil Spill: EPA Penalty Settlement in Washington \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Wetlands Enforcement: Clean Water Act Settlement in Idaho \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Tribal "Treatment As State" - Oklahoma Tribes Face Special "Treatment" by David Moon and David Light \(TWR #52: June 15, 2008\)](#)

[Wetlands Delineation: New Corps Guidance \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Water Quality Standards Settlement in Oregon: Toxics & ESA Protection \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Clean Water Act Copper Limits to Protect Salmon: NPDES Permit Developments for Puget Sound, Washington by John Palmer \(TWR #54, August 15, 2008\)](#)

[Alaskan NPDES Authority Sought \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Ballast Water Discharges & Invasive Species: Decision Requires Clean Water Act NPDES Permits \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Clean Water Act & Rivers & Harbors Act Jurisdictional Determinations: Corps Guidance Issued \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Criminal Prosecution of Clean Water Act Failure to Report \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Stormwater Consent Decree: \\$1 Million Civil Fine for Landfill Violations \(TWR #55, Water Briefs: September 15, 2008\)](#)

[NPDES Fees: EPA Incentives Program \(TWR #55, Water Briefs: September 15, 2008\)](#)

[Shoshone Bannocks Tribes Obtain "Treatment as State" Approval Under Clean Water Act \(TWR #55, Water Briefs: September 15, 2008\)](#)

[Kansas' Revised State Water Quality Standards Approved by EPA \(TWR #55, Water Briefs: September 15, 2008\)](#)

[CAFO Violations Lead to EPA Enforcement Actions in Texas \(TWR #55, Water Briefs: September 15, 2008\)](#)

[Clean Water Act: Largest Fine Ever in Stormwater Criminal Misdemeanor Action \(\\$13 million\) \(TWR #56, Water Briefs: October 15, 2008\)](#)

[Wetlands Penalty Agreement in South Dakota: Illegal Fill Results in Clean Water Act Violations \(TWR #56, Water Briefs: October 15, 2008\)](#)

[CAFO Cease and Desist in Texas: Clean Water Act Violations \(TWR #56, Water Briefs: October 15, 2008\)](#)

Clean Water Act Violations in Arizona: \$1.25 Million Penalty (TWR #56, Water Briefs: October 15, 2008)

New Stormwater Multi-Sector General Permit Issued by EPA (TWR #56, Water Briefs: October 15, 2008)

EPA Clean Water Act Regs: 9th Circuit Affirms Mandate that EPA Issue Construction Industry Guidelines/Standards by Iani & Kennedy (TWR #57: Nov. 15, 2008)

CAFO Requirements: EPA Rule Finalized (TWR #57, Water Briefs: November 15, 2008)

Clean Water Act Enforcement: Criminal Sentencing (TWR #57, Water Briefs: November 15, 2008)

Clean Water Act Violations in Arizona: Santa Cruz River Illegal Filling Results in \$1.25 Million Penalty (TWR #57, Water Briefs: November 15, 2008)

Wetlands Revised Guidance: Clean Water Act Scope and Jurisdiction (TWR #58, Water Briefs: December 15, 2008)

Aquatic Pesticides: Sixth Circuit Strikes EPA Aquatic Pesticide Rule by J. Mark Morford (TWR #59: Jan. 15, 2009)

Clean Water Act Citizen Suits - The Plaintiff's Perspective: Liability is "Strict" - What's Left to Discuss? by Michael Chappell (TWR #60: Feb. 15, 2009)

Dams & Temperature MOU Addresses Spokane River Hydro Issues for Washington, Idaho and Coeur d'Alene Tribe (TWR #60, Water Briefs: Feb. 15, 2009)

NPDES Ruling: US Supreme Court Denies Appeal in *Friends of Pinto Creek v. EPA* (TWR #60, Water Briefs: Feb. 15, 2009)

American Recovery & Reinvestment Act of 2009: Federal Water & Environment Funding (TWR #61, Water Briefs: March 15, 2009)

Wetlands Enforcement in Idaho: Restoration Ordered by EPA (TWR #61, Water Briefs: March 15, 2009)

Clean Water Act Enforcement: Illegal Discharge to Creek and Wetlands Results in Compliance Order in Wyoming (TWR #62, Water Briefs: April 15, 2009)

Mine Slurry Permit: Corps v. EPA Authority (TWR #65, Water Briefs: July 15, 2009)

Balancing Resource Protection & Economic Development: An Early Assessment of Emerging Water Policies in the Obama Administration by Sensiba & Swenson (TWR #66: August 15, 2009)

Clean Water Act Settlement-Nevada: Union Pacific Agreement Includes \$31 Million Restoration & \$800,000 Penalty (TWR #66, Water Briefs: August 15, 2009)

Cease & Desist Order for CWA Violations in Oklahoma (Compost Facility/Animal Wastes) (TWR #66, Water Briefs: August 15, 2009)

Ammonia Spills in Nebraska & Kansas: \$3.65 Million Clean Water Act Penalty (TWR #67, Water Briefs: Sept. 15, 2009)

Stormwater Agreement in Texas: Contractors & Agencies Pilot Program (TWR #68, Water Briefs: Oct. 15, 2009)

Clean Water Act Enforcement: EPA Issues New Action Plan by Tyson Kade and John Iani (TWR #69: Nov. 15, 2009)

Stormwater Penalties Issued Against Idaho Dept. of Transportation (TWR #69, Water Briefs: Nov. 15, 2009)

Environmental Crime & Assault Results in Twenty-Year Sentence in Utah (TWR #69, Water Briefs: Nov. 15, 2009)

[Klamath Settlement Agreements: Charting a New Direction by Glen Spain \(TWR #70: Dec. 15, 2009\)](#)

[Section 404 Clean Water Act Overhaul: EPA Enforcement Changes Urged \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[Endocrine Disruptors in Nevada: Lake Mead Pollution \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[Clean Water Act Enforcement in Colorado: River/Wetlands Damage Agreement \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[Residual Designation Authority: New Applications of Seldom-Used Clean Water Act Regulatory Tool by Robert W. Varney \(TWR #71: Jan. 15, 2010\)](#)

[NPDES Enforcement Annual Report Released in California \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Tribal Clean Water Act Program: Nonpoint Source Pollution \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Clean Water Act Enforcement: ADEQ Consent Judgment with ASARCO \(Tailings Discharge\) \(TWR #75, Water Briefs: May 15, 2010\)](#)

[CAFO Violations: EPA Enforcement Actions in the Midwest \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Clean Water Act Enforcement in Alaska: Wetlands and Streams Damaged \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Water Quality Standards Revision: EPA Listening Sessions August 24 & 26 \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[L.A. River "Navigable" - Clean Water Act Protection Extended \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Clean Water Act Litigation: Avoiding and Responding to Third-Party Lawsuits by Jeff Kray & Meline MacCurdy \(TWR #79, Sept. 15, 2010\)](#)

[Logging Road Runoff: U.S. Loggers Lose an Important Clean Water Act Exemption by Jeffrey J. Miller & Robert A. Maynard \(TWR #79, Sept. 15, 2010\)](#)

[Dredging Opposed in Missouri River: EPA Objects to Corps Proposals \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Total Coliform Rule: EPA Comment Period Extended \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Blackfeet Tribe Seeks Clean Water Act Status \("TAS"\): Comment Period Open \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Pesticides Regulation: EPA Concludes Comment Period on Proposed Pesticide General Permit - Final Permit Issuance Expected This December by Lindley & Hamilton \(TWR #80: Oct. 15, 2010\)](#)

[Water Resources & Environment - Legislative Update from Washington, D.C.: Conversations with Ryan C. Seiger, Staff Director for the US House Subcommittee on Water Resources and Environment by Joan Card \(TWR #80: Oct. 15, 2010\)](#)

[Clean Water Act Complaint in Idaho: Fish Farm Violations \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[NPDES Permit Writer's Manual Released \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[EPA issues Clean Water & Drinking Water Infrastructure Sustainability Policy \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak \(TWR #81: November 15, 2010\)](#)

[Clean Water Act Enforcement - Gravel Mining Impacts Wetlands in Colorado \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

Clean Water Permits: EPA Requests Action on Expired Sewage Treatment & Industrial Permits in Texas (TWR #82, Water Briefs: Dec. 15, 2010)

Enforcement of CWA: Homebuilder Agrees to \$925,000 Fine Plus Improvements for Stormwater Violations in 21 States (TWR #82, Water Briefs: Dec. 15, 2010)

Headwater Protection in New Mexico - Wilderness Areas Rule Adopted by Water Quality Control Commission (TWR #82, Water Briefs: Dec. 15, 2010)

Klamath TMDLs: California Plan Approved - Oregon TMDLs Upcoming (TWR #83, Water Briefs: Jan. 15, 2011)

Federal Stormwater Rulemaking: Association of State & Interstate Water Pollution Control Administrators Comments (TWR #84: Feb. 15, 2011)

Stormwater Monitoring Reports in Washington: Ecology Issuing Fines to General Permittees for Failure to Report (TWR #84, Water Briefs: Feb. 15, 2011)

Landowner Rights Decision: Standing to Challenge "Impaired Waters" 303(d) Listing Under Clean Water Act (TWR #85, Water Briefs: March 15, 2011)

Stormwater Agreement in Utah: Unpermitted Discharges Penalty for Quarry Runoff (TWR #85, Water Briefs: March 15, 2011)

Dissolved Metals in Stormwater: Biotic Ligand Model-New Treatment Paradigm (Obtaining Environmental Protection With New Technology & Defensible Standards by Wisdom & Bucich (TWR #86: April 15, 2011)

Clean Water Strategy Released by EPA (TWR #86, Water Briefs: April 15, 2011)

Wetlands Violations & EPA Enforcement: Large Penalty and Restoration Ordered in Montana (TWR #86, Water Briefs: April 15, 2011)

CWA Integrated Reporting Memorandum for 2012 Reporting Cycle (Water Quality Reports) (TWR #86, Water Briefs: April 15, 2011)

Clean Water Act Enforcement - EPA Updates Data & Mapping Webtool (TWR #86, Water Briefs: April 15, 2011)

Treatment As A State: Havasupai Tribe Authority Under Clean Water Act (TWR #87, Water Briefs: May 15, 2011)

Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates (TWR #88: June 15, 2011)

Criminal Clean Water Act Violation: DARIGOLD Pleads Guilty (TWR #89, Water Briefs: July 15, 2011)

Fish Consumption & Tribes: Revised Water Quality Standards in Oregon (TWR #89, Water Briefs: July 15, 2011)

Identifying Waters Protected by the Clean Water Act - Comment Period Extended (TWR #89, Water Briefs: July 15, 2011)

Clean Water Act Program Assumption Handbook for States and Tribes Released by ASWM & ECOS (TWR #91, Water Briefs: Sept. 15, 2011)

Tribal Interests, Instream Flows & Hydropower Licensing: Using the Licensing Process to Address Tribal Concerns by Mason Morisset (TWR #92: Oct. 15, 2011)

Dairy Manure Runoff Focus: CAFO(s) in Santa Ana Basin Face EPA Orders (TWR #92, Water Briefs: Oct. 15, 2011)

Polluted Waters List: 303(d) List Submitted by California (TWR #93, Water Briefs: Nov. 15, 2011)

[Toxic Pollutants Standards & Fish Consumption Rate: EPA Approves Oregon's CWA Revisions \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[CAFO\(s\) Report Proposal: Settlement Results in Operational Information Reports \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[Pesticides Use & NPDES Permitting: Pesticide Applications Near US Waters Brought Within NPDES Permitting Program by MacCurdy \(TWR #94: Dec. 15, 2011\)](#)

[Urban Water Quality: New EPA Planning Process - Prioritized Approach \(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[EPA Effluent Guidelines Program Plan Comment Period Extended \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[PCB TMDL Guidance Released by EPA \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[EPA Effluent Guidelines: Proposed Regulation of Shale Gas & Coalbed Methane Effluent by Campbell & Howe \(TWR #96: Feb. 15, 2012\)](#)

[Illegal Stream Fill Settlement in California: \\$500,000 in Restoration Stipulated \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[Draft 2010 Status of Water Quality in Arizona 305\(b\) Assessment and 303\(d\) Listing Report - Public Comments \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[LID Stormwater Retrofitting: Application to Residential Areas Around Puget Sound by Amalia Leighton \(TWR #97: March 15, 2012\)](#)

[Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey \(TWR #97: March 15, 2012\)](#)

[GAO Study on "Produced Water" Released \(Oil and Gas Production\) \(TWR #97, Water Briefs: March 15, 2012\)](#)

[Sackett v. EPA: U.S. Supreme Court Opens Door to Pre-Enforcement Review by Richard M. Glick \(TWR #98: April 15, 2012\)](#)

[Stormwater: Felony Violations of the Clean Water Act Lead to Large Fine & Possible Jail Time \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Blackfeet Tribe Granted Authority to Administer CWA Water Quality Standards Program \(TWR #100, Water Briefs: June 15, 2012\)](#)

[Integrated Municipal Stormwater and Wastewater Planning Approach Framework \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Overflow \(CSO\) Control Plans: Post-Construction Compliance Guidance Issued by EPA \(TWR #101, Water Briefs: July 15, 2012\)](#)

[CAFO Reporting Rules: EPA Withdrawal and Revisions \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Mine Stormwater - Clean Water Act Penalty & Settlement in Alaska \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Clean Water Act and Pollutant Total Maximum Daily Loads - Congressional Research Service Report to Congress \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Prison Sentence for Clean Water Act Violations in Washington \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[Nonpoint Source Guidelines & Grants Released by EPA for States & Territories \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Orphan Mine Sites: "Good Samaritans" Liability Clarified to Encourage Cleanup \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Stormwater Ruling from US Supreme Court - Transfer of Polluted Water Not "Discharge" Under CWA \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Low Impacts Permits - American Rivers' Guide to LID Permitting \(TWR #109, Water Briefs: March 15, 2013\)](#)

[Interior Released FEIS on Klamath River Dam Removal & New Management Plan Dispute \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Oil Spill Fine & EPA Enforcement of Clean Water Act: Spill Within Tribal Boundaries \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Mountain-Top Mining: EPA Post-Permit Veto Authority Upheld \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Water Quality Trading: An Update on Lawsuits and Legal Challenges by Teresa Jacobs and Priscilla Hampton \(TWR #112: June 15, 2013\)](#)

[WALMART Pleads Guilty to CWA, FIFRA, & RCRA Violations \(TWR #112, Water Briefs: June 15, 2013\)](#)

[Nutrient Trading & Water Quality by Susan Parker Bodine \(TWR #113: July 15, 2013\)](#)

[Joint Regional Agreement on Best Practices for Water Quality Trading in Idaho, Oregon and Washington \(TWR #113, Water Briefs: July 15, 2013\)](#)

[Water Pricing: Water Rates & the "New Normal" by Kristina Donnelly and Juliet Christian-Smith \(TWR #114: August 15, 2013\)](#)

[Citizen Suits Under Clean Water Act - "Diligent Prosecution" Bars Clarified by 9th Circuit \(*Knee Deep* Cited\)\(TWR #114, Water Briefs: August 15, 2013\)](#)

[Stormwater Cleanup: Proof for Liability in Clean Water Act Suit - Representative Locations in Pollution Monitoring \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

["Waters of the US" - Clean Water Act Jurisdiction Rule: Connectivity of Streams & Wetlands Report Released \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Proposed Reissuance of NPDES General Permit for Stormwater Discharges From Industrial Activities \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Columbia River Treaty Review: Update & Next Steps \(From the US Entity\) - Special to The Water Report \(TWR #117, Nov. 15, 2013\)](#)

[Reclamation Developing Directive & Standard for Non-Agricultural Discharges Into Facilities \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Water Quality Trading: USDA - EPA Partnership Expanded \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[TMDLs: Long-Term Vision for Assessment, Restoration, and Protection Under CWA Section 303\(d\) \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Supreme Court Stormwater Ruling: *Los Angeles Flood Control District v. NRDC* - A Strange and Meandering Case by Christopher Rich \(TWR #120: Feb. 15, 2014\)](#)

[An Assessment of Potential Mining Impacts on Salmon Ecosystems of Bristol Bay, Alaska: EPA Report \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Clean Water Act Enforcement: Oil Spill Fines & Restitution in Wyoming - Criminal Charges Pending \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[TMDL Report - GAO Recommends Changes: Nonpoint Source Regulation Included \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, \(TWR #122: April 15, 2014\)](#)

[Clean Water Act Jurisdiction - Proposed Rule Released \(TWR #122, Water Briefs: April 15, 2014\)](#)

[Colorado's Water Plan by Jayla Ryan Poppleton \(TWR #123: May 15, 2014\)](#)

- Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)
- "Waters of the US" Definition: Comment Period Open (TWR #123, Water Briefs: May 15, 2014)
- Fish Consumption Rates: Idaho DEQ Implementing Statewide Survey for Water Quality Criteria (TWR #123, Water Briefs: May 15, 2014)
- Cooling Water Intakes: EPA Standards Finalized (TWR #124, Water Briefs: June 15, 2014)
- Human Health Water Quality Criteria Updated by EPA (TWR #124, Water Briefs: June 15, 2014)
- Supreme Court Declines to Review Los Angeles Rivers Stormwater Runoff Case (TWR #124, Water Briefs: June 15, 2014)
- The Columbia River Treaty: September 16 Pivot Point for the Future of the Columbia River Basin by Eric Christensen (TWR #125: July 15, 2014)
- Northwest Water Quality Trading: Joint Recommendations in the Pacific Northwest by Sanneman, Cochran, Culliney, Furia, Power & Wigington (TWR #125: July 15, 2014)
- Waters of the U.S. Rule: EPA Clarification, Webinar & Extended Comment Period (TWR #125, Water Briefs: July 15, 2014)
- Clean Water Act Citizen Suit in Colorado - South Platte Pollution (TWR #125, Water Briefs: July 15, 2014)
- Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)
- Mining & Fisheries: EPA Proposal for Bristol Bay, Alaska (TWR #126, Water Briefs: Aug. 15, 2014)
- Dam Pollution Settlement: Oil Leakage at Columbia & Snake River Dams and the Clean Water Act (TWR #126, Water Briefs: Aug. 15, 2014)
- Sewage Discharges: CWA Settlement for East Bay Communities in California (TWR #126, Water Briefs: Aug. 15, 2014)
- Wetlands Settlement in California: CWA Violations/Penalties (TWR #127, Water Briefs: Sept. 15, 2014)
- Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)
- Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations (Congressional Research Service) by Claudia Copeland (TWR #128, Oct. 15, 2014)
- Stormwater Penalty: Hawaii Department of Transportation Agrees to Settlement for Violations (TWR #128, Water Briefs, Oct. 15, 2014)
- Tribal Settlement Concerning Drinking & Wastewater Systems Entered by The Omaha Tribe of Nebraska (TWR #128, Water Briefs, Oct. 15, 2014)
- Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)
- Drinking Water & Watershed Goals: CWA Toolkit for Water Managers Available (TWR #130: Water Briefs, Dec. 15, 2014)
- Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly (TWR #131: Jan. 15, 2015)
- Fracking Settlement-Fill Material Discharges: Civil Penalty and Restoration in Clean Water Act Case (TWR #131: Water Briefs, Jan. 15, 2015)

[Fish Consumption Rule & Toxics Standards Proposal for Washington \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Clean Water Act Rule Finalized: CWA Jurisdiction \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[Mining Violations & Clean Water Act Settlement in Idaho \(TWR #137: Water Briefs: July 15, 2015\)](#)

[Wastewater Discharge Fine in New Mexico: Proposed Penalties for CWA Violations \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

[Tribal Wastewater - Water Pollution Facility & Settlement Over CWA Violations by Tribal Utility \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Tribal CWA Authorization for Pueblo of Santa Ana in New Mexico \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Oil Spill Settlement to Resolve CWA Violations Announced in Wyoming \(TWR #138, Water Briefs: August 15, 2015\)](#)

[“Waters of the US” Definition: Preliminary Injunction Stops Application of New EPA/Army Corps Rule by David Moon \(TWR #139, Sept. 15, 2015\)](#)

[Fish Consumption Rate in Washington: EPA Proposes Human Health Criteria Rule \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Treatment as a State: Tribal Water Quality Authority Proposal for Streamlining \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Phase II MS4 Revision: Settlement Requires EPA to Revise Phase II MS4 Permit & Review Forest Road Runoff Regulation \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Delta Stormwater Settlement: Toxic Discharges Suit Under ESA & Clean Water Act \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[“Waters of the US” Clean Water Act Rule: Injunction Staying Implementation Limited to North Dakota Parties \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Oregon Forestry Sets Riparian Buffers for Temperature Requirements \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Fish Consumption Rule Drafted by Washington's Ecology: State v. Federal Clean Water Act Rules \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Forest Roads: EPA Considers Stormwater Discharge Requirements \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon \(TWR #143: January 15, 2016\)](#)

[Clean Watersheds Needs Survey Released by EPA \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Stormwater Agreement: Clean Water Act Violations by Salt Lake County Resolved in Utah \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Office of Inspector General's Report on EPA's Actions & Decision on Alaska's Bristol Bay Watershed \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Proposed Rule on Regulatory Procedures for Tribes to Obtain TAS for Impaired Water Listing & TMDL Program \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

[Nevada's 303\(d\) List Show Progress on Impaired Waterways \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher \(TWR #148: June 15, 2016\)](#)

[Clean Water Act Decision: Jurisdictional Determination Appealable Immediately \(TWR #148, Water Briefs: June 15, 2016\)](#)

[Stock Pond Permit Settlement: EPA & Landowners Settle Clean Water Act Lawsuit \(TWR #148, Water Briefs: June 15, 2016\)](#)

["Treatment As A State" - Clean Water Act Tribal Regulation: EPA's Revised Interpretation \(TWR #148, Water Briefs: June 15, 2016\)](#)

[CLEAN WATER RULE \(see also WATERS OF THE U.S.\):](#)

[Clean Water Act Rule Finalized: CWA Jurisdiction \(TWR #136, Water Briefs: June 15, 2015\)](#)

["Waters of the US" Clean Water Act Rule: Injunction Staying Implementation Limited to North Dakota Parties \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[CLEAN WATER STATE REVOLVING FUND:](#)

[Infrastructure Funds: EPA Newsletter & Website \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Clean Watersheds Needs Survey Released by EPA \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[CLEAR-CUTTING:](#)

[Marijuana & Water Use: Illegal Farms Impact Coho Salmon in Northern California & Southern Oregon \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[CLEAR STATEMENT RULE:](#)

[Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols \(TWR #128, Oct. 15, 2014\)](#)

[CLIMATE CHANGE \(see also Global Warming\):](#)

[Climate Change and Washington Water Law by David C. Moon \(TWR #18: August 15, 2005\)](#)

[New Mexico Climate Change Report Issued: Water Availability & Demand \(TWR #31, Water Briefs: Sept. 15, 2006\)](#)

[Allocation of Water: Congressional Budget Office Report \(TWR #32, Water Briefs: October 15, 2006\)](#)

Western States Water Update: Western States Water Council Meets in Montana by David C. Moon (TWR #44, Oct. 15, 2007)

Global Warming & Environmental Law: Climate Change and the ESA by Melanie J. Rowland (TWR #45, Nov. 15, 2007)

Climate Change: Final IPCC Report Released (Summary to Policymakers) (TWR #46, Water Briefs: December 15, 2007)

Water Cabinet Created in New Mexico (TWR #46, Water Briefs: December 15, 2007)

New Western Water Agenda: Opportunities for Action in an Era of Growth and Climate Change by MacDonnell & Fort (TWR #48: Feb. 15, 2008)

National Water Program Strategy: Response to Climate Change - EPA Seeks Comment to Draft (TWR #50, Water Briefs: April 15, 2008)

Salmon Protection in Northwest: Columbia/Snake River Latest BiOps Released (TWR #52, Water Briefs: June 15, 2008)

Climate Change & Agriculture Use: USDA Report (TWR #52, Water Briefs: June 15, 2008)

Climate Change and Water: IPCC Technical Paper VI by David Moon (TWR #56: October 15, 2008)

Water Management Alternatives: Incorporating "New" Water Management Methods at a Watershed Scale by Cat Shrier (TWR #56: October 15, 2008)

Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell (TWR #56: October 15, 2008)

Climate Change and Water: IPCC Technical Paper VI by David Moon (TWR #56: October 15, 2008)

NOAA Arctic Report Reveals Greater Warming & Domino Effect (TWR #57, Water Briefs: November 15, 2008)

EPA's National Water Program Strategy: Response to Climate Change Released (TWR #57, Water Briefs: November 15, 2008)

Climate Change: California Department of Water Resources White Paper (TWR #57, Water Briefs: November 15, 2008)

Climate Change and Water Resources Management: A Federal Perspective Report Released by Federal Agencies (TWR #60, Water Briefs: Feb. 15, 2009)

NOAA's Climate Prediction Center: La Niña and El Niño Alerts (TWR #60, Water Briefs: Feb. 15, 2009)

Water Planning & Uncertainty: Colorado Perspectives - An Update From the Colorado Water Congress' Annual Meeting by Shrier (TWR #61: March 15, 2009)

Oregon Water Demand Forecasting: A Transparent & Flexible Tool for State Water Needs Assessment by Igloria and Graham (TWR #62: April 15, 2009)

Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro (TWR #63: May 15, 2009)

Urban Runoff Reuse: Climate Change Measure Proposed in California (Hearing June 17) (TWR #64, Water Briefs: June 15, 2009)

Regional U.S. Impacts of Global Climate Change: Federal Report Provides Assessment of National & Regional Impacts (TWR #65, Water Briefs: July 15, 2009)

[Integrated Water-Energy Planning: Major Nationwide Dialogue Underway by Shrier, Hightower & Johnson \(TWR #66: August 15, 2009\)](#)

[Climate Change: Dept. of the Interior Strategy/Order \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[EPA Climate Work Group for Water Utilities \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[Climate Modeling & Planning: Water Utility Climate Alliance Paper \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[New Era of Interbasin Water Transfers by Barbara Cosens \(TWR #72: Feb. 15, 2010\)](#)

[Climate Change Information: NOAA Climate Service Website \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Water Utility Climate Alliance White Paper Released on Climate Modeling \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Climate Change Impacts: Water Climate Forum Brings Int'l Insights to US Adaptation Strategies by Erica Brown \(TWR #76: June 15, 2010\)](#)

[Western Governors Association 2010 Meeting: Water Resolutions \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Climate Change and Water Shortages: TETRA TECH / NRDC Report \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Climate Response: EPA Toolbox for Water Utilities \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[California Drought Contingency Plan \(Draft\) - Climate Change Impacts \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak \(TWR #81: November 15, 2010\)](#)

[Nebraska's Evolving Water Law: Challenges & Opportunities - Part II by Mary E. Kelly \(TWR #82: Dec. 15, 2010\)](#)

[Bureau of Reclamation Update: Interview with Reclamation Commissioner Mike Connor by David Moon \(TWR #82: Dec. 15, 2010\)](#)

[Water Demand Assessment: Western Governors' Association \(Transfers, Energy, ESA & Climate Change\) \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Climate Change Needs: Research for Long-Term Planning - Report Issued by Corps & Reclamation \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Climate & Utilities: EPA Vulnerability Assessments Final Report \(Case Studies of Water Utility Practices\) \(TWR #86, Water Briefs: April 15, 2011\)](#)

[Sustainable Water Use: Invisioning a Sustainable Water Future for the American West by Barton "Buzz" Thompson \(TWR #87: May 15, 2011\)](#)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[*Colorado River Basin Supply & Demand Study* by Carly Jerla, Terry Fulp, and Pam Adams \(TWR #90: August 15, 2010\)](#)

[Reclamation's WaterSMART Program: Working to Meet Future Water & Energy Demands by Avra Morgan \(TWR #92: Oct. 15, 2011\)](#)

[Draft Columbia River Basin Long-Term Water Supply and Demand Forecast Released by Ecology \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Water Related Impacts of Climate Change: Report Released by Natural Resources Defense Council \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Climate Change & San Francisco Bay Watershed: Watershed Impacts for the Coming Century-Edited/Condensed from: James Cloern \(TWR #94: Dec. 15, 2011\)](#)

Extreme Weather & Climate Change: New IPCC Report (TWR #94, Water Briefs: Dec. 15, 2011)

Climate Change Strategy - Draft Proposed by Obama Administration (TWR #96, Water Briefs: Feb. 15, 2012)

Municipal Water Resources & Regional Planning: The Prairie Waters Project - Aurora, Colorado by Lisa Darling (TWR #98: April 15, 2012)

Adaptation Strategies Guide for Water Utilities Released by EPA (TWR #98, Water Briefs: April 15, 2012)

Western States' Water Planning: The Best Laid Plans - Water Planning in Uncertain Times by Janet Neuman (TWR #99: May 15, 2012)

The Columbia River, Basin, and Treaty: Upcoming Treaty Date is Focussing Basin Water Management Issues by Stan Miller (TWR #101: July 15, 2012)

Water Availability Study by USGS: Climate Change Impact in 14 Basins (TWR #101, Water Briefs: July 15, 2012)

NEPA Litigation Guide - Second Edition Released (TWR #101, Water Briefs: July 15, 2012)

Groundwater Reserves Proposal: Study Released on Water Supply & Climate Change for California (TWR #103, Water Briefs: Sept. 15, 2012)

Water and Climate in the Pacific Northwest White Paper (TWR #104, Water Briefs: Oct. 15, 2012)

Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity (TWR #106: Dec. 15, 2012)

Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson (TWR #106: Dec. 15, 2012)

"National Water Program 2012 Strategy: Response to Climate Change" Released by EPA (TWR #107, Water Briefs: January 15, 2013)

Yakima Water Plan: The Other Side of the Story by Evans, Forsgaard, Maykut & Packard (TWR #108: Feb. 15, 2013)

Author's Reply (Yakima Water Plan) by Steve Malloch and Michael Garrity (TWR #108: Feb. 15, 2013)

National Climate Assessment Draft Released by Federal Advisory Committee: "Firmly in the Present" (TWR #108, Water Briefs: Feb. 15, 2013)

Climate Resilience Evaluation and Awareness Tool (CREAT) - EPA Update Available (TWR #108, Water Briefs: Feb. 15, 2013)

Extreme Events Workshop Planner - EPA's Climate Ready Water Utilities Initiative (TWR #109, Water Briefs: March 15, 2013)

Climate Change Science Update: "Our Changing Climate: An Update on the Science" - A Presentation of Dr. Donald Wuebbles (TWR #112: June 15, 2013)

Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)

Water Pricing: Water Rates & the "New Normal" by Kristina Donnelly and Juliet Christian-Smith (TWR #114: August 15, 2013)

Colorado River Management & Drought: Lake Powell Releases to be Lowered Significantly by David Moon, Editor (TWR #115: Sept. 15, 2013)

Columbia River Treaty Update: Draft Regional Recommendation Released (TWR #116: Oct. 15, 2013)

Groundwater Workplan Concept Paper Discussion Draft Released by State Water Resources Control Board (TWR #117, Water Briefs: Nov. 15, 2013)

[Watershed Modeling - Climate Change & Urban Development Study Released by EPA \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Draft Climate Change Adaptation Implementation Plans Released by EPA for Comment \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson \(TWR #118, Dec. 15, 2013\)](#)

[Northwest Climate Assessment Report Released by Oregon Climate Change Research Institute \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[GAO Report on Fed Agency Actions: Climate Change on Water Infrastructure \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Climate Change & Public Trust Doctrine - Climate Change, Public Trust Doctrines & *PPL Montana* by Robin Kundis Craig \(TWR #120: Feb. 15, 2014\)](#)

[Rio Grande Water: Upper & Lower Basin Studies Released by Reclamation \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[National Stormwater Calculator and Climate Assessment Tool - Phase II Released by EPA \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Stormwater Final Rule Published by EPA: Construction & Development \(TWR #122, Water Briefs: April 15, 2014\)](#)

["Assessment of Groundwater Level Trends across the United States" Published by Columbia Water Center \(TWR #122, Water Briefs: April 15, 2014\)](#)

[Colorado's Water Plan by Jayla Ryan Poppleton \(TWR #123: May 15, 2014\)](#)

[EPA Strategic Plan for 2014-2018 Issued: Climate Change Emphasis \(TWR #123, Water Briefs: May 15, 2014\)](#)

[National Climate Assessment Released \(TWR #124, Water Briefs: June 15, 2014\)](#)

[USGS Unveils National Climate Change Viewer \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Freshwater Supply Report Released by GAO \(TWR #124, Water Briefs: June 15, 2014\)](#)

[The Columbia River Treaty: September 16 Pivot Point for the Future of the Columbia River Basin by Eric Christensen \(TWR #125: July 15, 2014\)](#)

["Water/Wastewater Utilities and Extreme Climate and Weather Events" - Report Released \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer \(TWR #127: Sept. 15, 2014\)](#)

[Intergovernmental Panel on Climate Change \(IPCC\) 5th Synthesis Report \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Water Utilities Training & Technical Assistance From EPA - Climate Change Resilience & Readiness \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\) Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson \(TWR #132: Feb. 15, 2015\)](#)

[Ongoing Drought in the Southwest and Central Plains: Climate Change Megadrought Predicted \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

["Affordability of National Flood Insurance Program Premiums," Report 1 Released by National Research Council \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

["Climate Change in the United States: Benefits of Global Action" EPA Report \(TWR #137, Water Briefs: July 15, 2015\)](#)

["California Climate & Science Data for Water Resources Management" Released by CDWR \(TWR #137, Water Briefs: July 15, 2015\)](#)

[River Basin Studies Announced by Reclamation: Imbalance of Supply, Needs & Demands \(TWR #137, Water Briefs: July 15, 2015\)](#)

[The Wyoming Water and Climate Web Atlas Released \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin \(TWR #139, Sept. 15, 2015\)](#)

[Drought Resiliency - Projects Selected by Reclamation \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley \(TWR #140: Oct. 15, 2015\)](#)

[Santa Fe Basin in New Mexico: Reclamation Study Projects Water Shortfall \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Setting Measurable Objectives to Achieve Sustainable Groundwater Management in California \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Water & Power: Reclamation Science & Technology Development Projects \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[EPA's "Managing Water Quality in the Face of Uncertainty" Report & "Addressing Climate Change in the Water Sector" Website \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Transboundary Cooperation in the International Columbia River Basin: A Preliminary Assessment of Existing Arrangements & Future Prospects \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug \(TWR #143: January 15, 2016\)](#)

[Climate Change Report on Oregon's Willamette Valley: Reclamation Reservoirs Buffer Impacts \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Reservoir Evaporation Losses in the West Studied \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Clean Watersheds Needs Survey Released by EPA (TWR #144, Water Briefs: Feb. 15, 2016)

USFS Releases Effects of Drought on Forest and Rangelands in the United States: A Comprehensive Science Synthesis (TWR #144, Water Briefs: Feb. 15, 2016) Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

2015 Highlights of Progress: Responses to Climate Change Released by EPA's National Water Program (TWR #146, Water Briefs: April 15, 2016)

Columbia Basin Salmon BiOp Rejected by Federal Court: Fed Plan Invalidated for Fifth Time - ESA & NEPA Violated (TWR #146, Water Briefs: April 15, 2016)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

USGS Report on the Colorado River's Source: Importance of Groundwater As Base Flow (TWR #148, Water Briefs: June 15, 2016)

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CLOSED BASIN or CLOSURES:

Tribal Water Rights: Quantification Sought in Washington (TWR #96, Water Briefs: Feb. 15, 2012)

Water Legislation in Kansas : "Use It or Lose It" - Abandonment and Multi-Year Groundwater Flex Accounts (TWR #97, Water Briefs: March 15, 2012)

Local Land Use Decisions & Water Supply Considerations: New Rules from the Washington Supreme Court by Dave Monthie (TWR #102: August 15, 2012)

Northwest Water Banking: Meeting Instream and Out of Stream Water Needs in the Pacific Northwest by Cronin & Fowler (TWR #102: August 15, 2012)

Bay Delta Deliveries: Reduced Pumping & Endangered Species Act Issues (TWR #109, Water Briefs: March 15, 2013)

Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)

New Mexico's Exempt Wells Decision & Protection for Senior Water Users by David Moon (TWR #114: August 15, 2013)

Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon (TWR #118, Dec. 15, 2013)

Stream Flow Enhancement/Groundwater Mitigation in Washington - Stormwater Capture & Groundwater Recharge (TWR #120, Water Briefs: Feb. 15, 2014)

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug

(TWR #143: January 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

CLOSED CYCLE SYSTEMS:

Cooling Water Intakes: EPA Standards Finalized (TWR #124, Water Briefs: June 15, 2014)

CLOSURE LETTER:

Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder (TWR #139, Sept. 15, 2015)

CLOUD SEEDING:

Water Management Alternatives: Incorporating "New" Water Management Methods at a Watershed Scale by Cat Shrier (TWR #56: October 15, 2008)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

COAL ASH:

EPA Enforcement and Compliance Report for 2015 Released (TWR #143, Water Briefs: Jan. 15, 2016)

COALBED METHANE:

Coalbed Methane Extraction: Newfound Impacts and Water Quality Mitigation by Tom Darin (TWR #3: May 15, 2004)

Coalbed Methane General Permit Held Illegal in Wyoming (TWR #12, Water Briefs: Feb. 15, 2005)

Coalbed Methane Interstate Dispute Between Montana and Wyoming (TWR #26, Water Briefs: April 15, 2006)

Interstate Water Quality: Coalbed Methane Conflict Between Wyoming and Montana (TWR #27, Water Briefs: May 15, 2006)

[Coalbed Methane: Water Right Permits Required in Colorado \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Western States Water Update: Western States Water Council Meets in Montana by David C. Moon \(TWR #44, Oct. 15, 2007\)](#)

[Coalbed Methane: Montana's Anti-Degradation & Numeric Standards \(TWR #45, Water Briefs: Nov. 15, 2007\)](#)

[State Coalbed Methane Standards: EPA Approves Montana Standards - Interstate Dispute Affected by David C. Moon \(TWR #49: March 15, 2008\)](#)

[Coalbed Methane Water Case Dismissed and Appealed in Wyoming \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Montana v. Wyoming: U.S. Supreme Court to Hear Yellowstone Compact Case by Karen Budd-Falen \(TWR #57: November 15, 2008\)](#)

[Coalbed Methane Decision: "Beneficial Use" and Well Permit Required - Ranchers' Senior Water Rights Protected by David Moon \(TWR #63: May 15, 2009\)](#)

[Yellowstone River Compact: Montana v. Wyoming-Special Master Rules on Water Rights Issues & Denies Motion to Dismiss by Moon \(TWR #65: July 15, 2009\)](#)

[Produced Water & Regulatory Structure: Colorado Struggles with Coalbed Methane Jurisdiction & Control by Michelle Henrie \(TWR #69: Nov. 15, 2009\)](#)

[Ambient Water Quality Criteria for Ammonia - Freshwater: EPA Draft Update \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Montana Reports Released on Coalbed Methane and Exempt Wells \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Coalbed Methane Produced Groundwater: A Survey of Western Water Law Regulation by Sarah A. Klahn & Jack Tuholske \(TWR #77: July 15, 2010\)](#)

[EPA Complaint Filed: Emergency Order Enforcement in Texas \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Natural Gas Wastewater: Coalbed Methane & Shale Discharges - EPA Standards Development \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[EPA Effluent Guidelines Program Plan Comment Period Extended \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[EPA Effluent Guidelines: Proposed Regulation of Shale Gas & Coalbed Methane Effluent by Campbell & Howe \(TWR #96: Feb. 15, 2012\)](#)

[Yellowstone River Compact Decision: Special Master Ruling in Montana v. Wyoming by David Moon \(TWR #132: Feb. 15, 2015\)](#)

[Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues \(TWR #145, Water Briefs: March 15, 2016\)](#)

COAL TAR SEALANT:

[Lake Pollution from Coal Tar Sealant: Largest Source of Polycyclic Aromatic Hydrocarbons \(PAHs\) - \(USGS Report\) \(TWR #82, Water Briefs: Dec. 15, 2010\)](#)

COAL TERMINAL:

[Tribal Fishing Rights Lead to Coal Terminal Rejection by the Corps of Engineers \(TWR #148, Water Briefs: June 15, 2016\)](#)

COASTAL WATERS:

[2015 Highlights of Progress: Responses to Climate Change Released by EPA's National Water Program \(TWR #146, Water Briefs: April 15, 2016\)](#)

COASTAL ZONE MANAGEMENT ACT:

[Tribal Interests, Instream Flows & Hydropower Licensing: Using the Licensing Process to Address Tribal Concerns by Mason Morisset \(TWR #92: Oct. 15, 2011\)](#)

COERCIVE LANGUAGE:

[Curtailment Support in California - Court Ruling in State's Favor on Enforcement \(TWR #138, Water Briefs: August 15, 2015\)](#)

COLLABORATION VALUE:

[Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

COLLABORATIVE CAPACITY:

[Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner \(TWR #132: Feb. 15, 2015\)](#)

COLLECTION SYSTEM:

[Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi \(TWR #138, August 15, 2015\)](#)

COLORADO RIVER BASIN:

[Bennett Raley, Assistant Secretary of the Interior - Interview by David Moon \(TWR #7: Sept. 15, 2004\)](#)

[Aquifer Storage Recovery: Expanding Possibilities in the Western United States by Cat Shrier \(TWR #8: Oct. 15, 2004\)](#)

[Arizona Water Settlement Approved by Congress \(TWR #10, Water Briefs: Dec. 15, 2004\)](#)

[Colorado River 2005 Operating Plan Released \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Law of the Rio Grande \(Report from the 6th Annual Conference\) by David Moon, Editor \(TWR #13: March 15, 2005\)](#)

[The Colorado River - Has It Run Out of Water? by Lawrence J. MacDonnell \(TWR #16: June 15, 2005\)](#)

[Interstate Water Banking: Evolving Colorado River System Agreement by James H. Davenport \(TWR #17: July 15, 2005\)](#)

[Water Shortage: Lake Powell and Lake Mead Management \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Colorado River USGS Report: Management Impacts of Glen Canyon Dam Operations \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[Colorado River Program: "Intentionally Created Surplus" \(TWR #29, Water Briefs: July 15, 2006\)](#)

[All-American Canal Lining Halted: 9th Circuit Injunction \(TWR #31, Water Briefs: Sept. 15, 2006\)](#)

[Phoenix Water Planning: Water Resources Plan - The 2005 Update by Tom Buschatzke \(TWR #32: October 15, 2006\)](#)

[The Colorado River: New Operational Guidelines for Lake Powell and Lake Mead by Fulp, Yoder & Blatchford \(TWR #33: Nov. 15, 2006\)](#)

[New Reservoir Approved for Colorado River Water \(Bureau of Reclamation\) \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs \(TWR #36, February 15, 2007\)](#)

[Laws of the Rivers: Compendium for Major Interstate Rivers \(TWR #37: March 15, 2007\)](#)

[Colorado River Agreement & Southern California Water by William Hasencamp \(TWR #39: May 15, 2007\)](#)

[Colorado River Basin Agreement \(Editor's Addendum\) \(TWR #39: May 15, 2007\)](#)

[Interstate Water Allocation by Christopher H. Meyer, Givens Pursley LLP \(Boise, Idaho\) \(TWR #42: August 15, 2007\)](#)

["Post-Appropriation" Water Management: Colorado's Water for the 21st Century Act by George Sibley \(Gunnison, CO\)\(TWR #42, August 15, 2007\)](#)

[Colorado River Shortages: Reclamation Preferred Alternative \(TWR #42, Water Briefs: August 15, 2007\)](#)

[New Perchlorate Rule in California: Maximum Contaminant Level \(TWR #44, Water Briefs: Oct. 15, 2007\)](#)

[Colorado River Record of Decision Signed - Agreement on Shortage Criteria and Innovative Strategies \(TWR #47, Water Briefs: January 15, 2008\)](#)

[Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer \(TWR #50: April 15, 2008\)](#)

[Agricultural Water to Municipal Use: The Legal and Institutional Context for Voluntary Transactions in Arizona by Eden, Glennon, Ker, Libecap, Megdal & Taylor Shipman \(TWR #58: December 15, 2008\)](#)

[California Water Supply: Challenges and Solutions by Dr. Cat Shrier \(TWR #59: Jan. 15, 2009\)](#)

[Water Planning & Uncertainty: Colorado Perspectives - An Update From the Colorado Water Congress' Annual Meeting by Shrier \(TWR #61: March 15, 2009\)](#)

[Litigation on the Colorado River: Conflicts in Search of Solutions by Michael Gheleta \(TWR #67: September 15, 2009\)](#)

River Basin Studies: Reclamation Program (TWR #68, Water Briefs: Oct. 15, 2009)

Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith (TWR #69: Nov. 15, 2009)

Colorado River Flows: Grand Canyon Experiment by Dept. of Interior (TWR #71, Water Briefs: Jan. 15, 2010)

Colorado River: Quantification Settlement Agreement Invalidated (TWR #72, Water Briefs: Feb. 15, 2010)

Yuma Desalting Plant Pilot Program Started/ DROP 2 Storage Reservoir Celebration (TWR #75, Water Briefs: May 15, 2010)

Tribal Water Rights: Current Issues & Relevant Background by Robert T. Anderson (TWR #77: July 15, 2010)

Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak (TWR #81: November 15, 2010)

Bureau of Reclamation Update: Interview with Reclamation Commissioner Mike Connor by David Moon (TWR #82: Dec. 15, 2010)

US - Mexico Agreement: Colorado River Water Deliveries (TWR #83, Water Briefs: Jan. 15, 2011)

Yuma Desalting Plant: Reclamation Completes Pilot Run (TWR #86, Water Briefs: April 15, 2011)

Tribal Water Rights and the Colorado River Reallocation Through Forbearance Agreements by Mason D. Morisset (TWR #87: May 15, 2011)

Water Sharing Strategies for Ag/Urban/Enviro in the West: Western States Council Report with CSU's Water Institute (TWR #87, Water Briefs: May 15, 2011)

Multi-Sector Water Sharing (Agricultural-Urban-Environmental): Innovative Strategies for the Colorado River Basin & the West by Smith (TWR #88: June 15, 2011)

Porosity Storage Reservoirs: A 21st Century Solution for Water Storage by Matt Metcalf & William H. Fronczak (TWR #89: July 15, 2011)

Colorado River Basin Supply & Demand Study by Carly Jerla, Terry Fulp, and Pam Adams (TWR #90: August 15, 2010)

Reclamation's WaterSMART Program: Working to Meet Future Water & Energy Demands by Avra Morgan (TWR #92: Oct. 15, 2011)

Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses by Drew Beckwith (TWR #93: Nov. 15, 2011)

Colorado Basin Water: Demand & Supply Assessment by Reclamation - Phase 4 Initiated (TWR #94, Water Briefs: Dec. 15, 2011)

Tribal Water Rights Settlement Funding Announced-Soboba of Luiseño Indians Settlement Act (\$21 Million in California)(TWR #94, Water Briefs: Dec. 15, 2011)

Colorado River Basin Irrigation: The Future of Irrigation Organizations in the Colorado River Basin by Dr. Ron Griffin and Mary Kelly (TWR #95: Jan. 15, 2012)

Nuclear Power Water Right Change Applications Approved in Utah (TWR #96, Water Briefs: Feb. 15, 2012)

Colorado River Basin Water Supply & Demand Study: Resolving Water Supply & Demand Imbalances (TWR #98, Water Briefs: April 15, 2012)

Colorado Basin Study - Basin Water Supply & Demand Study Update by Carly Jerla, James Prairie, & Pam Adams (TWR #100: June 15, 2012)

Glen Canyon Dam: Colorado River Basin States Propose Alternative for Management Plan (TWR #102, Water Briefs: August 15, 2012)

[Arizona Groundwater Management by Sharon B. Megdal \(TWR #104: Oct. 15, 2012\)](#)

[Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson \(TWR #106: Dec. 15, 2012\)](#)

[Colorado River Management: Planning, Agreeing & Acting by Ted Kowalski \(TWR #107: January 15, 2013\)](#)

[The Colorado River Basin Water Supply and Demand Study Released by Reclamation \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Tribal Claims to the Colorado River by Ryan Smith \(TWR #109: March 15, 2013\)](#)

[Southern Nevada Water Authority Article: Low Winter Flows in the Colorado River & Projected Shortages \(TWR #111, Water Briefs: May 15, 2013\)](#)

[The "Fill Mead First" Proposal: Potential Legal Issues Under the Law of the River by Lawrence J. MacDonnell \(TWR #112: June 15, 2013\)](#)

[Colorado River Diversion for the Salton Sea: Reclamation Requests Payback from Imperial Valley Irrigation District \(TWR #112, Water Briefs: June 15, 2013\)](#)

[Agricultural Conservation Report: *Water to Supply the Land: Irrigated Agriculture in the Colorado River Basin* \(TWR #112, Water Briefs: June 15, 2013\)](#)

[The Southern Delivery System - Getting to the Finish Line: Planning, Permitting & Constructing by John A. Fredell \(TWR #113: July 15, 2013\)](#)

[Colorado River Management & Drought: Lake Powell Releases to be Lowered Significantly by David Moon, Editor \(TWR #115: Sept. 15, 2013\)](#)

[Tribal Water Study: Reclamation & the Colorado River Basin Tribes Partnership \(Ten Tribes Partnership\) \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Arizona v. California Digital Collection Debuted at William A. Wise Law Library \(CU\) \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service \(TWR #118, Dec. 15, 2013\)](#)

[Regional Water Management Cooperation: Study Compares Four Cases in the West by Nathaniel Delano and Sharon B. Megdal \(TWR #121: March 15, 2014\)](#)

[Water Rates Ruling in California: Colorado River Aqueduct Overcharges \(TWR #121, Water Briefs: March 15, 2014\)](#)

[Colorado's Water Plan by Jayla Ryan Poppleton \(TWR #123: May 15, 2014\)](#)

[Aquifer Recharge - Water Banking Paper by Arizona WRRC \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Colorado River Basin Studies Released: Tribal Non-Consumptive Water Uses and Research Needs in the Basin \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Rivers and Carbon - USGS Study \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Groundwater Threat: Colorado River Basin Groundwater Use Report by NASA and UC Irvine \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Conservation Plan: Colorado River System Conservation Program Agreement \(Reclamation & Municipal Water\)\(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer \(TWR #127: Sept. 15, 2014\)](#)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Lake Powell Releases: Water to Lake Mead Increased for Water Year 2015 (TWR #127, Water Briefs: Sept. 15, 2014)

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

Groups Appeal Water Rights Decision for Nuclear Reactor Project (Speculation, Availability & Stream Environment) (TWR #128, Water Briefs, Oct. 15, 2014)

Columbia River Treaty Options: Protocols for Transboundary Adaptive Management Examined by Bankes & Cosens (TWR #129: Nov. 15, 2014)

Colorado River Research Group Forms & Releases Summary Report (TWR #130: Water Briefs, Dec. 15, 2014)

Water in the West Course: Colorado River Case Study (TWR #130: Water Briefs, Dec. 15, 2014)

The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt (TWR #134: April 15, 2015)

The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon (TWR #134: April 15, 2015)

Water Purchases: Metropolitan Water District's Board Authorizes \$71 Million for Ag Water Transfers & Promotes Conservation (TWR #134, Water Briefs: April 15, 2015)

Crude Oil-By-Rail & the Endangered Species Act: Coming Soon to Train Tracks Near You? by Kristen L. Boyles (TWR #136: June 15, 2015)

Urban Water Conservation in Southern California: Encouraging Conservation Through Tradeable Allocations & Market Mechanisms by Bond, Motlow, Steely, Wang & Libecap (TWR #136: June 15, 2015)

Colorado River *Moving Forward Phase 1 Report* Released by Reclamation & Stakeholders (TWR #136, Water Briefs: June 15, 2015)

Water Banking & Storage Agreement Between SNWA and MWD Supplements California Supplies During Drought (TWR #140, Water Briefs: Oct. 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

Water Plan Released in Colorado: Water Supply Strategies (TWR #142, Water Briefs: Dec. 15, 2015)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Utah Navajo Water Rights Settlement Agreement Approved by Navajo Nation Council (TWR #144, Water Briefs: Feb. 15, 2016)

Improving the Federal Response to Drought: Five Areas for Reform - PPIC Water Policy Center Report (TWR #144, Water Briefs: Feb. 15, 2016)

Tribal Groundwater Case: Water Districts' Equitable Defenses Denied (TWR #145, Water Briefs: March 15, 2016)

Prioritizing Management & Protection of the Colorado River's Environmental Resources - Colorado River Research Group (TWR #145, Water Briefs: March 15, 2016)

Metropolitan Water District of Southern California Found Liable for \$8.9 Million in Attorney's Fees in Rate Case (TWR #146, Water Briefs: April 15, 2016)

"Hydropeaking" Flows Study: Devastating Impacts on Aquatic Insects (TWR #146, Water Briefs: April 15, 2016)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

Liquid Assets: Investing for Impact in the Colorado Basin - Investment Blueprint Released (TWR #146, Water Briefs: April 15, 2016)

USGS Report on the Colorado River's Source: Importance of Groundwater As Base Flow (TWR #148, Water Briefs: June 15, 2016)

COLORADO WATER LAW and WATER QUALITY:

Colorado Groundwater by David Harrison (TWR #6: August 15, 2004)

Colorado McCarran Amendment Ruling by David C. Moon (TWR #10: Dec. 15, 2004)

Water Supply Initiative in Colorado (TWR #10, Water Briefs: Dec. 15, 2004)

Colorado Water Law Decision (TWR #12, Water Briefs: Feb. 15, 2005)

Colorado Recreational In-Channel Diversions by David C. Moon (TWR #14: April 15, 2005)

Speculation in Water Rights: Transfer Decisions by the Colorado Supreme Court and Special Status for Municipalities by Moon (TWR #20: October 15, 2005)

Instream Flows in Colorado: Transfers and Injury - Protections for Junior Rights (TWR #23, Water Briefs: Jan. 15, 2006)

Groundwater Augmentation: Conjunctive Use Decision by Colorado Supreme Court (TWR #29, Water Briefs: July 15, 2006)

Colorado Whitewater Courses and Water Rights by Kenneth W. Knox (TWR #30: August 15, 2006)

Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs (TWR #36, February 15, 2007)

Ground Water and Surface Water Regulation: Colorado Decision (TWR #35, Water Briefs: January 15, 2007)

Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs (TWR #36, February 15, 2007)

Transfer of Water Rights Standard: "No Injury Rule" and Water Quality Impacts (TWR #37, Water Briefs: March 15, 2007)

"Post-Appropriation" Water Management: Colorado's Water for the 21st Century Act by George Sibley (TWR #42, August 15, 2007)

Water Storage Purchase by State of Colorado for Fishing & Recreation (TWR #41, Water Briefs: July 15, 2007)

Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering (TWR #43, Sept. 15, 2007)

Coalbed Methane: Water Right Permits Required in Colorado (TWR #43, Water Briefs: Sept. 15, 2007)

Anti-Speculation Doctrine: Water Supply Planning Decision in Colorado (TWR #45, Water Briefs: Nov. 15, 2007)

[Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer \(TWR #50: April 15, 2008\)](#)

[Healthy Rivers Act: Instream Flows in Colorado \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell \(TWR #56: October 15, 2008\)](#)

[Groundwater and Water Availability: Colorado Decision on Exempt Wells and the No Injury Rule \(TWR #59, Water Briefs: Jan. 15, 2009\)](#)

[Ground Water Availability & The No Injury Rule: Domestic Well Owners Protected in Colorado by David Moon \(TWR #60: Feb. 15, 2009\)](#)

[Peripheral Canal Push in California: Governor's Panel and TNC Report \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Instream Agreement Signed for Black Canyon of the Gunnison \(National Park\) \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Pitkin County Instream Water Rights Agreement: Colorado Water Trust and Colorado Water Conservation Board Effort \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Water Planning & Uncertainty: Colorado Perspectives - An Update From the Colorado Water Congress' Annual Meeting by Shrier \(TWR #61: March 15, 2009\)](#)

[Water Court Rules Revised in Colorado: Expert Witness Rules \(TWR #61, Water Briefs: March 15, 2009\)](#)

[Adverse Possession, Abandonment & Beneficial Use: Colorado Supreme Court Decision \(TWR #61, Water Briefs: March 15, 2009\)](#)

[Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro \(TWR #63: May 15, 2009\)](#)

[Coalbed Methane Decision: "Beneficial Use" and Well Permit Required - Ranchers' Senior Water Rights Protected by David Moon \(TWR #63: May 15, 2009\)](#)

[Instream Flow Tax Credit Incentive Passed in Colorado \(TWR #64, Water Briefs: June 15, 2009\)](#)

[Rainwater Collection in Colorado: New Laws Allow Pilot Project \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Integrated Water-Energy Planning: Major Nationwide Dialogue Underway by Shrier, Hightower & Johnson \(TWR #66: August 15, 2009\)](#)

[The Colorado Water Trust: Western Water Trusts & the Colorado Experience by Amy W. Beatie \(TWR #66: August 15, 2009\)](#)

[Litigation on the Colorado River: Conflicts in Search of Solutions by Michael Gheleta \(TWR #67: September 15, 2009\)](#)

[Kansas v. Colorado - Arkansas River Interstate Settlement Agreement on Final Technical Issues \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[The Republican River Compact: Conflict & Arbitration by Justin D. Lavene and Marcus A. Powers \(TWR #68: Oct. 15, 2009\)](#)

[Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith \(TWR #69: Nov. 15, 2009\)](#)

[Produced Water & Regulatory Structure: Colorado Struggles with Coalbed Methane Jurisdiction & Control by Michelle Henrie \(TWR #69: Nov. 15, 2009\)](#)

["Reasonably Necessary" Water Supply Case in Colorado: Planning Period, Burden of Proof & "Speculative" Flows \(TWR #69, Water Briefs: Nov.](#)

15, 2009)

Well Augmentation: Conjunctive Use Decision in Colorado (TWR #70, Water Briefs: Dec. 15, 2009)

Clean Water Act Enforcement in Colorado: River/Wetlands Damage Agreement (TWR #70, Water Briefs: Dec. 15, 2009)

Instream Flows in Colorado: Trust Agreement Approved for Pitkin County (TWR #70, Water Briefs: Dec. 15, 2009)

Medicines Take-Back: Denver METRO Disposal Program (TWR #71, Water Briefs: Jan. 15, 2010)

Water Conservation Legislation in Colorado (TWR #75, Water Briefs: May 15, 2010)

Coalbed Methane Produced Groundwater: A Survey of Western Water Law Regulation by Sarah A. Klahn & Jack Tuholske (TWR #77: July 15, 2010)

South Platte Well Crisis, 2002-2010: Evolving Alluvial Groundwater Regulation by P. Andrew Jones (TWR #78: Aug. 15, 2010)

Small Hydroelectric Agreement - Colorado & FERC Enter Into MOU (TWR #79, Water Briefs: Sept. 15, 2010)

Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak (TWR #81: November 15, 2010)

Republican River Compact - Arbitrator's Ruling (TWR #81, Water Briefs: Nov. 15, 2010)

Clean Water Act Enforcement - Gravel Mining Impacts Wetlands in Colorado (TWR #81, Water Briefs: Nov. 15, 2010)

Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde (TWR #83: Jan. 15, 2011)

Speculation in Water Rights (Colorado): Public Utilities and Trout Unlimited Agreement Reached (TWR #83, Water Briefs: Jan. 15, 2011)

Water Supply Issues in Colorado: Shift from Agricultural Uses, Water Transfers & Municipal Needs-SWSI Report (TWR #84, Water Briefs: Feb. 15, 2011)

River Access Disputes in Colorado: Task Force Final Report (TWR #84, Water Briefs: Feb. 15, 2011)

Water Right Purchases in Nebraska: Platte River Enhancement (TWR #85, Water Briefs: March 15, 2011)

Conjunctive Use Decisions: Applying the Prior Appropriation Doctrine to Groundwater Use by David Moon (TWR #86: April 15, 2011)

Anti-Speculation Decision in Colorado: Need & Speculative Sales (TWR #87, Water Briefs: May 15, 2011)

Water Sharing Strategies for Ag/Urban/Enviro in the West: Western States Council Report with CSU's Water Institute (TWR #87, Water Briefs: May 15, 2011)

Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates (TWR #88: June 15, 2011)

Ag to Urban Transfer: No Injury Rule & Historical Use (Colorado Decision) (TWR #88, Water Briefs: June 15, 2011)

Colorado River Basin Supply & Demand Study by Carly Jerla, Terry Fulp, and Pam Adams (TWR #90: August 15, 2010)

Colorado River Basin Irrigation: The Future of Irrigation Organizations in the Colorado River Basin by Dr. Ron Griffin and Mary Kelly (TWR #95: Jan.

15, 2012)

Rotational Agreement Held Not a Change in Water Rights by Colorado Supreme Court (TWR #95, Water Briefs: Jan. 15, 2012)

Municipal Water Resources & Regional Planning: The Prairie Waters Project - Aurora, Colorado by Lisa Darling (TWR #98: April 15, 2012)

Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs (TWR #100: June 15, 2012)

Historic Use & "Takings" Decision in Colorado: Transfer Application Prompts Review (TWR #100, Water Briefs: June 15, 2012)

Request for Water 2012: Pilot Leasing Program in Colorado (TWR #102, Water Briefs: August 15, 2012)

Dewatering, Monitoring & Remediation Plans: Refinery Plume Migration & Groundwater Treatment System (CO)(TWR #102, Water Briefs: August 15, 2012)

Purchases of Reservoir Storage by Various Buyers in Colorado (TWR #104, Water Briefs: Oct. 15, 2012)

Water Leasing Pilot Program Summary: The Colorado Water Trust's 2012 Leases (TWR #106, Water Briefs: Dec. 15, 2012)

Water Transfers in the West by Carlee Brown (TWR #107: January 15, 2013)

Colorado River Management: Planning, Agreeing & Acting by Ted Kowalski (TWR #107: January 15, 2013)

South Platte Wells in Colorado: Over-Augmentation Damage Study Begins (TWR #107, Water Briefs: January 15, 2013)

Adverse Possession & Beneficial Use in Colorado by David Moon, Editor (TWR #108: Feb. 15, 2013)

Water "Call" Agreement in Colorado - Senior Rights "Relaxed" to Allow Storage (TWR #111, Water Briefs: May 15, 2013)

The Southern Delivery System - Getting to the Finish Line: Planning, Permitting & Constructing by John A. Fredell (TWR #113: July 15, 2013)

Speculation Decision by Colorado Supreme Court: "Can and Will" Requirements Clarified (TWR #113, Water Briefs: July 15, 2013)

Nondiversion Agreement - Aspen Instream Flow Agreement with Colorado Water Trust (TWR #113, Water Briefs: July 15, 2013)

Safe Drinking Water Act Fine - Injection Well Violations in Colorado (TWR #114, Water Briefs: August 15, 2013)

Arkansas Valley Conduit in Colorado: Regional Water Pipeline Project - Condensed/Edited from US Bureau of Reclamation Documents (TWR #115: Sept. 15, 2013)

Transbasin Water Exchanges in Colorado: "Lawn Irrigation Return Flows" (LIRFs) (TWR #115, Water Briefs: Sept. 15, 2013)

Safe Drinking Water Enforcement by EPA on Southern Ute Reservation in Colorado: Underground Injection Control (TWR #115, Water Briefs: Sept. 15, 2013)

Arizona v. California Digital Collection Debuted at William A. Wise Law Library (CU) (TWR #117, Water Briefs: Nov. 15, 2013)

Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol (TWR #121: March 15, 2014)

Regional Water Management Cooperation: Study Compares Four Cases in the West by Nathaniel Delano and Sharon B. Megdal (TWR #121: March 15, 2014)

[South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom \(TWR #122: April 15, 2014\)](#)

[Colorado's Water Plan by Jayla Ryan Poppleton \(TWR #123: May 15, 2014\)](#)

[City Instream Flow: Non-Diversion Agreement in Colorado \(TWR #123, Water Briefs: May 15, 2014\)](#)

[Clean Water Act Citizen Suit in Colorado - South Platte Pollution \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

[Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols \(TWR #128, Oct. 15, 2014\)](#)

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill \(TWR #129: Nov. 15, 2014\)](#)

[Oral Arguments in *Kansas v. Nebraska and Colorado*: Interstate Compact, Damages & Imported Water \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond \(TWR #130: Dec. 15, 2014\)](#)

[Colorado Water Plan Draft Released \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon \(TWR #133: March 15, 2015\)](#)

[Water Right Nonuse: Historical Beneficial Consumptive Use in Change Proceedings in Colorado \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Instream Flow Rights Decision in Colorado: State Agency Authority Upheld - Policy of Preserving Natural Environment \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Small Scale Hydropower & Ditch Easements: Colorado Decision Applies "No Injury Rule" and Maximum Use by David Moon \(TWR #136: June 15, 2015\)](#)

[Aquifer Recharge & Flood Mitigation Collaboration in Nebraska \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones \(TWR #138, August 15, 2015\)](#)

[Reservoir Release in Colorado - Lease Agreement for Instream Flow to Benefit Endangered Fish \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Water Plan Released in Colorado: Water Supply Strategies \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

[WRF Published Water Efficiency Study: Residential End Uses of Water, Version 2 \(2016\) \(TWR #146, Water Briefs: April 15, 2016\)](#)

COLUMBIA RIVER BASIN:

- Oregon Water Resources Department: Interview with Director Paul Cleary (TWR #1: March 15, 2004)
- Columbia Basin Spills: Tribes Threaten Lawsuit Over BPA Proposal (TWR #3, Water Briefs: May 15, 2004)
- Columbia River Discharges - Clean Water Act Citizen Suit (TWR #5, Water Briefs: July 15, 2004)
- BPA Summer Spill Decision - Tribes Prepare Litigation Contesting (TWR #5, Water Briefs: July 15, 2004)
- Dredging Lawsuit - Columbia River Deepening by Corps of Engineers (TWR #5, Water Briefs: July 15, 2004)
- BPA Spill Controversy - 9th Circuit Compels Spill for Fishery (TWR #6, Water Briefs: Aug. 15, 2004)
- NOAA Columbia-Snake Draft Strategy (TWR #7, Water Briefs: Sept. 15, 2004)
- Water Quality Standards: 9th Circuit Holding on Dam Operations TWR #8 , Water Briefs)
- Columbia River Initiative - Washington Program for New Rights and Mitigation (TWR #9, Water Briefs: Nov. 15, 2004)
- NOAA BiOp - Columbia and Snake Rivers (TWR #10, Water Briefs: Dec. 15, 2004)
- Colville Tribes of Washington Sign Water Agreement (TWR #11, Water Briefs: Jan. 15, 2005)
- Columbia River Mainstem Program Announced by Washington Governor (TWR #11, Water Briefs: Jan. 15, 2005)
- Bureau of Reclamation Decision Document for Columbia River (TWR #12, Water Briefs: Feb. 15, 2005)
- Upper Columbia River Contamination: Transboundary Application of CERCLA by Du Bey, Ulick Rosenthal & Clark (TWR #15: May 15, 2005)
- Dams and Salmon: Judge Rejects BiOp by David C. Moon (TWR #16: June 15, 2005)
- Columbia River BiOps Order and Upper Snake Case (TWR #20, Water Briefs: October 15, 2005)
- Columbia River Water Management Plan: Emphasizing Water Storage and Conservation by David C. Moon (TWR #25: March 15, 2006)
- Federal Plan Violates Endangered Species Act: Snake River BiOp Plan Flawed (TWR #28, Water Briefs, June 15, 2006)
- International Agreement with Canada: Transboundary CERCLA Settlement (TWR #29, Water Briefs: July 15, 2006)
- BPA Closing of Fish Passage Center Rejected by 9th Circuit (TWR #36, Water Briefs: February 15, 2007)
- Laws of the Rivers: Compendium for Major Interstate Rivers (TWR #37: March 15, 2007)
- Transboundary Pollution - 9th Circuit Order Appealed (TWR #37, Water Briefs: March 15, 2007)
- Columbia River Hydrosystem BiOp: 9th Circuit Upholds Rejection of 2004 BiOp by Mark L. Stermitz (TWR #40, June 15, 2007)
- Supreme Court Limits ESA: *National Homebuilders v. Defenders of Wildlife* by Richard M. Glick and Lindsay Eyler (TWR #41: July 15, 2007)
- Global Warming: Columbia Basin Impacts (TWR #41, Water Briefs: July 15, 2007)

[Transboundary CERCLA Case: Supreme Court Requests Federal Brief \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Hydropower and Fish - Northwest Challenge: Keeping Fish and Clean Hydro by F. Lorraine Bodi and Dulcy Mahar \(TWR #47: January 15, 2008\)](#)

[Columbia River Power System Draft BiOp: Judge Expresses Doubts \(TWR #47, Water Briefs: January 15, 2008\)](#)

[Transboundary Water Quality: Supreme Court Denies Canadian Petition \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Reclamation Study: Groundwater Use Substitution With Surface Water \(Columbia Basin Project\) \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Columbia Basin Fish Accords Signed \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Salmon Protection in Northwest: Columbia/Snake River Latest BiOps Released \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Shoshone-Bannock Tribes Join Agreements in Columbia River Basin \(Litigation Continues\) \(TWR #56, Water Briefs: October 15, 2008\)](#)

[Columbia River Toxics: EPA's Columbia River Basin State of the River Report for Toxics by Mary Lou Soscia and Kim Johnson \(TWR #58: December 15, 2008\)](#)

[Hanford Contamination Lawsuit: Washington Sues DOE Over Cleanup Failure \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Columbia River BiOp: Fed Plan for Hydropower System Argue ESA Requirements \(TWR #61, Water Briefs: March 15, 2009\)](#)

[Lake Roosevelt Incremental Storage Release Project - Draft EA Released by Reclamation \(TWR #62, Water Briefs: April 15, 2009\)](#)

[Columbia Basin Project: "Artificially-Stored" Groundwater \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Tribal Liability: Decision Holds No CERCLA Liability Against Tribes in Transboundary Case \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Draft Columbia River Toxics Reduction Action Plan: Comments Sought \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Columbia River Basin Toxics Reduction: Action Plan in Effect by Mary Lou Soscia \(TWR #84: Feb. 15, 2011\)](#)

[Water Storage Rule in Washington: Processing Expedited \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[New Water Management Model: The Umatilla Basin Water Commission - Counties, Irrigation District & Confederated Tribes Form Administrative Body by Martha Pagel \(TWR #87: May 15, 2011\)](#)

[BiOp Rejected Again: Columbia River Plan Found Arbitrary & Capricious \(Specific Mitigation Plan Not Identified\) \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Draft Columbia River Basin Long-Term Water Supply and Demand Forecast Released by Ecology \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Columbia River Instream Atlas: Washington's Ecology Releases Draft Tool \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[Western States' Water Planning: The Best Laid Plans - Water Planning in Uncertain Times by Janet Neuman \(TWR #99: May 15, 2012\)](#)

[The Columbia River, Basin, and Treaty: Upcoming Treaty Date is Focussing Basin Water Management Issues by Stan Miller \(TWR #101: July 15, 2012\)](#)

[Contaminants in Wastewater Effluent & Stormwater Runoff - Columbia River Basin: USGS Study \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Kalispel Tribe Agreement With Federal Agencies: Habitat & Fish Stocks in Columbia Basin \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi \(TWR #104: Oct. 15, 2012\)](#)

[The Future of the Columbia River Treaty by Nigel Bankes, University of Calgary & Barbara Cosens \(TWR #105: Nov. 15, 2012\)](#)

[Transboundary Case \(*Pakootas v. Teck*\) - Pollution Liability Under U.S. Law \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Critical Habitat for Lower Columbia River Coho & Puget Sound Steelhead: Comments Closing Soon \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre \(TWR #114: August 15, 2013\)](#)

[Columbia River Treaty Update: Draft Regional Recommendation Released \(TWR #116: Oct. 15, 2013\)](#)

[Columbia River Treaty Review: Update & Next Steps \(From the US Entity\) - Special to The Water Report \(TWR #117, Nov. 15, 2013\)](#)

[The Columbia River Treaty: September 16 Pivot Point for the Future of the Columbia River Basin by Eric Christensen \(TWR #125: July 15, 2014\)](#)

[Dam Pollution Settlement: Oil Leakage at Columbia & Snake River Dams and the Clean Water Act \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Columbia River Treaty Options: Protocols for Transboundary Adaptive Management Examined by Bankes & Cosens \(TWR #129: Nov. 15, 2014\)](#)

[Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey \(TWR #130: Dec. 15, 2014\)](#)

[Columbia River Basin Water Supply Inventory Report 2014 Released \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[West Coast ESA Challenges: The View from NOAA Fisheries \(Regional Administrator William Steele's Presentation\) by David Light \(TWR #133: March 15, 2015\)](#)

[Water Resource Issues in the 114th Congress-Congressional Research Service Report \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

[Reverse Auction for Leasing Instream Flow in Washington \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Shared Responsibility: Governing the Use of Water & Related Resources in the International Columbia River Basin Through the Prism of Tribes and First Nations \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Transboundary Cooperation in the International Columbia River Basin: A Preliminary Assessment of Existing Arrangements & Future Prospects \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Columbia River Treaty: Canadian Negotiation Commitment Received from Prime Minister Trudeau \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Columbia Basin Salmon BiOp Rejected by Federal Court: Fed Plan Invalidated for Fifth Time - ESA & NEPA Violated \(TWR #146, Water Briefs: April 15, 2016\)](#)

[SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool \(TWR #146, Water Briefs: April 15, 2016\)](#)

COLUMBIA RIVER TREATY:

The Columbia River, Basin, and Treaty: Upcoming Treaty Date is Focussing Basin Water Management Issues by Stan Miller (TWR #101: July 15, 2012)

The Future of the Columbia River Treaty by Nigel Bankes, University of Calgary & Barbara Cosens (TWR #105: Nov. 15, 2012)

Columbia River Treaty Update: Draft Regional Recommendation Released (TWR #116: Oct. 15, 2013)

Columbia River Treaty Review: Update & Next Steps (From the US Entity) - Special to The Water Report (TWR #117, Nov. 15, 2013)

The Columbia River Treaty: September 16 Pivot Point for the Future of the Columbia River Basin by Eric Christensen (TWR #125: July 15, 2014)

Columbia River Treaty Options: Protocols for Transboundary Adaptive Management Examined by Bankes & Cosens (TWR #129: Nov. 15, 2014)

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

Columbia River Treaty: Canadian Negotiation Commitment Received from Prime Minister Trudeau (TWR #146, Water Briefs: April 15, 2016)

“COMBAT HYDROLOGY”:

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

COMBINED SEWER OVERFLOW (CSO):

Combined Sewer Overflow (CSO) Control Plans: Post-Construction Compliance Guidance Issued by EPA (TWR #101, Water Briefs: July 15, 2012)

Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase (TWR #108: Feb. 15, 2013)

Green Infrastructure Factsheets on Permitting & Enforcement Released by EPA - NPDES Wet Weather Programs (TWR #108, Water Briefs: Feb. 15, 2013)

Wastewater Spills in Arizona - ADEQ Enforcement (Fine & Supplemental Environmental Project Required) (TWR #110, Water Briefs: April 15, 2013)

Duamish Cleanup: Superfund Final Plan in Seattle Waterway (TWR #130: Water Briefs, Dec. 15, 2014)

Wastewater Discharge Fine in New Mexico: Proposed Penalties for CWA Violations (TWR #137, Water Briefs: July 15, 2015)

Clean Watersheds Needs Survey Released by EPA (TWR #144, Water Briefs: Feb. 15, 2016)

EPA Enforcement: Seven National Enforcement Initiatives Announced for 2017-2019 (TWR #145, Water Briefs: March 15, 2016)

Sewer Overflows and Stormwater Violations in Kansas: EPA Settlement with City (TWR #145, Water Briefs: March 15, 2016)

Green Infrastructure Guidance Announced by WRF: Capital Improvement Project Delivery Methods & Incentives (TWR #146, Water Briefs: April 15, 2016)

Stormwater Runoff, Combined Sewer Overflows, and Infrastructure Research Funding (TWR #148, Water Briefs: June 15, 2016)

COMMERCE CLAUSE (see also Compacts and Interstate Conflicts):

Interstate Water Ruling: Texas Water Users' Lawsuit Against Oklahoma to Continue (TWR #58, Water Briefs: December 15, 2008)

Coalbed Methane Produced Groundwater: A Survey of Western Water Law Regulation by Sarah A. Klahn & Jack Tuholske (TWR #77: July 15, 2010)

Oklahoma Storage Transfer Controversy: Tribal Nations & Local Interests Oppose the Transfer Agreement by David Moon, Editor (TWR #80: Oct. 15, 2010)

Endangered Species Act Upheld by US Supreme Court: No Commercial Value & One-state Species Issues Rejected (TWR #94, Water Briefs: Dec. 15, 2011)

Interstate Compact Litigation Between Oklahoma & Texas: U.S. Solicitor General Files Opinion (TWR #106, Water Briefs: Dec. 15, 2012)

State Control of Water: U.S. Supreme Court Rules for Oklahoma - Interstate Compact & Commerce Clause Issues by David Moon (TWR #113: July 15, 2013)

Interstate Water Compacts: The US Supreme Court's *Tarrant* Decision and the Risk of Silence by Steven Richardson (TWR #116: Oct. 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

COMMERCIAL USE:

Exempt Well Decision in South Dakota: Domestic v. Commercial Use (Tribal Opposition) (TWR #78, Water Briefs: Aug. 15, 2010)

Illegal Use of Well: Commercial Use of Domestic Well in New Mexico (TWR #80, Water Briefs: Oct. 15, 2010)

Endangered Species Act Upheld by US Supreme Court: No Commercial Value & One-state Species Issues Rejected (TWR #94, Water Briefs: Dec. 15, 2011)

COMMODITY (Water as a Commodity):

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

COMMON GROUND WATER SUPPLY:

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

COMMON LAW ISSUES:

Abandonment & Nonuse Case in Nebraska: Regulation of Water Rights Leads to Decision on Common Law Issues by David Moon (TWR #99: May 15, 2012)

Climate Change & Public Trust Doctrine - Climate Change, Public Trust Doctrines & *PPL Montana* by Robin Kundis Craig (TWR #120: Feb. 15, 2014)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

COMMON SENSE:

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

"COMMONS" RATIONALE:

Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo (TWR #119: Jan. 15, 2014)

COMMUNITY-BASED TRADING (see also WATER QUALITY TRADING):

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

COMMUNITY FORESTS:

Community Forest: Yakima Basin Land Purchase Key Step in Yakima Basin Integrated Plan (TWR #117, Water Briefs: Nov. 15, 2013)

COMMUNITY WATER RIGHTS:

Gila Water Storage: Innovative Banking Creates “Long-Term Storage Credits” - Gila River Water Storage LLC and Christa McJunkin (TWR #130:

Dec. 15, 2014)

COMPACT COMMISSION (Montana):

Blackfeet Water Rights Compact: Montana Compact Commission Approval (TWR #39, Water Briefs: May 15, 2007)

Crow Tribe Compact: Water Rights Settlement Signed in Montana (TWR #99, Water Briefs: May 15, 2012)

Tribal Water Compact: Proposed Settlement Released in Montana (TWR #106, Water Briefs: Dec. 15, 2012)

CSKT Water Rights Compact Unratified: Montana Legislature Refuses to Ratify Confederated Salish and Kootenai Tribes Compact by Weiner & Stermitz (TWR #114: August 15, 2013)

Montana Reserved Water Rights Compact Commission's Report on CSKT Proposed Water Rights Compact Released (TWR #119, Water Briefs: Jan. 15, 2014)

Tribal Compact: Attorney General's Memo to Montana's Governor (TWR #132, Water Briefs: Feb. 15, 2015)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

Tribal Compact Signed for Confederated Salish and Kootenai Tribes in Montana (TWR #135, Water Briefs: May 15, 2015)

COMPACTS (see also Tribal Water Rights and Interstate Conflicts):

Montana - Wyoming Water Fight Brewing? (TWR #4, Water Briefs: June 15, 2004)

Montana - Wyoming Talk Continue: Yellowstone Compact Discussions (TWR #5, Water Briefs: July 15, 2004)

Montana/Wyoming Update: Yellowstone River Compact (TWR #6, Water Briefs: Aug. 15, 2004)

Border States Meeting - Texas and New Mexico Dialogue (TWR #7, Water Briefs: Sept. 15, 2004)

Law of the Rio Grande (Report from the 6th Annual Conference) by David Moon, Editor (TWR #13: March 15, 2005)

The Colorado River - Has It Run Out of Water? by Lawrence J. MacDonnell (TWR #16: June 15, 2005)

Klamath FERC: Dam Removal and Irrigators' Power Rates (TWR #20, Water Briefs: October 15, 2005)

Rio Grande Annual Operating Plan Released (TWR #27, Water Briefs: May 15, 2006)

Conservation Easements: Environmental Quality Incentives Program (EQIP) in Nebraska (TWR #30, Water Briefs: August 15, 2006)

Strategic Water Reserve: First Acquisition in New Mexico (TWR #33, Water Briefs: Nov. 15, 2006)

Interstate Compacts: Draft Model Compact Available (TWR #34, Water Briefs: December 15, 2006)

Interstate Compact Lawsuit: *Montana v. Wyoming* (TWR #36, Water Briefs: February 15, 2007)

Blackfeet Water Rights Compact: Montana Compact Commission Approval (TWR #39, Water Briefs: May 15, 2007)

Water Resources Cash Fund Created in Nebraska (TWR #40, Water Briefs: June 15, 2007)

Interstate Water Allocation by Christopher H. Meyer, Givens Pursley LLP (Boise, Idaho) (TWR #42: August 15, 2007)

"Post-Appropriation" Water Management: Colorado's Water for the 21st Century Act by George Sibley (TWR #42, August 15, 2007)

Colorado River Shortages: Reclamation Preferred Alternative (TWR #42, Water Briefs: August 15, 2007)

Colorado River Record of Decision Signed - Agreement on Shortage Criteria and Innovative Strategies (TWR #47, Water Briefs: January 15, 2008)

Interstate Compact Lawsuit: US Brief Filed in Montana and Wyoming Water Right Conflict (TWR #48, Water Briefs: February 15, 2008)

Republican River Litigation Expected by Kansas Attorney General (TWR #49, Water Briefs: March 15, 2008)

New Mexico Legislation Provides Flexibility to Purchase and Sever Water Rights from Land (Pecos Compact) (TWR #49, Water Briefs: March 15, 2008)

Rio Grande Settlement Between New Mexican & Texan Irrigation Districts: Dispute Over Interstate Surface & Groundwater by Moon (TWR #50: April 15, 2008)

Multi-Use Reservoir Analysis: Rio Grande Reservoir by Matthew Bliss (TWR #51: May 15, 2008)

Seven Rivers Pipeline and Augmentation Wells in New Mexico (Pecos River Settlement) (TWR #53, Water Briefs: July 15, 2008)

Montana v. Wyoming: U.S. Supreme Court to Hear Yellowstone Compact Case by Karen Budd-Falen (TWR #57: November 15, 2008)

Interstate Water Ruling: Texas Water Users' Lawsuit Against Oklahoma to Continue (TWR #58, Water Briefs: December 15, 2008)

Pecos River Compact Compliance: New Mexico's Compliance Program Meets With Success by James C. Brockmann (TWR #61: March 15, 2009)

Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro (TWR #63: May 15, 2009)

Yellowstone River Compact: *Montana v. Wyoming*-Special Master Rules on Water Rights Issues & Denies Motion to Dismiss by Moon (TWR #65: July 15, 2009)

Pecos River Agreement Settlement: Conditions Met (TWR #65, Water Briefs: July 15, 2009)

Kansas v. Colorado - Arkansas River Interstate Settlement Agreement on Final Technical Issues (TWR #67, Water Briefs: Sept. 15, 2009)

The Republican River Compact: Conflict & Arbitration by Justin D. Lavene and Marcus A. Powers (TWR #68: Oct. 15, 2009)

Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith (TWR #69: Nov. 15, 2009)

New Era of Interbasin Water Transfers: Part II by Barbara Cosens (TWR #73: March 15, 2010)

Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill (TWR #76: June 15, 2010)

Kansas v. Nebraska: Interstate Compact Enforcement (TWR #76, Water Briefs: June 15, 2010)

Nebraska's Evolving Water Law: Challenges and Opportunities Part I by Mary E. Kelly (TWR #81: November 15, 2010)

Republican River Compact - Arbitrator's Ruling (TWR #81, Water Briefs: Nov. 15, 2010)

Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma (Sardis Reservoir) by Greetham (TWR #82: Dec. 15, 2010)

Nebraska's Evolving Water Law: Challenges & Opportunities - Part II by Mary E. Kelly (TWR #82: Dec. 15, 2010)

Key Tribal Water Developments in the Pacific Northwest by Duane Mecham (TWR #83: Jan. 15, 2011)

Irrigation Efficiency: Conserved Water & Return Flow - Supreme Court Decision in *Montana v. Wyoming* (TWR #87, Water Briefs: May 15, 2011)

Crow Tribe Compact: Water Rights Settlement Signed in Montana (TWR #99, Water Briefs: May 15, 2012)

Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs (TWR #100: June 15, 2012)

The Columbia River, Basin, and Treaty: Upcoming Treaty Date is Focussing Basin Water Management Issues by Stan Miller (TWR #101: July 15, 2012)

Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie (TWR #105: Nov. 15, 2012)

Interstate Compact Litigation Between Oklahoma & Texas: U.S. Solicitor General Files Opinion (TWR #106, Water Briefs: Dec. 15, 2012)

Tribal Water Compact: Proposed Settlement Released in Montana (TWR #106, Water Briefs: Dec. 15, 2012)

Texas v. New Mexico - Texas Sues Over Water Deliveries Under the Rio Grande Compact (U.S. Supreme Court) (TWR #107, Water Briefs: January 15, 2013)

Interstate Lawsuit on Red River Compact to be Heard by U.S. Supreme Court - Texas & Oklahoma (TWR #108, Water Briefs: Feb. 15, 2013)

Tribal Claims to the Colorado River by Ryan Smith (TWR #109: March 15, 2013)

Republican River Compact Call in Nebraska: Bureau of Reclamation Responds to Nebraska DNR Order (TWR #110, Water Briefs: April 15, 2013)

Republican River Compact Compliance: Storage Releases by Nebraska (States Fail to Reach Future Access Agreement) (TWR #111, Water Briefs: May 15, 2013)

The "Fill Mead First" Proposal: Potential Legal Issues Under the Law of the River by Lawrence J. MacDonnell (TWR #112: June 15, 2013)

State Control of Water: U.S. Supreme Court Rules for Oklahoma - Interstate Compact & Commerce Clause Issues by David Moon (TWR #113: July 15, 2013)

CSKT Water Rights Compact Unratified: Montana Legislature Refuses to Ratify Confederated Salish and Kootenai Tribes Compact by Weiner & Stermitz (TWR #114: August 15, 2013)

Colorado River Management & Drought: Lake Powell Releases to be Lowered Significantly by David Moon, Editor (TWR #115: Sept. 15, 2013)

Interstate Water Compacts: The US Supreme Court's *Tarrant* Decision and the Risk of Silence by Steven Richardson (TWR #116: Oct. 15, 2013)

Arizona v. California Digital Collection Debuted at William A. Wise Law Library (CU) (TWR #117, Water Briefs: Nov. 15, 2013)

U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service (TWR #118, Dec. 15, 2013)

Republican River Special Master's Report Issued: *Kansas v. Nebraska and Colorado* (TWR #118, Water Briefs: Dec. 15, 2013)

Rio Grande Compact - Lawsuit Between Texas & New Mexico: U.S. Solicitor General's Brief Filed (TWR #119, Water Briefs: Jan. 15, 2014)

Montana Reserved Water Rights Compact Commission's Report on CSKT Proposed Water Rights Compact Released (TWR #119, Water Briefs: Jan. 15, 2014)

Texas v. New Mexico: Supreme Court Grants Texas the Right to Proceed (TWR #120, Water Briefs: Feb. 15, 2014)

Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. (TWR #121: March 15, 2014)

New Mexico Response Filed to U.S. Motion to Intervene: *Texas v. New Mexico* (TWR #122, Water Briefs: April 15, 2014)

Colorado's Water Plan by Jayla Ryan Poppleton (TWR #123: May 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

Columbia River Treaty Options: Protocols for Transboundary Adaptive Management Examined by Bankes & Cosens (TWR #129: Nov. 15, 2014)

Oral Arguments in *Kansas v. Nebraska and Colorado*: Interstate Compact, Damages & Imported Water (TWR #129: Water Briefs, Nov. 15, 2014)

Texas v. New Mexico and Colorado: Special Master Appointed for Interstate Compact Case (TWR #129: Water Briefs, Nov. 15, 2014) *Texas v. New Mexico and Colorado*, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon (TWR #132: Feb. 15, 2015)

Tribal Compact: Attorney General's Memo to Montana's Governor (TWR #132, Water Briefs: Feb. 15, 2015)

Colorado Water Plan Draft Released (TWR #132, Water Briefs: Feb. 15, 2015)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

Tribal Compact Signed for Confederated Salish and Kootenai Tribes in Montana (TWR #135, Water Briefs: May 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones (TWR #138, August 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

[AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein \(TWR #146: April 15, 2016\)](#)

COMPATIBLE USE BUFFER PROGRAM:

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

COMPENSATION DETERMINATION (see also "TAKINGS"):

["Takings" Case Upheld for Groundwater Protection from Regulation in Texas \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[War and Peace Over the Niobrara River by Don Blankenau \(TWR #142: Dec. 15, 2015\)](#)

"COMPENSATORY MITIGATION":

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

COMPETING USES:

[Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon \(TWR #141: Nov. 15, 2015\)](#)

COMPLAINT PROCESS:

[Dry Year Program Report & Recommendations for California's Water Rights Priority System \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

COMPLIANCE ASSISTANCE:

[Compliance Assistance - Small Community Program with Arizona DEQ \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

COMPLIANCE ORDER (see also COST OF COMPLIANCE):

[Stock Pond Permit Settlement: EPA & Landowners Settle Clean Water Act Lawsuit \(TWR #148, Water Briefs: June 15, 2016\)](#)

COMPLIANCE RATES:

[Enforcement Report of 2013 Actions Released by California State Water Resources Control Board \(TWR #123, Water Briefs: May 15, 2014\)](#)

[Safe Drinking Water Act Dashboard - Website Compliance Tracking System Announced by EPA \(TWR #135, Water Briefs: May 15, 2015\)](#)

COMPLIANCE RISK:

[Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson \(TWR #132: Feb. 15, 2015\)](#)

CONCLUSIVE PROOF:

[Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith \(TWR #133: March 15, 2015\)](#)

“CONCURRENCY LAWS”:

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

CONDEMNATION (see also Eminent Domain):

[Condemnation Proposed: Municipal Water Rights in Washington \(TWR #25, Water Briefs: March 15, 2006\)](#)

[Condemnation Case in Washington Settled - Water Rights Transfer \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Montana v. Wyoming: U.S. Supreme Court to Hear Yellowstone Compact Case by Karen Budd-Falen \(TWR #57: November 15, 2008\)](#)

[Water Marketing in Texas: Selling or Leasing of Groundwater and Surface Water Rights by Edmond R. McCarthy, Jr. \(TWR #62: April 15, 2009\)](#)

[Municipal Water Transfer Recommended in Washington: Relinquishment Due to Non-Use \(Expedited Process\) \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Klamath Settlement Agreements: Charting a New Direction by Glen Spain \(TWR #70: Dec. 15, 2009\)](#)

[Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak \(TWR #81: November 15, 2010\)](#)

[Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde \(TWR #83: Jan. 15, 2011\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

CONDITIONAL COSTS:

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

CONDITIONALITY:

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

CONDITIONAL RIGHT TO GROUNDWATER:

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

CONDITIONAL USES:

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

CONDITIONAL WATER RIGHTS:

Small Scale Hydropower & Ditch Easements: Colorado Decision Applies "No Injury Rule" and Maximum Use by David Moon (TWR #136: June 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

CONDITIONS - Placed on Water Rights:

[Alaska Instream Water Applications Decision: “Public Interest” and the “Most Beneficial Use” by Moon \(TWR #141: Nov. 15, 2015\)](#)

[CONDUCT \(see also PAST CONDUCT\):](#)

[Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court’s Equitable Powers by David Moon \(TWR #133: March 15, 2015\)](#)

[CONFINED AQUIFERS:](#)

[Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield \(TWR #148: June 15, 2016\)](#)

[CONFLICTING DUTIES:](#)

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

[CONFLICT POLICY:](#)

[Water Conflict Policy: Federal Agencies & Conflict Resolution \(OMB/CEQ Directive\) \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[The Future of the Columbia River Treaty by Nigel Bankes, University of Calgary & Barbara Cosens \(TWR #105: Nov. 15, 2012\)](#)

[CONGRESSIONAL ACTION or INTENT:](#)

[Indian Water Settlements: Outlook for the 112th Congress and Beyond by Ryan A. Smith \(TWR #90: August 15, 2010\)](#)

[Negotiating Indian Water Rights Claims: 12th Biennial Symposium on the Settlement of Indian Reserved Water Rights by Killoren \(TWR #95: Jan. 15, 2012\)](#)

[Tribal Claims to the Colorado River by Ryan Smith \(TWR #109: March 15, 2013\)](#)

[Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols \(TWR #128, Oct. 15, 2014\)](#)

[CONGRESSIONAL BUDGET OFFICE:](#)

[Allocation of Water: Congressional Budget Office Report \(TWR #32, Water Briefs: October 15, 2006\)](#)

[CONJUNCTIVE ADMINISTRATION \(see also CONJUNCTIVE USE\):](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Aquifer Recovery in Idaho: Governor's Budget Provides Funding to Reverse Decline of Idaho Aquifer Levels \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

CONJUNCTIVE MANAGEMENT:

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[Aquifer Recovery in Idaho: Governor's Budget Provides Funding to Reverse Decline of Idaho Aquifer Levels \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

CONJUNCTIVE USE (Surface Water/Groundwater):

[Wastewater Fines: Surface Water and Groundwater Connection \(TWR #2, Water Briefs: April 15, 2004\)](#)

[Conjunctive Administration on the Eastern Snake River Plain by Phillip J. Rassier \(TWR #10: Dec. 15, 2004\)](#)

[Ground Water Right Transfers in the Snake River Plain, Idaho by Johnson, Harris, Contor and Cosgrove \(TWR #10: Dec. 15, 2004\)](#)

[Colorado Water Law Decision \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Law of the Rio Grande \(Report from the 6th Annual Conference\) by David Moon, Editor \(TWR #13: March 15, 2005\)](#)

[Groundwater Holding: Nebraska Conjunctive Use \(TWR #13, Water Briefs: March 15, 2005\)](#)

[Idaho Conjunctive Use Order by David C. Moon \(TWR #15: May 15, 2005\)](#)

[Groundwater Rules Invalid: Deschutes Mitigation \(TWR #16, Water Briefs: June 15, 2005\)](#)

[Montana Groundwater/Surface Water Conflicts: Management in Search of Science and Reason by Kendy, Wilson and Ziemer \(TWR #19: September 15, 2005\)](#)

[Conjunctive Use - Utah Reports \(TWR #19, Water Briefs, September 15, 2005\)](#)

[Southwest Water Decisions: Arizona Water Settlements Act, Indian Reserved Rights, Adjudications by McGinnis & Alberts \(TWR #20: October 15, 2005\)](#)

[Nebraska Water Law Changing: Dramatic Developments - The Spear T Ranch Case by LeRoy W. Sievers and Jocelyn Walsh Golden \(TWR #21: Nov. 15, 2005\)](#)

[Washington Water Regulation: New Department of Ecology Director Jay Manning, Interview by David C. Moon, Editor \(TWR #23, Jan. 15, 2006\)](#)

[Montana Supreme Court Rules on Groundwater Process: Basin Closures and Conjunctive Use by David C. Moon \(TWR #28, June 15, 2006\)](#)

New Mexico Water Markets: Buying, Selling and Leasing Water Rights by John W. Shomaker and F. Lee Brown (TWR #29: July 15, 2006)

Groundwater Augmentation: Conjunctive Use Decision by Colorado Supreme Court (TWR #29, Water Briefs: July 15, 2006)

Ground Water and Surface Water Regulation: Colorado Decision (TWR #35, Water Briefs: January 15, 2007)

Santa Fe Water Resources and Policy: Evolving "Wet Growth Regulations" by Kyle Harwood (TWR #36, February 15, 2007)

Groundwater Report: Conjunctive Use in the West (TWR #38, Water Briefs: April 15, 2007)

Idaho Conjunctive Use: Idaho Supreme Court Upholds Conjunctive Water Rights Administration Rules by Jeff Fereday (TWR #40, June 15, 2007)

Groundwater Regulations: Idaho DWR Orders Curtailment (TWR #41, Water Briefs: July 15, 2007)

Conjunctive Use - Idaho Decision on "Call" of Water (TWR #48, Water Briefs: February 15, 2008)

Anti-Speculation Article Response - Mesa Water LLP (TWR #52: June 15, 2008)

Idaho Water Law: Update from Coeur d'Alene Conference by David Moon (TWR #52: June 15, 2008)

Domestic Wells in New Mexico: Senior Water Rights Protected in Court Decision (TWR #54, Water Briefs: August 15, 2008)

Groundwater/Surface Water Decision in Nebraska: DNR Authority Upheld Regarding Hydraulic Connection (TWR #57, Water Briefs: November 15, 2008)

Groundwater Recharge Funding Approved by Idaho Water Board (TWR #57, Water Briefs: November 15, 2008)

California Water Supply: Challenges and Solutions by Dr. Cat Shrier (TWR #59: Jan. 15, 2009)

Pecos River Compact Compliance: New Mexico's Compliance Program Meets With Success by James C. Brockmann (TWR #61: March 15, 2009)

Groundwater Report: *Down to the Last Drop* - Texas Report from the Environmental Defense Fund

Coalbed Methane Decision: "Beneficial Use" and Well Permit Required - Ranchers' Senior Water Rights Protected by David Moon (TWR #63: May 15, 2009)

Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge (TWR #64: June 15, 2009)

"Unquenchable: America's Water Crisis and What to Do About It" - Interview with Author Robert Glennon by David Moon, Editor (TWR #64: June 15, 2009)

Idaho Transfers: An Update on Idaho's Water Transfer Policies and Issues by Michael C. Creamer (TWR #65: July 15, 2009)

Yellowstone River Compact: *Montana v. Wyoming*-Special Master Rules on Water Rights Issues & Denies Motion to Dismiss by Moon (TWR #65: July 15, 2009)

Conjunctive Use Decision in Idaho: Futile Calls and Seasonal Variability (TWR #65, Water Briefs: July 15, 2009)

The Republican River Compact: Conflict & Arbitration by Justin D. Lavene and Marcus A. Powers (TWR #68: Oct. 15, 2009)

Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith (TWR #69: Nov. 15, 2009)

Well Augmentation: Conjunctive Use Decision in Colorado (TWR #70, Water Briefs: Dec. 15, 2009)

Klamath Settlement Agreements: Part II by Glen Spain (TWR #71: Jan. 15, 2010)

Groundwater Closure Denied (WA): Stream Flow Concerns by Squaxin Island Tribe (Co. Agreement Pursued) (TWR #73, Water Briefs: March 15, 2010)

Aquifer Storage & Recovery; New Federal Initiatives - EPA to Develop Guidance by Dr. Cat Shrier (TWR #74, April 15, 2010)

Exempt Wells in the West: Complications & Compromises by Nathan Bracken (TWR #74, April 15, 2010)

Groundwater System in California: Legislative Analyst's Office Report Released (TWR #74, Water Briefs: April 15, 2010)

Municipal Water Desalination - Alamogordo: New Mexico's First Large-Scale Municipal Desalination Project by James C. Brockmann (TWR #75: May 15, 2010)

Tribal Surface Water Rights: Hydraulic Connection Equals Protection - Groundwater Impacts & Federal Jurisdiction by David C. Moon (TWR #75: May 15, 2010)

Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill (TWR #76: June 15, 2010)

Northwest Water Marketing: Re-Allocating Water in the Pacific Northwest by Richard A. Slaughter (TWR #77: July 15, 2010)

South Platte Well Crisis, 2002-2010: Evolving Alluvial Groundwater Regulation by P. Andrew Jones (TWR #78: Aug. 15, 2010)

Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak (TWR #81: November 15, 2010)

Nebraska's Evolving Water Law: Challenges and Opportunities Part I by Mary E. Kelly (TWR #81: November 15, 2010)

Nebraska's Evolving Water Law: Challenges & Opportunities - Part II by Mary E. Kelly (TWR #82: Dec. 15, 2010)

Tribal Water Decision in Nevada: Groundwater Change Application Granted by David Moon (TWR #83: Jan. 15, 2011)

Water Right Purchases in Nebraska: Platte River Enhancement (TWR #85, Water Briefs: March 15, 2011)

Conjunctive Use Decisions: Applying the Prior Appropriation Doctrine to Groundwater Use by David Moon (TWR #86: April 15, 2011)

Fully Appropriated: Nebraska Supreme Court Decision Impacts Surface & Groundwater Regulation (TWR #89, Water Briefs: July 15, 2011)

Water Settlement in the Lower Rio Grande: Agreement in Principle Reached for Surface and Groundwater (TWR #89, Water Briefs: July 15, 2011)

Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs (TWR #100: June 15, 2012)

USGS Study on Groundwater Impact on Streamflows Released (TWR #106, Water Briefs: Dec. 15, 2012)

Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert (TWR #107: January 15, 2013)

Texas v. New Mexico - Texas Sues Over Water Deliveries Under the Rio Grande Compact (U.S. Supreme Court) (TWR #107, Water Briefs: January 15, 2013)

South Platte Wells in Colorado: Over-Augmentation Damage Study Begins (TWR #107, Water Briefs: January 15, 2013)

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

Conjunctive Use in California's Central Valley: Mixed Results After Decades of Groundwater Banking by Jennifer Spaletta (TWR #111: May 15, 2013)

Mining Bill Vetoed by Governor in Montana: Groundwater & Surface Water Impacts Cited (TWR #111, Water Briefs: May 15, 2013)

Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)

"Waters of the US" - Clean Water Act Jurisdiction Rule: Connectivity of Streams & Wetlands Report Released (TWR #116, Water Briefs: Oct. 15, 2013)

Groundwater/Surface Water Exchange Agreement Signed: Reclamation & Irrigation District (TWR #116, Water Briefs: Oct. 15, 2013)

"Conserved Water" Statute in Oregon: Change in Use from Irrigation to Instream Flow Approved (Canal Lining) (TWR #116, Water Briefs: Oct. 15, 2013)

Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson (TWR #117, Nov. 15, 2013)

Republican River Special Master's Report Issued: *Kansas v. Nebraska and Colorado* (TWR #118, Water Briefs: Dec. 15, 2013)

Rio Grande Compact - Lawsuit Between Texas & New Mexico: U.S. Solicitor General's Brief Filed (TWR #119, Water Briefs: Jan. 15, 2014)

Texas v. New Mexico: Supreme Court Grants Texas the Right to Proceed (TWR #120, Water Briefs: Feb. 15, 2014)

Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. (TWR #121: March 15, 2014)

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

New Mexico Response Filed to U.S. Motion to Intervene: *Texas v. New Mexico* (TWR #122, Water Briefs: April 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

Arizona Groundwater Use Decision: Groundwater Plan for Development Project Rejected by David Moon (TWR #125: July 15, 2014)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon (TWR #128, Oct. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

USFS Groundwater Directive: Western Governors' Ass'n Submits Commits Regarding Implications (TWR #129: Water Briefs, Nov. 15, 2014)

[Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey \(TWR #130: Dec. 15, 2014\)](#)

[Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond \(TWR #130: Dec. 15, 2014\)](#)

[Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin \(TWR #130: Dec. 15, 2014\)](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

[Integrating Storage in California's Changing Water System: Storage and Water Management Report \(TWR #131: Water Briefs, Jan. 15, 2015\)](#)

[Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon \(TWR #132: Feb. 15, 2015\)](#)

[Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon \(TWR #133: March 15, 2015\)](#)

[California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem \(TWR #135: May 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[War and Peace Over the Niobrara River by Don Blankenau \(TWR #142: Dec. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

[USGS Report on the Colorado River's Source: Importance of Groundwater As Base Flow \(TWR #148, Water Briefs: June 15, 2016\)](#)

CONNECTIVITY (see also [Conjunctive Use](#)):

[Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson \(TWR #117, Nov. 15, 2013\)](#)

[Klamath Settlement "Agreement in Principle" Reached Between Klamath Tribes and "Off-Project" Irrigators \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Rio Grande Compact - Lawsuit Between Texas & New Mexico: U.S. Solicitor General's Brief Filed \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. \(TWR #121: March 15,](#)

2014)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem (TWR #135: May 15, 2015)

CONNECTIVITY (Resources/Information):

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

CONSERVATION:

Challenge Grant Program - Dept. of Interior (TWR #1, Water Briefs: March 15, 2004)

Lower Rio Grande Regional Water Plan (TWR #9, Water Briefs: Nov. 15, 2004)

Texas Conservation Report and Best Management Practices Guide (TWR #9, Water Briefs: Nov. 15, 2004)

California DWR Water Use Efficiency (TWR #10, Water Briefs: Dec. 15, 2004)

Canal Easement - Federal Lawsuit in Oregon (TWR #10, Water Briefs: Dec. 15, 2004)

Law of the Rio Grande (Report from the 6th Annual Conference) by David Moon, Editor (TWR #13: March 15, 2005)

Water Resource Management in El Paso: Conservation, Reclaimed Water and Desalinization by Edmund G. Archuleta and Karol Parker (TWR #15: May 15, 2005)

Utah Water Conservation: Irrigation District Conservation by Nancy Hardman (TWR #22: Dec. 15, 2005)

Commissioner's Water Conservation Award (Reclamation) to Idaho Irrigation District (TWR #24, Water Briefs: February 15, 2006)

Water Conservation: Reclamation Awards Grant to Kansas for Republican River (TWR #24, Water Briefs: February 15, 2006)

Columbia River Water Management Plan: Emphasizing Water Storage and Conservation by David C. Moon (TWR #25: March 15, 2006)

Beyond Privatization: Lessons for Restructuring Water Systems to Improve Performance by Gary Wolff and Eric Hallstein (TWR #27: May 15, 2006)

Long-Range Water Planning: Comprehensive Process in Central Oregon's Deschutes Basin by Bruce Aylward and David Newton (TWR #29: July 15, 2006)

Municipal Water Conservation: Cost Benefit Analysis and Comparison by Val L. Little and Rebecca Gallup (TWR #30: August 15, 2006)

All-American Canal Lining Halted: 9th Circuit Injunction (TWR #31, Water Briefs: Sept. 15, 2006)

Golf Course Receives Conservation Fines in Arizona (TWR #31, Water Briefs: Sept. 15, 2006)

Phoenix Water Planning: Water Resources Plan - The 2005 Update by Tom Buschatzke (TWR #32: October 15, 2006)

The Colorado River: New Operational Guidelines for Lake Powell and Lake Mead by Fulp, Yoder & Blatchford (TWR #33: Nov. 15, 2006)

Water Efficiency: Landscape Irrigation - EPA Certification (TWR #33, Water Briefs: Nov. 15, 2006)

Conservation Grants USFWS Funding for Planning & Habitat Acquisition (TWR #34, Water Briefs: December 15, 2006)

Water Use Efficiency - Reclamation Report for California (TWR #35, Water Briefs: January 15, 2007)

Santa Fe Water Resources and Policy: Evolving "Wet Growth Regulations" by Kyle Harwood (TWR #36, February 15, 2007)

Water Conservation: Bush's 2% Solution (TWR #36, Water Briefs: February 15, 2007)

Irrigation 2005 Grant for Water Conservation (TWR #37, Water Briefs: March 15, 2007)

Water Conservation Initiatives - Western States Take Action by Craig Bell, Western States Water Council (TWR #38: April 15, 2007)

Texas Groundwater - Rule of Capture and Groundwater Management in Texas: Part I by Bruce K. Darling (TWR #38: April 15, 2007)

Water Management Conservation Award to Deschutes River Conservancy (TWR #40, Water Briefs; June 15, 2007)

Interstate Water Allocation by Christopher H. Meyer (TWR #42: August 15, 2007)

Instream Flow Restoration: Cooperative, Free-Market Solutions in Oregon by Fritz Paulus (TWR #43, Sept. 15, 2007)

Municipal Water Law: Washington's Landmark Law Faces Challenges by Jeff B. Kray (TWR #44, Oct. 15, 2007)

Western States Water Update: Western States Water Council Meets in Montana by David C. Moon (TWR #44, Oct. 15, 2007)

Errata - TWR #38 "Water Conservation Initiatives" (TWR #44, Water Briefs: Oct. 15, 2007)

Colorado River Record of Decision Signed - Agreement on Shortage Criteria and Innovative Strategies (TWR #47, Water Briefs: January 15, 2008)

New Western Water Agenda: Opportunities for Action in an Era of Growth and Climate Change by MacDonnell & Fort (TWR #48: Feb. 15, 2008)

Groundwater Conservation Guide Released (TWR #48, Water Briefs: February 15, 2008)

Texas Water Law: An Update on Recent Legislation and Case Law by Deborah Clarke Trejo and Tina Alvarado Arnold (TWR #49: March 15, 2008)

Healthy Rivers Act: Instream Flows in Colorado (TWR #51, Water Briefs: May 15, 2008)

CALFED Grants for Urban & Agriculture Efficiency (TWR #51, Water Briefs: May 15, 2008)

Anti-Speculation Article Response - Mesa Water LLP (TWR #52: June 15, 2008)

Water Source Partnership: City of Olympia and Nisqually Tribe MOA (TWR #52, Water Briefs: June 15, 2008)

Washington State's Municipal Water Law: Landmark Law Partially Invalidated in Trial Court Decision by Jeff B. Kray (TWR #53: July 15, 2008)

Drought Actions in California: Water Transfers and Exchanges (TWR #53, Water Briefs: July 15, 2008)

[Rainwater Permit Rules in Washington \(TWR #53, Water Briefs: July 15, 2008\)](#)

["Recovery Crediting System" Guidance Developed by USFWS for Endangered Species \(TWR #55, Water Briefs: September 15, 2008\)](#)

[Bureau of Reclamation Grants: "Water for America" Challenge \(TWR #57, Water Briefs: November 15, 2008\)](#)

[WATERSENSE State Challenge Won by Arizona Department of Water Resources \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Water Efficiency Library: Comprehensive Resource Launched \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Efficient Water Management Survey Released by the Agricultural Water Management Council of California \(TWR #59, Water Briefs: Jan. 15, 2009\)](#)

[Municipal Stormwater in Washington: Low Impact Development Permit Requirements \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Oregon Water Demand Forecasting: A Transparent & Flexible Tool for State Water Needs Assessment by Igloria and Graham \(TWR #62: April 15, 2009\)](#)

[Water and Energy Nexus: Site Scale Conservation Opportunities by Steve Moddemeyer \(TWR #63: May 15, 2009\)](#)

[Yellowstone River Compact: *Montana v. Wyoming*-Special Master Rules on Water Rights Issues & Denies Motion to Dismiss by Moon \(TWR #65: July 15, 2009\)](#)

[Integrated Water-Energy Planning: Major Nationwide Dialogue Underway by Shrier, Hightower & Johnson \(TWR #66: August 15, 2009\)](#)

[Irrigation Canal Piping: Conservation Project \\$5.6 Million Grant by Ecology in Washington \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Litigation on the Colorado River: Conflicts in Search of Solutions by Michael Gheleta \(TWR #67: September 15, 2009\)](#)

[Arizona Water Management Issues: Maintaining Sustainable Water Management by Steve Olson \(TWR #68: Oct. 15, 2009\)](#)

[Exempt Wells: Washington Attorney General's Opinion Issued \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Irrigation Controls: EPA Specification Comment for Draft WaterSense \(Weather-Based Irrigation Controllers\) \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[New Era of Interbasin Water Transfers by Barbara Cosens \(TWR #72: Feb. 15, 2010\)](#)

["Conservation" Right in Kansas: Beneficial Use Definition \(Protection for Instream Flow\) \(TWR #73, Water Briefs: March 15, 2010\)](#)

[WaterSMART Initiative: Dept. of Interior Strategy \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Conservation Report on Agricultural Innovations in California \(California Farm Water Success Stories: Report & Video\) \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Water Conservation in California: State Water Resources Plan Released \(TWR #74, Water Briefs: April 15, 2010\)](#)

[Municipal Water Desalination - Alamogordo: New Mexico's First Large-Scale Municipal Desalination Project by James C. Brockmann \(TWR #75: May 15, 2010\)](#)

[Water Conservation Legislation in Colorado \(TWR #75, Water Briefs: May 15, 2010\)](#)

Water Efficiency - Reclamation "WaterSMART" Funding Opportunities (TWR #75, Water Briefs: May 15, 2010)

Rainwater Harvest: New Law in Effect in Utah (TWR #76, Water Briefs: June 15, 2010)

Northwest Water Marketing: Re-Allocating Water in the Pacific Northwest by Richard A. Slaughter (TWR #77: July 15, 2010)

Water Conservation in Nebraska: Ogallala Platte Recovery Project (TWR #77, Water Briefs: July 15, 2010)

Water Restoration Certificates: Voluntary, Market-Based Flow Restoration by Todd Reeve & Rob Harmon (TWR #79, Sept. 15, 2010)

National Low Impact Development Atlas: Interactive Site Up on Web (TWR #78, Water Briefs: Aug. 15, 2010)

Natural Gas Pipeline in the West: Conservation Fund Settlement and Lawsuit Filed (TWR #78, Water Briefs: Aug. 15, 2010)

USDA Projects: Agriculture and Forests Initiatives (TWR #78, Water Briefs: Aug. 15, 2010)

"Evaluation of Energy Conservation Measures for Wastewater Treatment Facilities" - EPA Release (TWR #81, Water Briefs: Nov. 15, 2010)

Bureau of Reclamation Update: Interview with Reclamation Commissioner Mike Connor by David Moon (TWR #82: Dec. 15, 2010)

Water Conservation Programs in Arizona Evaluated (Report by Western Resource Advocates) (TWR #82, Water Briefs: Dec. 15, 2010)

Evaluation of Energy Conservation Measures for Wastewater Treatment Facilities Released by EPA (TWR #82, Water Briefs: Dec. 15, 2010)

Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde (TWR #83: Jan. 15, 2011)

Water Sustainability: Recycling & Conservation Report Released in Arizona (TWR #83, Water Briefs: Jan. 15, 2011)

Wyoming Streamflow Restoration: History, Update & Current Strategies by Scott Yates (TWR #86: April 15, 2011)

Irrigation Efficiency: Conserved Water & Return Flow - Supreme Court Decision in *Montana v. Wyoming* (TWR #87, Water Briefs: May 15, 2011)

Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates (TWR #88: June 15, 2011)

Multi-Sector Water Sharing (Agricultural-Urban-Environmental): Innovative Strategies for the Colorado River Basin & the West by Smith (TWR #88: June 15, 2011)

"Use It or Lose It" Principle Questioned by Kansas Governor: Ogallala Aquifer & Conservation Incentives (TWR #90, Water Briefs: August 15, 2011)

Reclamation's WaterSMART Program: Working to Meet Future Water & Energy Demands by Avra Morgan (TWR #92: Oct. 15, 2011)

California Water District's Conservation Rebate Programs (TWR #92, Water Briefs: Oct. 15, 2011)

Oregon's Water Conservation, Re-use and Storage Grant Program Funded (TWR #92, Water Briefs: Oct. 15, 2011)

Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses by Drew Beckwith (TWR #93: Nov. 15, 2011)

Habitat Conservation & Farmland Conservation Reserves: USDA's CRP Program (TWR #93, Water Briefs: Nov. 15, 2011)

Water Supply: Drought Response Initiatives in Texas (TWR #94, Water Briefs: Dec. 15, 2011)

- Colorado River Basin Irrigation: The Future of Irrigation Organizations in the Colorado River Basin by Dr. Ron Griffin and Mary Kelly (TWR #95: Jan. 15, 2012)
- USDA Conservation Reserve Program (CRP) General Signup (TWR #96, Water Briefs: Feb. 15, 2012)
- Water Quality Markets - USDA Funding (Proposal Request) (TWR #96, Water Briefs: Feb. 15, 2012)
- Water Legislation in Kansas : "Use It or Lose It" - Abandonment and Multi-Year Groundwater Flex Accounts (TWR #97, Water Briefs: March 15, 2012)
- Infrastructure Funding of \$50 Million Announced by Interior (TWR #97, Water Briefs: March 15, 2012)
- Enhanced Conservation Reserve Program (CRP) Announced (Grasslands & Wetlands) (TWR #97, Water Briefs: March 15, 2012)
- Municipal Water Resources & Regional Planning: The Prairie Waters Project - Aurora, Colorado by Lisa Darling (TWR #98: April 15, 2012)
- The Water Efficiency and Conservation State Scorecard: An Assessment of Laws and Policies Released (TWR #99, Water Briefs: May 15, 2012)
- Kansas Groundwater Program: Multi-Year Flex Account Designed to Conserve Water & Extend Life of Ogallala Aquifer (TWR #99, Water Briefs: May 15, 2012)
- Conservation Plan in Oklahoma: Freshwater Conservation Legislation (TWR #100, Water Briefs: June 15, 2012)
- Wetlands Grants: Conservation & Habitat Grants from Dept. of Interior (TWR #100, Water Briefs: June 15, 2012)
- Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whychus Creek by Pamela Thalacker (TWR #101: July 15, 2012)
- Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi (TWR #104: Oct. 15, 2012)
- WaterSMART Update (TWR #105: Nov. 15, 2012)
- Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson (TWR #106: Dec. 15, 2012)
- Water Transfers in the West by Carlee Brown (TWR #107: January 15, 2013)
- Drilling Leases Purchased by Trust for Public Lands for Conservation (TWR #107, Water Briefs: January 15, 2013)
- Yakima Water Plan: The Other Side of the Story by Evans, Forsgaard, Maykut & Packard (TWR #108: Feb. 15, 2013)
- Agricultural Water Conservation Efficiency Grants - Bay Delta Restoration Program (TWR #109, Water Briefs: March 15, 2013)
- Bay Delta Plan: Drafts of Conservation Plan Released in California (TWR #110, Water Briefs: April 15, 2013)
- Water Supply Fund in Texas: \$2 Billion Investment Depends on Texans' Vote Following Passage by Legislature (TWR #112, Water Briefs: June 15, 2013)
- Water Pricing: Water Rates & the "New Normal" by Kristina Donnelly and Juliet Christian-Smith (TWR #114: August 15, 2013)
- "Conserved Water" Statute in Oregon: Change in Use from Irrigation to Instream Flow Approved (Canal Lining) (TWR #116, Water Briefs: Oct. 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Natural Infrastructure: Investing in Forested Landscapes for Source Water Protection in the United States (TWR #117, Water Briefs: Nov. 15, 2013)

Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon (TWR #118, Dec. 15, 2013)

U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service (TWR #118, Dec. 15, 2013)

Water & Land Use Assessment Tool: California's Locally Adaptable Tool (Water & Stormwater Impacts) by Patterson, Hinds & Lassiter (TWR #119: Jan. 15, 2014)

Bay Delta Conservation Plan Released for Public Review - California & Federal Partners (TWR #119, Water Briefs: Jan. 15, 2014)

California Water Action Plan Released (TWR #120, Water Briefs: Feb. 15, 2014)

Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. (TWR #121: March 15, 2014)

Regional Water Management Cooperation: Study Compares Four Cases in the West by Nathaniel Delano and Sharon B. Megdal (TWR #121: March 15, 2014)

Klamath Agreement - Upper Klamath Basin Comprehensive Agreement Reached (TWR #121, Water Briefs: March 15, 2014)

Colorado's Water Plan by Jayla Ryan Poppleton (TWR #123: May 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Freshwater Supply Report Released by GAO (TWR #124, Water Briefs: June 15, 2014)

WaterSense 2013 Report Released (TWR #125, Water Briefs: July 15, 2014)

Wyoming Water Plan - Comment Period (TWR #125, Water Briefs: July 15, 2014)

Conservation Plan: Colorado River System Conservation Program Agreement (Reclamation & Municipal Water)(TWR #126, Water Briefs: Aug. 15, 2014)

Water Conservation in California: Urban Water Use During Drought (TWR #128, Water Briefs, Oct. 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

California Drought: Use/Conservation Figures Released by State Water Resources Control Board (TWR #129: Water Briefs, Nov. 15, 2014)

Shopping for Water: How the Market Can Mitigate Water Shortages in the American West - The Hamilton Project Paper (TWR #129: Water Briefs, Nov. 15, 2014)

Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

[USGS Water Use Report Released: Withdrawals Dropping \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Water Utilities Training & Technical Assistance From EPA - Climate Change Resilience & Readiness \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Reclamation Contracts Challenge & the ESA: Supreme Court Denies Petition by Irrigation Districts \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Colorado Water Plan Draft Released \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Water Conservation in Drought: Steep Decline in Conservation in California \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Water Resource Issues in the 114th Congress-Congressional Research Service Report \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Mandatory Water Use Restrictions in California: Governor's Executive Order a First \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Water Conservation in California: State Water Board Issues Expanded Emergency Regulation \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Water Purchases: Metropolitan Water District's Board Authorizes \\$71 Million for Ag Water Transfers & Promotes Conservation \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

[Water Transfers Program by Reclamation Proposed for Voluntary Water Transfers in California \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Urban Water Conservation in Southern California: Encouraging Conservation Through Tradeable Allocations & Market Mechanisms by Bond, Motlow, Steely, Wang & Libecap \(TWR #136: June 15, 2015\)](#)

[Conservation Program Expanded: MWD of Southern California Adopts in Face of Drought \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[Texas Takings Case: Procedural Rulings - Claims Dismissed \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Agricultural Conservation: USDA Program Incentives & CRP-Grasslands Initiative \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Drought Compliance in California: Urban Use Reduced By 27% \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Turf & Toilets Rebate Programs in California \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley (TWR #140: Oct. 15, 2015)

Agency Enforcement - Drought Measures in California (TWR #140, Water Briefs: Oct. 15, 2015)

Reuse & Storage Conservation Program: Oregon Soliciting Comments on Applications for Grant Program (TWR #140, Water Briefs: Oct. 15, 2015)

LA's Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan (TWR #141: Nov. 15, 2015)

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

Water Enforcement in California: Conservation & Regulation (TWR #141, Water Briefs: Nov. 15, 2015)

Water & Power: Reclamation Science & Technology Development Projects (TWR #141, Water Briefs: Nov. 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

Water Plan Released in Colorado: Water Supply Strategies (TWR #142, Water Briefs: Dec. 15, 2015)

Drought Proofing in Oklahoma: Water for 2060 (TWR #142, Water Briefs: Dec. 15, 2015)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

Nevada Drought Forum Recommendations Report Released (TWR #143, Water Briefs: Jan. 15, 2016)

Fishery Regulations in California: Information Order & Potential Fines For Noncompliance (TWR #143, Water Briefs: Jan. 15, 2016)

Reservoir Evaporation Losses in the West Studied (TWR #143, Water Briefs: Jan. 15, 2016)

Natural Resource Investment Center Established by Department of Interior (TWR #143, Water Briefs: Jan. 15, 2016)

Finding "New Water" in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

"Quantified Conservation" - Measurement & Tracking of Environmental Outcomes & Impact by The Freshwater Trust (TWR #144, Water Briefs: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Cropland Recharge in California: Groundwater Recharge for Overdraft (TWR #145, Water Briefs: March 15, 2016)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

Reuse & Conservation: EPA Research Funding Announced (TWR #146, Water Briefs: April 15, 2016)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

AG/MUNI Water: Rotational Leasing-Following - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

Land & Water Conservation Fund: \$95 Million to be Distributed - Short of Fully Authorized Level (TWR #146, Water Briefs: April 15, 2016)

Report on Water Available for Replenishment of Groundwater in California: Interim White Paper (TWR #146, Water Briefs: April 15, 2016)

WRF Published Water Efficiency Study: Residential End Uses of Water, Version 2 (2016) (TWR #146, Water Briefs: April 15, 2016)

Drought Regulations Replaced With "Stress Test" Approach in California (TWR #148, Water Briefs: June 15, 2016)

CONSERVATION EASEMENTS:

Conservation Easements: Handbook Released (TWR #17, Water Briefs: July 15, 2005)

Instream Water Rights Settlement: Muckleshoot Indian Tribe and Seattle (TWR #26, Water Briefs: April 15, 2006)

Conservation Easements: Environmental Quality Incentives Program (EQIP) in Nebraska (TWR #30, Water Briefs: August 15, 2006)

Wetlands Initiative: New USDA Conservation Reserve Program (TWR #31, Water Briefs: Sept. 15, 2006)

Habitat Conservation & Farmland Conservation Reserves: USDA's CRP Program (TWR #93, Water Briefs: Nov. 15, 2011)

USDA Conservation Reserve Program (CRP) General Signup (TWR #96, Water Briefs: Feb. 15, 2012)

Enhanced Conservation Reserve Program (CRP) Announced (Grasslands & Wetlands) (TWR #97, Water Briefs: March 15, 2012)

New Restoration Program for Streams and Wetlands in Montana (TWR #110, Water Briefs: April 15, 2013)

Natural Infrastructure: Investing in Forested Landscapes for Source Water Protection in the United States (TWR #117, Water Briefs: Nov. 15, 2013)

Colorado River Basin Studies Released: Tribal Non-Consumptive Water Uses and Research Needs in the Basin (TWR #125, Water Briefs: July 15, 2014)

Wetlands Settlement in California: CWA Violations/Penalties (TWR #127, Water Briefs: Sept. 15, 2014)

Habitat Purchase: Transfer of Land to Tulalip Tribes (TWR #144, Water Briefs: Feb. 15, 2016)

"CONSERVATION RECOMMENDATIONS":

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

CONSERVATION RESERVE PROGRAM (CRP):

Agricultural Conservation: USDA Program Incentives & CRP-Grasslands Initiative (TWR #138, Water Briefs: August 15, 2015)

"CONSERVATION ZONES":

Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation by Molly Lawrence (TWR #131: Jan. 15, 2015)

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

"CONSERVED WATER" (STATUTE):

"Conserved Water" Statute in Oregon: Change in Use from Irrigation to Instream Flow Approved (Canal Lining) (TWR #116, Water Briefs: Oct. 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

CONSOLIDATION OF RIGHTS:

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

CONSTITUTIONAL RIGHTS (see also "TAKINGS"):

Domestic Wells in New Mexico: Senior Water Rights Protected in Court Decision (TWR #54, Water Briefs: August 15, 2008)

Colorado River: Quantification Settlement Agreement Invalidated (TWR #72, Water Briefs: Feb. 15, 2010)

Exempt Wells Ruling Reversed in New Mexico (Bounds Decision) (TWR #81, Water Briefs: Nov. 15, 2010)

Municipal Water Law Upheld by Washington Supreme Court: "Pumps and Pipes" & Expanded Municipal Suppliers (TWR #81, Water Briefs: Nov. 15, 2010)

Conjunctive Use Decisions: Applying the Prior Appropriation Doctrine to Groundwater Use by David Moon (TWR #86: April 15, 2011)

Takings & Water Rights: Applicability of the Takings Clause to Water Rights Regulations (Federal Circuit Developments) by Walston (TWR #93: Nov. 15, 2011)

"Taking" Decision in US Court of Federal Claims (Beneficial Use & Damages) (TWR #95, Water Briefs: Jan. 15, 2012)

Groundwater Rights & Regulation in Texas: Ownership and "Takings" (TWR #97, Water Briefs: March 15, 2012)

Texas Groundwater Ruling-*EAA v. Day*: Texas Supreme Court Confirms Landowner's Ownership of Groundwater in Place by McCarthy (TWR #99: May 15, 2012)

New Mexico Priority Administration: New Mexico Supreme Court Decision on State Engineer's Authority by David Moon (TWR #105: Nov. 15, 2012)

Chinatown Revisited: Water Waste Suit Filed by Los Angeles Department of Water and Power (TWR #105, Water Briefs: Nov. 15, 2012)

"Takings" Claim Denied in *Casitas* Case: Beneficial Use & Injury Alleged (TWR #110, Water Briefs: April 15, 2013)

Water Supply Fund in Texas: \$2 Billion Investment Depends on Texans' Vote Following Passage by Legislature (TWR #112, Water Briefs: June 15, 2013)

New Mexico's Exempt Wells Decision & Protection for Senior Water Users by David Moon (TWR #114: August 15, 2013)

Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo (TWR #119: Jan. 15, 2014)

Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith (TWR #133: March 15, 2015)

Preferences During Shortage Rejected in Texas - "Senior" Water Rights Protected (TWR #135, Water Briefs: May 15, 2015)

"Takings" Case Upheld for Groundwater Protection from Regulation in Texas (TWR #135, Water Briefs: May 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon (TWR #141: Nov. 15, 2015)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

CONSTRUCTION:

EPA Guidance: Compliance for Development (TWR #17, Water Briefs: July 15, 2005)

Water Delivery - Canals, Ditches and Pipelines: The Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton (TWR #41: July 15, 2007)

Stormwater Plan: EPA Guide for Construction Sites (TWR #48, Water Briefs: February 15, 2008)

Stormwater/Construction General Permit: EPA Proposal (TWR #52, Water Briefs: June 15, 2008)

Storm Water Regulation Update: Rough Waters In California by Wendy L. Manley (TWR #55: September 15, 2008)

EPA Clean Water Act Regs: 9th Circuit Affirms Mandate that EPA Issue Construction Industry Guidelines/Standards by Iani & Kennedy (TWR #57: Nov. 15, 2008)

Erosion Best Management Practices for Construction: EPA Seeks Comments (TWR #58, Water Briefs: December 15, 2008)

New Stormwater Regulations: EPA Proposes Rule for New Effluent Limitations-Guidelines for Construction & Development by Ziemer (TWR #59: Jan. 15, 2009)

Stormwater Permits in California: Construction General Permit Adopted (TWR #67, Water Briefs: Sept. 15, 2009)

California Storm Water Regulation: State Intensifies Regulation of Runoff from Construction Sites by Wendy L. Manley (TWR #68: Oct. 15, 2009)

Construction Sites: EPA Stormwater Rule (TWR #70, Water Briefs: Dec. 15, 2009)

Construction Stormwater BMPs: California Handbook Developed by California Stormwater Quality Association (CASQA) (TWR #71, Water Briefs: Jan. 15, 2010)

Construction Stormwater Regulation: EPA Withdraws Numeric Sedimentation Limits by Tom Lindley and Jessica Hamilton (TWR #79, Sept. 15, 2010)

EPA Construction Stormwater Rule: Seventh Circuit Clarifies Ruling by Tom Lindley and Jessica Hamilton (TWR #80: Oct. 15, 2010)

Stormwater General Construction Permits in California: Change to "Legally Responsible Person" (TWR #82, Water Briefs: Dec. 15, 2010)

Construction General Permit (Stormwater): EPA Permit Proposal - Comment Period Open (TWR #87, Water Briefs: May 15, 2011)

Green Construction - Tribal Community Adopts International Code (TWR #87, Water Briefs: May 15, 2011)

Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates (TWR #88: June 15, 2011)

Stormwater Construction Runoff: EPA Issues New Permit (TWR #97, Water Briefs: March 15, 2012)

Basin of Origin Claims of Tehama-Colusa Canal Authority Rejected by 9th Circuit - Reclamation Cutbacks Upheld (TWR #114, Water Briefs: August 15, 2013)

Stormwater Final Rule Published by EPA: Construction & Development (TWR #122, Water Briefs: April 15, 2014)

Stormwater Penalty: Hawaii Department of Transportation Agrees to Settlement for Violations (TWR #128, Water Briefs, Oct. 15, 2014)

Stormwater Regs: New Construction General Permit for NPDES Permits Proposed by EPA (TWR #146, Water Briefs: April 15, 2016)

CONSULTATION:

Reclamation Contracts Challenge & the ESA: Supreme Court Denies Petition by Irrigation Districts (TWR #130: Water Briefs, Dec. 15, 2014)

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

Crude Oil-By-Rail & the Endangered Species Act: Coming Soon to Train Tracks Near You? by Kristen L. Boyles (TWR #136: June 15, 2015)

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

CONSUMPTIVE USE:

Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert (TWR #107: January 15, 2013)

The Colorado River Basin Water Supply and Demand Study Released by Reclamation (TWR #107, Water Briefs: January 15, 2013)

Adverse Possession & Beneficial Use in Colorado by David Moon, Editor (TWR #108: Feb. 15, 2013)

Instream Use Change: irrigation to instream Transfer in Nevada Approved by State Engineer (TWR #122, Water Briefs: April 15, 2014)

Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones (TWR #138, August 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

Truckee River Operating Agreement Begins: Interstate Allocations (TWR #143, Water Briefs: Jan. 15, 2016)

Instream Flow Pilot Study in Oklahoma (TWR #143, Water Briefs: Jan. 15, 2016)

Climate Change Report on Oregon's Willamette Valley: Reclamation Reservoirs Buffer Impacts (TWR #143, Water Briefs: Jan. 15, 2016)

Prioritizing Management & Protection of the Colorado River's Environmental Resources - Colorado River Research Group (TWR #145, Water Briefs: March 15, 2016)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

CONSUMPTIVE USE CROPPING:

Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones (TWR #138, August 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

CONSUMPTIVE USE WATER:

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

CONTAMINANT EXPORT:

Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheaume (TWR #139, Sept. 15, 2015)

CONTAMINANTS or CONTAMINATION (see also Groundwater and Sediments):

Public Drinking Water Contamination by Michael Axline and Duane Miller (TWR #5: July 15, 2004)

Contaminant Data - EPA Forensic Tool for Evaluating Contamination (TWR #5, Water Briefs: July 15, 2004)

Groundwater Contamination - Arizona Study of PG&E Plume (TWR #14, Water Briefs: April 15, 2005)

Upper Columbia River Contamination: Transboundary Application of CERCLA by Du Bey, Ulick Rosenthal & Clark (TWR #15: May 15, 2005)

2005 Sediments Conference by Laura Kennedy (TWR #16: June 15, 2005)

Interstate Water Quality Battle: Oklahoma v. Poultry (TWR #20, Water Briefs: October 15, 2005)

Northwest Regional Sediment Evaluation: Development Project Overview & Update by Taku Fuji and Howard L. Cumberland (TWR #21: Nov. 15, 2005)

Stream Contamination Diagnostic Tool (EPA): Causal Analysis/Diagnosis Decision Information System (TWR #24, Water Briefs: February 15, 2006)

Contaminated Sediment Remediation Guidance Issued (TWR #24, Water Briefs: February 15, 2006)

Groundwater Pollution: Manufacturers Liability Verdict in California (TWR #29, Water Briefs: July 15, 2006)

Groundwater and Surface Water Contamination - Settlement Reached (TWR #32, Water Briefs: October 15, 2006)

Transboundary Pollution - 9th Circuit Order Appealed (TWR #37, Water Briefs: March 15, 2007)

Groundwater Cleanup in New Mexico - PCE Plume & Bioremediation Pilot Project (TWR #39, Water Briefs: May 15, 2007)

Water Contaminants: Safe Drinking Water List - EPA's Preliminary Determinations (TWR #39, Water Briefs: May 15, 2007)

Water Resources Supply: Groundwater Decision Support System Development by David Jordan, Cynthia Ardito and Van Kelley (TWR #48: February 15, 2008)

Drinking Water Contaminant Candidate List Comments Sought (TWR #49, Water Briefs: March 15, 2008)

Phytotreatment of Stormwater: Phytotreatment Findings Betoken a Promising Future by MacDonald, Dods, Futornick & Ferro (TWR #53: July 15,

2008)

Pharmaceuticals & Water Quality: EPA Information Collection Request (TWR #54, Water Briefs: August 15, 2008)

Hanford Contamination Lawsuit: Washington Sues DOE Over Cleanup Failure (TWR #58, Water Briefs: December 15, 2008)

California Water Supply: Challenges and Solutions by Dr. Cat Shrier (TWR #59: Jan. 15, 2009)

Priority Contaminants: EPA Drinking Water List (TWR #68, Water Briefs: Oct. 15, 2009)

Contaminate Sediments: EPA Order for Whitefish River in Montana (TWR #68, Water Briefs: Oct. 15, 2009)

Stormwater & Sediment Contamination: Minimizing Potential Sediment Recontamination & Associated Liability by Strecker, Quigley, and Leisenring (TWR #72: Feb. 15, 2010)

Drinking Water Supply: EPA Announces Stricter Regulations (TWR #74, Water Briefs: April 15, 2010)

Groundwater Study Released: USGS Contamination Study of Source Water (TWR #76, Water Briefs: June 15, 2010)

Hydraulic Fracturing Impacts: EPA Study Released - Public Meetings (TWR #77, Water Briefs: July 15, 2010)

Drinking Water Rules: Total Coliform - EPA Update (TWR #77, Water Briefs: July 15, 2010)

Water Supply Protection: EPA/DOE "Canary" Software (TWR #78, Water Briefs: Aug. 15, 2010)

Hydraulic Fracturing: Wyoming Approves Regulations Governing Disclosure of Chemicals (TWR #79, Water Briefs: Sept. 15, 2010)

Hydraulic Fracturing: The Road to EPA's New "Fracking" Study by Adam Orford (TWR #80: Oct. 15, 2010)

Drinking Water Contamination From Fracking in Texas: EPA Order (TWR #83, Water Briefs: Jan. 15, 2011)

Columbia River Basin Toxics Reduction: Action Plan in Effect by Mary Lou Soscia (TWR #84: Feb. 15, 2011)

EPA Complaint Filed: Emergency Order Enforcement in Texas (TWR #84, Water Briefs: Feb. 15, 2011)

Water Contaminants Information Tool Available from EPA (TWR #85, Water Briefs: March 15, 2011)

Aquifer Cleanup in New Mexico: County & City System Required (PCE Contamination) (TWR #85, Water Briefs: March 15, 2011)

Contaminant Monitoring for Drinking Water: EPA Proposal for Unregulated Contaminants (TWR #85, Water Briefs: March 15, 2011)

Hydraulic Fracturing Debate: The Long and Winding Road Towards Regulation by Bruce Baizel (TWR #90: August 15, 2010)

Mercury Contamination in Arizona: Fish Consumption Advisory Issued by ADEQ (TWR #90, Water Briefs: August 15, 2011)

Water Reuse in the West - Institutional Restraints (Western States Water Council Report) by Nathan Bracken (TWR #93: Nov. 15, 2011)

Fracking Pollution Causal Link Found in EPA Draft Report (Groundwater Contamination) (TWR #95, Water Briefs: Jan. 15, 2012)

Fracking Investigation of Groundwater Contamination to Continue in Wyoming (TWR #98, Water Briefs: April 15, 2012)

[Drinking Water Contaminants List: EPA Working With Water Systems to Monitor Unregulated Contaminants \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Fracking Requirements by Interior: Disclosure & UIC Diesel Fuel Use \(Proposed Rules & Permitting Guidance\) \(TWR #100, Water Briefs: June 15, 2012\)](#)

[Emerging Contaminants Advisory Panel Forming in Arizona \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Groundwater Cleanup at Superfund Site in Los Angeles: \\$6 Million Settlement \(Drinking Water Protection\) \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Contaminants in Wastewater Effluent & Stormwater Runoff - Columbia River Basin: USGS Study \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Groundwater Cleanup: Commingled Treatment System at California Superfund Site \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Upcoming EPA Drinking Water Proposals by J. Alan Roberson, P.E. \(TWR #103: Sept. 15, 2012\)](#)

[Transboundary Pollution Case Continues - Agreement Conceding Liability Reached Just Before Trial \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[*Disposal of Large Amounts of Contaminated Water: A Support Guide for Water Utilities* Released by EPA \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[Transboundary Case \(*Pakootas v. Teck*\) - Pollution Liability Under U.S. Law \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Groundwater Contaminated Sources for Drinking Water Supply - California Report \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Uranium Decontamination Cleanup: EPA Five-Year Plan Report on Progress \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Cleanup Settlement at Goodrich Superfund Site in California \(EPA\): TCA & Perchlorate \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Utah DWQ Issues Notice of Violation & Compliance Order Requesting Chevron Report on Diesel Spill \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Fracking Rule for Public & Indian Lands Proposed by Interior \(TWR #112, Water Briefs: June 15, 2013\)](#)

[Safe Drinking Water Act Fine - Injection Well Violations in Colorado \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Arkansas Valley Conduit in Colorado: Regional Water Pipeline Project - Condensed/Edited from US Bureau of Reclamation Documents \(TWR #115: Sept. 15, 2013\)](#)

[Public Supply Wells: Factors that Affect Vulnerability to Contamination - USGS Circular \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Groundwater Workplan Concept Paper Discussion Draft Released by State Water Resources Control Board \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[UIC Violations in Utah: Safe Drinking Water Penalty of \\$600,000 \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, \(TWR #122: April 15, 2014\)](#)

[Fracking Verdict in Texas: Jury Awards \\$3 Million Damages to Family for Exposure \(TWR #123, Water Briefs: May 15, 2014\)](#)

[PCB Contamination: Record Civil Penalty Announced by EPA in Nevada \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Clean Water Act Citizen Suit in Colorado - South Platte Pollution \(TWR #125, Water Briefs: July 15, 2014\)](#)

- Drinking Water: EPA Funds Two Innovation Centers (TWR #127, Water Briefs: Sept. 15, 2014)
- Tribal Settlement Concerning Drinking & Wastewater Systems Entered by The Omaha Tribe of Nebraska (TWR #128, Water Briefs, Oct. 15, 2014)
- Strontium Regulation: EPA Preliminary Determination (TWR #129: Water Briefs, Nov. 15, 2014)
- Duwamish Cleanup: Superfund Final Plan in Seattle Waterway (TWR #130: Water Briefs, Dec. 15, 2014)
- The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt (TWR #134: April 15, 2015)
- Hydraulic Fracturing: Interior's Rule Released for Public & American Indian Lands (TWR #134, Water Briefs: April 15, 2015)
- Algal Toxins: EPA Issues Health Advisory Values (TWR #136, Water Briefs: June 15, 2015)
- Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)
- The Pope Talks On Water: Pope Francis' Encyclical on "The Issue of Water" (TWR #137, Water Briefs: July 15, 2015)
- EPA Fracking Study "Draft Assessment" Released (TWR #137, Water Briefs: July 15, 2015)
- Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi (TWR #138, August 15, 2015)
- Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder (TWR #139, Sept. 15, 2015)
- Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheume (TWR #139, Sept. 15, 2015)
- Sediment Cleanup in Seattle: Penalties Issued for Violations of Cleanup Agreement (TWR #139, Water Briefs: Sept. 15, 2015)
- Delta Stormwater Settlement: Toxic Discharges Suit Under ESA & Clean Water Act (TWR #140, Water Briefs: Oct. 15, 2015) Plastic "Microbeads" Study Proposes Outright Ban for Wastewater Problem (TWR #140, Water Briefs: Oct. 15, 2015)
- Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)
- Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)
- EPA Enforcement and Compliance Report for 2015 Released (TWR #143, Water Briefs: Jan. 15, 2016)
- Nuclear Plant Impacts: NRC Proposed Guidance for Groundwater Protection (TWR #143, Water Briefs: Jan. 15, 2016)
- Finding "New Water" in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)
- EPA Enforcement: Seven National Enforcement Initiatives Announced for 2017-2019 (TWR #145, Water Briefs: March 15, 2016)
- Drinking Water Mapping Application to Protect Source Waters (DWMAPS): Mapping Tool Released by EPA (TWR #145, Water Briefs: March 15, 2016)
- Fracking & Drinking Water Sources: Stanford Researchers Show Fracking's Impact to Drinking Water Sources by Rob Jordan (TWR #146: April 15,

2016)

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

Reuse & Conservation: EPA Research Funding Announced (TWR #146, Water Briefs: April 15, 2016)

Fracking Report Clarification (TWR #146, Water Briefs: April 15, 2016)

Fracking Spills in North Dakota: Duke University Study on Widespread Water & Soil Contamination (TWR #146, Water Briefs: April 15, 2016)

"CONTEMPLATED DRAFT":

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

CONTRACTUAL RIGHTS or CONTRACT LAW:

Takings and Water Rights: Constitutional & Contractual Remedies for Government Takings by Roger J. Marzulla (TWR #21: Nov. 15, 2005)

Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering (TWR #43, Sept. 15, 2007)

Water Rights Ownership Decision: Trust Relationship Between Irrigation Districts and Water Users by David C. Moon (TWR #54, August 15, 2008)

Water Marketing in Texas: Selling or Leasing of Groundwater and Surface Water Rights by Edmond R. McCarthy, Jr. (TWR #62: April 15, 2009)

Recycled Wastewater Disposal: Santa Margarita River Case in California (TWR #67, Water Briefs: Sept. 15, 2009)

Reclamation Found Liable - Breach of Contract and "Takings" Decision (TWR #68, Water Briefs: Oct. 15, 2009)

Klamath Settlement Agreements: Part II by Glen Spain (TWR #71: Jan. 15, 2010)

Reclaimed Water Management: Using Vadose Zone Recharge Wells - The Arizona Experience by Floyd L. Marsh and Gary G. Small (TWR #74, April 15, 2010)

Klamath "Takings" - Ownership of Water Rights & the Bureau of Reclamation by David Moon (TWR #74, April 15, 2010)

Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill (TWR #76: June 15, 2010)

Oklahoma Water Storage: Tribal Concerns Raised - Municipalities Purchase Reclamation Project by David Moon, Editor (TWR #79, Sept. 15, 2010)

Oklahoma Storage Transfer Controversy: Tribal Nations & Local Interests Oppose the Transfer Agreement by David Moon, Editor (TWR #80: Oct. 15, 2010)

New Water Management Model: The Umatilla Basin Water Commission - Counties, Irrigation District & Confederated Tribes Form Administrative Body by Martha Pagel (TWR #87: May 15, 2011)

Anti-Speculation Decision in Colorado: Need & Speculative Sales (TWR #87, Water Briefs: May 15, 2011)

Lake Lanier Ruling in the Southeast: Reclamation Reservoir & "Water Supply" Purpose 11th Circuit Decision (TWR #89, Water Briefs: July 15, 2011)

Basin of Origin Claim Denied by Federal Judge in California: Reclamation Prevails Over Tehama-Colusa Canal Authority (TWR #91, Water Briefs: Sept. 15, 2011)

Reclaimed Wastewater: Hopi Tribe in Arizona Sues Flagstaff Over Snowmaking Proposal (TWR #91, Water Briefs: Sept. 15, 2011)

Water Utility Sale Proposed - Carlyle Group Purchase of Missoula's Water Company (TWR #92, Water Briefs: Oct. 15, 2011)

Takings & Water Rights: Applicability of the Takings Clause to Water Rights Regulations (Federal Circuit Developments) by Walston (TWR #93: Nov. 15, 2011)

Speculative Use or Regional Provider: Company Applies for Massive Water Right in Oregon by David Moon (TWR #94: Dec. 15, 2011)

Rotational Agreement Held Not a Change in Water Rights by Colorado Supreme Court (TWR #95, Water Briefs: Jan. 15, 2012)

Treaty Tribes & Hatcheries by Alan C. Stay (TWR #99: May 15, 2012)

Historic Use & "Takings" Decision in Colorado: Transfer Application Prompts Review (TWR #100, Water Briefs: June 15, 2012)

Indian Water Right Negotiations: Interior's Considerations When Appointing Federal Negotiation Teams by Duane Mecham (TWR #111: May 15, 2013)

Basin of Origin Claims of Tehama-Colusa Canal Authority Rejected by 9th Circuit - Reclamation Cutbacks Upheld (TWR #114, Water Briefs: August 15, 2013)

Reclamation Manual Policies and Directives and Standards Finalized by Bureau (TWR #114, Water Briefs: August 15, 2013)

Interstate Water Compacts: The US Supreme Court's *Tarrant* Decision and the Risk of Silence by Steven Richardson (TWR #116: Oct. 15, 2013)

Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon (TWR #118, Dec. 15, 2013)

Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo (TWR #119: Jan. 15, 2014)

Ninth Circuit: Reclamation Renewal of Water Supply Contracts from Bay-Delta Ecosystem Violated ESA (TWR #123, Water Briefs: May 15, 2014)

Federal Breach of Contract: Reclamation Loses Appeal on Breach of Contract Claim by David Moon (TWR #127: Sept. 15, 2014)

Oral Arguments in *Kansas v. Nebraska and Colorado*: Interstate Compact, Damages & Imported Water (TWR #129: Water Briefs, Nov. 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Reclamation Contracts Challenge & the ESA: Supreme Court Denies Petition by Irrigation Districts (TWR #130: Water Briefs, Dec. 15, 2014)

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

CONTROL OF WATER (see also PRIVATIZATION):

The Pope Talks On Water: Pope Francis' Encyclical on "The Issue of Water" (TWR #137, Water Briefs: July 15, 2015)

CONVERSION FORMULA:

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

CONVEYANCE RATES:

Rate Case Award for Illegal Water Rates: \$188 Million in Damages (TWR #138, Water Briefs: August 15, 2015)

CONVEYANCE SYSTEM or FACILITIES:

Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon (TWR #118, Dec. 15, 2013)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill (TWR #134: April 15, 2015)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

Clean Watersheds Needs Survey Released by EPA (TWR #144, Water Briefs: Feb. 15, 2016)

COOLING SYSTEMS and COOLING WATER:

Aquatic Ecosystems: EPA Proposed Protection Standards (TWR #86, Water Briefs: April 15, 2011)

At the Water-Energy Nexus: Renewable Energy from In-Conduit Hydropower by Jennifer Allen Newton (TWR #112: June 15, 2013)

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

Cooling Water Intakes: EPA Standards Finalized (TWR #124, Water Briefs: June 15, 2014)

The Impacts of EPA's Clean Power Plan on Electricity Generation and Water Use in Texas (TWR #131: Water Briefs, Jan. 15, 2015)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

Cooling Water Intake Website Redesigned by EPA (TWR #138, Water Briefs: August 15, 2015)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Floating Solar Program in Japan: Benefits of Floating Plants (TWR #144, Water Briefs: Feb. 15, 2016)

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

COOLING WATER INTAKES:

Cooling Water Intake Website Redesigned by EPA (TWR #138, Water Briefs: August 15, 2015)

COOPERATION:

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

COPPER:

Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher (TWR #148: June 15, 2016)

COPPER EXPORT:

Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheaume (TWR #139, Sept. 15, 2015)

CORPS OF ENGINEERS (U.S. Army Corps of Engineers):

Final EIS: Missouri River Master Manual (TWR #1, Water Briefs: March 15, 2004)

Montana Amicus Brief Seeks Supreme Court Review (TWR #2, Water Briefs: April 15, 2004)

River Management & the ESA: Missouri River Litigation (Navigation Versus Fish & Wildlife) by Hayes, Schneider & Sturkie (TWR #4: June 15, 2004)

Water and the Environment - The Role of Ecosystem Restoration by Sharon B. Megdal (TWR #16: June 15, 2005)

[Missouri River Operating Plan: Spring Pulse Delay \(TWR #25, Water Briefs: March 15, 2006\)](#)

[Pecos River Lawsuit Filed - ESA Violations Alleged Against Bureau of Reclamation and Corps of Engineers \(TWR #26, Water Briefs: April 15, 2006\)](#)

[Wetlands Restoration and Preservation Rule Proposed by EPA and Corps \(TWR #26, Water Briefs: April 15, 2006\)](#)

[Missouri River 2006 Spring Pulse: Storage Releases by Corps of Engineers from Upstream Reservoirs \(TWR #28, Water Briefs, June 15, 2006\)](#)

[Clean Water Act Wetlands Jurisdiction: US Supreme Court Rules on *Rapanos & Carabell* by Jennie Bricker \(TWR #29: July 15, 2006\)](#)

[Supreme Court Decides Wetlands Cases *Rapanos & Carabell* by Roderick Walston \(TWR #30: August 15, 2006\)](#)

[Clean Water Act Settlement: Wetlands Preservation & Enhancement \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Corps Dredging Regulation: District Court Strikes Down Tulloch II Dredging Rule by Steve Richardson and Sam Kalen \(TWR #37: March 15, 2007\)](#)

[Wetlands Permits - Corps of Engineers Revises Nationwide Permits \(TWR #38, Water Briefs: April 15, 2007\)](#)

[US Army Corps Dam Safety Report Issued for Wolf Creek Dam \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Clean Water Act Jurisdiction: Army Corps Jurisdictional Wetlands Determinations by Douglas W. MacDougal \(TWR #47: January 15, 2008\)](#)

[Columbia River Power System Draft BiOp: Judge Expresses Doubts \(TWR #47, Water Briefs: January 15, 2008\)](#)

[Wetlands Compensatory Mitigation Rule Released by Corps of Engineers \(Unavoidable Impacts\) \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Columbia Basin Fish Accords Signed \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Wetlands Enforcement: Clean Water Act Settlement in Idaho \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Wetlands Delineation: New Corps Guidance \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Clean Water Act & Rivers & Harbors Act Jurisdictional Determinations: Corps Guidance Issued \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Water Management Alternatives: Incorporating "New" Water Management Methods at a Watershed Scale by Cat Shrier \(TWR #56: October 15, 2008\)](#)

[Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell \(TWR #56: October 15, 2008\)](#)

[Wetlands Penalty Agreement in South Dakota: Illegal Fill Results in Clean Water Act Violations \(TWR #56, Water Briefs: October 15, 2008\)](#)

[Wetlands Violation & Agreement in North Dakota: Unauthorized Dredge & Fill \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Clean Water Act Violations in Arizona: Santa Cruz River Illegal Filling Results in \\$1.25 Million Penalty \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Wetlands Revised Guidance: Clean Water Act Scope and Jurisdiction \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Final Sediment Evaluation Framework \(SEF\) for the Pacific Northwest: CORPS' Draft Framework Comment Period \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Hydro Project Settlement: Tacoma Power & Skokomish Tribal Nation Reach Detailed Agreement \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Columbia River BiOp: Fed Plan for Hydropower System Argue ESA Requirements \(TWR #61, Water Briefs: March 15, 2009\)](#)

[Mine Slurry Permit: Corps v. EPA Authority \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith \(TWR #69: Nov. 15, 2009\)](#)

[Section 404 Clean Water Act Overhaul: EPA Enforcement Changes Urged \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[Clean Water Act Enforcement in Colorado: River/Wetlands Damage Agreement \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[New Era of Interbasin Water Transfers: Part II by Barbara Cosens \(TWR #73: March 15, 2010\)](#)

[Clean Water Act Enforcement in Alaska: Wetlands and Streams Damaged \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Oklahoma Water Storage: Tribal Concerns Raised - Municipalities Purchase Reclamation Project by David Moon, Editor \(TWR #79, Sept. 15, 2010\)](#)

[Oklahoma Storage Transfer Controversy: Tribal Nations & Local Interests Oppose the Transfer Agreement by David Moon, Editor \(TWR #80: Oct. 15, 2010\)](#)

[Dredging Opposed in Missouri River: EPA Objects to Corps Proposals \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Hydropower Potential: Bureau of Reclamation Facilities Report \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Nebraska's Evolving Water Law: Challenges & Opportunities - Part II by Mary E. Kelly \(TWR #82: Dec. 15, 2010\)](#)

[Climate Change Needs: Research for Long-Term Planning - Report Issued by Corps & Reclamation \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Water Policy RFP: Army Corps Program \(TWR #86, Water Briefs: April 15, 2011\)](#)

[Lake Lanier Ruling in the Southeast: Reclamation Reservoir & "Water Supply" Purpose 11th Circuit Decision \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Identifying Waters Protected by the Clean Water Act - Comment Period Extended \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Tribal Fish Accord Between Federal Agencies & Kalispel Tribe \(Columbia Basin\) \(TWR #90, Water Briefs: August 15, 2011\)](#)

[BiOp Rejected Again: Columbia River Plan Found Arbitrary & Capricious \(Specific Mitigation Plan Not Identified\) \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Illegal Stream Fill Settlement in California: \\$500,000 in Restoration Stipulated \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey \(TWR #97: March 15, 2012\)](#)

[Surplus Water in Reclamation Projects: Corps Pricing Policy Being Developed \(M&I Use Included\) \(TWR #100, Water Briefs: June 15, 2012\)](#)

[Corps Levee Policy on Vegetation Removal: CDFG Files Suit Against Removal Requirement \(TWR #100, Water Briefs: June 15, 2012\)](#)

[The Columbia River, Basin, and Treaty: Upcoming Treaty Date is Focussing Basin Water Management Issues by Stan Miller \(TWR #101: July 15,](#)

2012)

Wetland Delineations: New Wetland Plant List Available from US Army Corps of Engineers (TWR #101, Water Briefs: July 15, 2012)

Kalispel Tribe Agreement With Federal Agencies: Habitat & Fish Stocks in Columbia Basin (TWR #102, Water Briefs: August 15, 2012)

Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi (TWR #104: Oct. 15, 2012)

Army Corps Infrastructure: Management of Aging Systems (National Research Council Report) (TWR #104, Water Briefs: Oct. 15, 2012)

Missouri River Municipal & Industrial Water Storage Reallocation Study Released by U.S. Army Corps of Engineers (TWR #106, Water Briefs: Dec. 15, 2012)

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

New Restoration Program for Streams and Wetlands in Montana (TWR #110, Water Briefs: April 15, 2013)

Temporary Flooding Found to Support "Takings" Award by Federal Circuit - Army Corps Project (TWR #119, Water Briefs: Jan. 15, 2014)

GAO Report on Fed Agency Actions: Climate Change on Water Infrastructure (TWR #119, Water Briefs: Jan. 15, 2014)

Clean Water Act Jurisdiction - Proposed Rule Released (TWR #122, Water Briefs: April 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Los Angeles River Ecosystem Restoration Study (TWR #124, Water Briefs: June 15, 2014)

Mining & Fisheries: EPA Proposal for Bristol Bay, Alaska (TWR #126, Water Briefs: Aug. 15, 2014)

Dam Pollution Settlement: Oil Leakage at Columbia & Snake River Dams and the Clean Water Act (TWR #126, Water Briefs: Aug. 15, 2014)

Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer (TWR #127: Sept. 15, 2014)

Wetlands Settlement in California: CWA Violations/Penalties (TWR #127, Water Briefs: Sept. 15, 2014)

Fracking Settlement-Fill Material Discharges: Civil Penalty and Restoration in Clean Water Act Case (TWR #131: Water Briefs, Jan. 15, 2015)

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

Nutrient Reduction Strategies Devised by Hypoxia Task Force-Gulf States (TWR #133, Water Briefs: March 15, 2015)

Water Resource Issues in the 114th Congress-Congressional Research Service Report (TWR #133, Water Briefs: March 15, 2015)

Clean Water Act Rule Finalized: CWA Jurisdiction (TWR #136, Water Briefs: June 15, 2015)

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

"Waters of the US" Definition: Preliminary Injunction Stops Application of New EPA/Army Corps Rule by David Moon (TWR #139, Sept. 15, 2015)

[Sediment Cleanup in Seattle: Penalties Issued for Violations of Cleanup Agreement \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Drought Proofing in Oklahoma: Water for 2060 \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Instream Flow Pilot Study in Oklahoma \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Climate Change Report on Oregon's Willamette Valley: Reclamation Reservoirs Buffer Impacts \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Clean Water Act Decision: Jurisdictional Determination Appealable Immediately \(TWR #148, Water Briefs: June 15, 2016\)](#)

[Stock Pond Permit Settlement: EPA & Landowners Settle Clean Water Act Lawsuit \(TWR #148, Water Briefs: June 15, 2016\)](#)

[Tribal Fishing Rights Lead to Coal Terminal Rejection by the Corps of Engineers \(TWR #148, Water Briefs: June 15, 2016\)](#)

CORRELATIVE RIGHTS:

[Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering \(TWR #43, Sept. 15, 2007\)](#)

[Nebraska's Evolving Water Law: Challenges and Opportunities Part I by Mary E. Kelly \(TWR #81: November 15, 2010\)](#)

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill \(TWR #129: Nov. 15, 2014\)](#)

[The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon \(TWR #134: April 15, 2015\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

COST OF SERVICE (Utilities):

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

COSTS/BENEFITS ANALYSIS:

[Yakima Water Plan: The Other Side of the Story by Evans, Forsgaard, Maykut & Packard \(TWR #108: Feb. 15, 2013\)](#)

[Instream Flows Decision in Washington: Protection from Impairment - Reserved Use Rule \(Reservation\) Invalid by David Moon \(TWR #116: Oct. 15, 2013\)](#)

[Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde \(TWR](#)

#117, Nov. 15, 2013)

Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson (TWR #118, Dec. 15, 2013)

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)

Water Investments: Principles, Requirements & Guidelines for Federal investments Released (TWR #131: Water Briefs, Jan. 15, 2015)

Benefit-Cost Analysis of the Yakima Basin Integrated Plan Projects (TWR #131: Water Briefs, Jan. 15, 2015)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

Stormwater Runoff, Combined Sewer Overflows, and Infrastructure Research Funding (TWR #148, Water Briefs: June 15, 2016)

COST SHARE:

Indian Water Right Negotiations: Interior's Considerations When Appointing Federal Negotiation Teams by Duane Mecham (TWR #111: May 15, 2013)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

Authors' Responses: Yakima River Basin Integrated Plan (TWR #135: May 15, 2015)

COSTS OF COMPLIANCE:

Clean Water Decision Regarding Costs of Compliance (TWR #15, Water Briefs: May 15, 2005)

Contaminated Sediments Update: Conference Links Law, Science & Public Policy by Heather Brunelle and Cindy Ryals (TWR #45, Nov. 15, 2007)

Cooling Water Intake Rule - Supreme Court to Review (TWR #51, Water Briefs: May 15, 2008)

EPA "eDISCLOSURE" Pilot Project: Self-Disclosure of Environmental Violations (TWR #55, Water Briefs: September 15, 2008)

Stock Pond Permit Settlement: EPA & Landowners Settle Clean Water Act Lawsuit (TWR #148, Water Briefs: June 15, 2016)

COUNTY ORDINANCE and PLANNING:

Conjunctive Use in California's Central Valley: Mixed Results After Decades of Groundwater Banking by Jennifer Spaletta (TWR #111: May 15, 2013)

Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson (TWR #117, Nov. 15, 2013)

COURT POWER or COURT AUTHORITY:

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

"COVER" DAMAGES:

Federal Breach of Contract: Reclamation Loses Appeal on Breach of Contract Claim by David Moon (TWR #127: Sept. 15, 2014)

CREATIVE SOLUTIONS:

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

CREDIBILITY DEFERENCE:

Whooping Crane ESA Case: Fifth Circuit Refuses to Reconsider ESA "Take" Challenge by David Moon (TWR #131: Jan. 15, 2015)

CREDITS and CREDITING SYSTEM (REGISTRY):

"Recovery Crediting System" Guidance Developed by USFWS for Endangered Species (TWR #55, Water Briefs: September 15, 2008)

CERCLA-NRDA Restoration: Ecocredits/Liability Coverage for Duwamish River Sites by Scott Lockert (TWR #57: November 15, 2008)

Water Quality Markets - USDA Funding (Proposal Request) (TWR #96, Water Briefs: Feb. 15, 2012)

Water Quality Trading - "In It Together: A How-To Reference for Building Point-Nonpoint Water Quality Trading Programs by Cochran, Maness & Lindley (TWR #103: Sept. 15, 2012)

Arizona Groundwater Management by Sharon B. Megdal (TWR #104: Oct. 15, 2012)

Ben Grumbles & The U.S. Alliance: Interview by Tom Lindley (TWR #104: Oct. 15, 2012)

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

New Restoration Program for Streams and Wetlands in Montana (TWR #110, Water Briefs: April 15, 2013)

Water Quality Trading: An Update on Lawsuits and Legal Challenges by Teresa Jacobs and Priscilla Hampton (TWR #112: June 15, 2013)

Nutrient Trading & Water Quality by Susan Parker Bodine (TWR #113: July 15, 2013)

Stream Flow Enhancement/Groundwater Mitigation in Washington - Stormwater Capture & Groundwater Recharge (TWR #120, Water Briefs: Feb. 15, 2014)

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Northwest Water Quality Trading: Joint Recommendations in the Pacific Northwest by Sanneman, Cochran, Culliney, Furia, Power & Wigington (TWR #125: July 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Evan Mortimer & David R. Tuthill (TWR #129: Nov. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Truckee River Operating Agreement Begins: Interstate Allocations (TWR #143, Water Briefs: Jan. 15, 2016)

Natural Resource Investment Center Established by Department of Interior (TWR #143, Water Briefs: Jan. 15, 2016)

CREDIT TRADING:

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Truckee River Operating Agreement Begins: Interstate Allocations (TWR #143, Water Briefs: Jan. 15, 2016)

Natural Resource Investment Center Established by Department of Interior (TWR #143, Water Briefs: Jan. 15, 2016)

CREOSOTE PILINGS:

Sediment Cleanup in Seattle: Penalties Issued for Violations of Cleanup Agreement (TWR #139, Water Briefs: Sept. 15, 2015)

CRIMINAL PROSECUTION:

- Clean Water Act Violation - Industrial Wastewater (TWR #14, Water Briefs: April 15, 2005)
- Criminal Sentence in Hazardous Waste Case (TWR #15, Water Briefs: May 15, 2005)
- Stormwater Discharge Vioaltions by Seven-Up/RC Bottling Company (TWR #22, Water Briefs: Dec. 15, 2005)
- Safe Drinking Water Violations: \$1 Million Penalty for Refinery (TWR #41, Water Briefs: July 15, 2007)
- Pipeline Releases Ammonia: Criminal CWA Penalty of \$1 Million (TWR #43, Water Briefs: Sept. 15, 2007)
- Toxic Discharges Criminal Fine by EPA in Texas (TWR #44, Water Briefs: Oct. 15, 2007)
- Criminal Prosecution of Clean Water Act Failure to Report (TWR #54, Water Briefs: August 15, 2008)
- Clean Water Act: Largest Fine Ever in Stormwater Criminal Misdemeanor Action (\$13 million) (TWR #56, Water Briefs: October 15, 2008)
- Clean Water Act Enforcement: Criminal Sentencing (TWR #57, Water Briefs: November 15, 2008)
- Water Treatment Supervisor Pleads Guilty to Falsifying Reports (TWR #63, Water Briefs: May 15, 2009)
- Environmental Crime & Assault Results in Twenty-Year Sentence in Utah (TWR #69, Water Briefs: Nov. 15, 2009)
- Enforcement Results: EPA 2010 Compliance Report - Criminal & Civil Penalties and Mapping Tool (TWR #83, Water Briefs: Jan. 15, 2011)
- Criminal Clean Water Act Violation: DARIGOLD Pleads Guilty (TWR #89, Water Briefs: July 15, 2011)
- Stormwater: Felony Violations of the Clean Water Act Lead to Large Fine & Possible Jail Time (TWR #99, Water Briefs: May 15, 2012)
- Prison Sentence for Clean Water Act Violations in Washington (TWR #105, Water Briefs: Nov. 15, 2012)
- Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase (TWR #108: Feb. 15, 2013)
- WALMART Pleads Guilty to CWA, FIFRA, & RCRA Violations (TWR #112, Water Briefs: June 15, 2013)
- Clean Water Act Enforcement: Oil Spill Fines & Restitution in Wyoming - Criminal Charges Pending (TWR #120, Water Briefs: Feb. 15, 2014)
- EPA Enforcement & Compliance Report Issued for 2013 (TWR #120, Water Briefs: Feb. 15, 2014)
- Illegal Sewage Dump Results in Prison Time and Fine in Washington (TWR #124, Water Briefs: June 15, 2014)
- EPA Enforcement & Compliance Report for 2014 (TWR #133, Water Briefs: March 15, 2015)
- EPA Enforcement and Compliance Report for 2015 Released (TWR #143, Water Briefs: Jan. 15, 2016)

CRITERIA & PROCEDURES:

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

"CRITICAL GROUND WATER AREAS" / "CRITICAL MANAGEMENT AREA":

Umatilla Basin Aquifer Restoration Project: New Management Model at the Crossroads by Martha Pagel (TWR #109: March 15, 2013)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

CRITICAL HABITAT:

Critical Habitat Exclusions Considered (TWR #10, Water Briefs: Dec. 15, 2004)

Bull Trout Lawsuit Filed Over Critical Habitat Designations (TWR #11, Water Briefs: Jan. 15, 2005)

Santa Ana Sucker Critical Habitat Revised in California (TWR #11, Water Briefs: Jan. 15, 2005)

Endangered Species Act Update: Summary of the 12th Annual ESA Conference by Greg D. Corbin (TWR #12: Feb. 15, 2005)

Critical Habitat Public Comment Extension: Salmon & Steelhead (TWR #12, Water Briefs: Feb. 15, 2005)

Law of the Rio Grande (Report from the 6th Annual Conference) by David Moon, Editor (TWR #13: March 15, 2005)

Critical Habitat, Bull Trout and Politics by Arlene Montgomery (TWR #14: April 15, 2005)

Critical Habitat: NOAA Cuts by 80% (NW & California) (TWR #19, Water Briefs, September 15, 2005)

Critical Habitat for Bull Trout - Final Rule (TWR #20, Water Briefs: October 15, 2005)

Critical Habitat Designation (Bull Trout) - Lawsuit Challenges Agency Determination (TWR #24, Water Briefs: February 15, 2006)

Navajo Reservoir FEIS Completed - Flow Recommendations and Authorized Purposes (TWR #27, Water Briefs: May 15, 2006)

Critical Habitat Designated by NOAA for Green Sturgeon in California & Oregon (TWR #69, Water Briefs: Nov. 15, 2009)

Bull Trout Critical Habitat Dramatically Expanded Following Revisions (TWR #72, Water Briefs: Feb. 15, 2010)

EPA Proposes New Permit Requirements for Pesticide Discharges (TWR #76, Water Briefs: June 15, 2010)

Bull Trout Habitat: USFWS Revises Critical Habitat Designation (TWR #81, Water Briefs: Nov. 15, 2010)

ESA Improvement: USFWS & NOAA Fisheries Effort (TWR #88, Water Briefs: June 15, 2011)

[Spotted Owl Recovery: Revised USFWS Plan \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Southwestern Willow Flycatcher Critical Habitat Set by US Fish & Wildlife Service \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Critical Habitat for Lower Columbia River Coho & Puget Sound Steelhead: Comments Closing Soon \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Bay Delta Deliveries: Reduced Pumping & Endangered Species Act Issues \(TWR #109, Water Briefs: March 15, 2013\)](#)

[ESA & 1872 Mining Act Decision \(Suction Dredge Impacts\) - ESA Trumps \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Klamath BiOp - Operations of Klamath Project Through 2023 Announced by Reclamation \(NMFS & USFWS BiOp\) \(TWR #112, Water Briefs: June 15, 2013\)](#)

[Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson \(TWR #118, Dec. 15, 2013\)](#)

[Ninth Circuit: Reclamation Renewal of Water Supply Contracts from Bay-Delta Ecosystem Violated ESA \(TWR #123, Water Briefs: May 15, 2014\)](#)

[Critical Habitat Rules: Proposed Rules & Policy by NMFS & USFWS \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Reclamation Contracts Challenge & the ESA: Supreme Court Denies Petition by Irrigation Districts \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Whooping Crane ESA Case: Fifth Circuit Refuses to Reconsider ESA "Take" Challenge by David Moon \(TWR #131: Jan. 15, 2015\)](#)

[West Coast ESA Challenges: The View from NOAA Fisheries \(Regional Administrator William Steele's Presentation\) by David Light \(TWR #133: March 15, 2015\)](#)

[Whooping Cranes ESA Case: Supreme Court Declines Review - TCEQ Issuance of Water Permits Stands \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

[National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch \(TWR #145: March 15, 2016\)](#)

[CROP CONVERSION:](#)

[Liquid Assets: Investing for Impact in the Colorado Basin - Investment Blueprint Released \(TWR #146, Water Briefs: April 15, 2016\)](#)

[CROP IRRIGATION:](#)

[Drought Proofing in Oklahoma: Water for 2060 \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[CROPLAND IDLING \(see also FOLLOWING\):](#)

[Water Transfers Program by Reclamation Proposed for Voluntary Water Transfers in California \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[Improving the Federal Response to Drought: Five Areas for Reform - PPIC Water Policy Center Report \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

CROPLAND RECHARGE:

[Cropland Recharge in California: Groundwater Recharge for Overdraft \(TWR #145, Water Briefs: March 15, 2016\)](#)

CROP ROTATION:

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

CROP USE RATES:

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

CROP YIELD:

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

CRUDE OIL-BY-RAIL:

[Crude Oil-By-Rail & the Endangered Species Act: Coming Soon to Train Tracks Near You? by Kristen L. Boyles \(TWR #136: June 15, 2015\)](#)

CUJUS DOCTRINE:

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

CULTURAL GAP:

Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap (TWR #148: June 15, 2016)

CULTURAL USE and INJURY / CULTURAL RESOURCES (see also Tribal Water Rights):

Tribal Water Compact: Proposed Settlement Released in Montana (TWR #106, Water Briefs: Dec. 15, 2012)

Culvert Case Decided in Washington: Tribal Treaty Fishing Rights Victory by David Moon (TWR #110: April 15, 2013)

ESA & 1872 Mining Act Decision (Suction Dredge Impacts) - ESA Trumps (TWR #110, Water Briefs: April 15, 2013)

Groundwater/Surface Water Exchange Agreement Signed: Reclamation & Irrigation District (TWR #116, Water Briefs: Oct. 15, 2013)

Suction Dredging Moratorium Upheld in Oregon (TWR #146, Water Briefs: April 15, 2016)

Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap (TWR #148: June 15, 2016)

CULVERT (Barrier) and "CULVERT CASE":

Culvert Case Decided in Washington: Tribal Treaty Fishing Rights Victory by David Moon (TWR #110: April 15, 2013)

Culvert Case Appeal in Washington: Tribal Fish Passage Decision Appealed by State to 9th Circuit (TWR #112, Water Briefs: June 15, 2013)

Fish Passage & Treaty Obligations: Washington State "Culvert Case" Before the Ninth Circuit by David Moon (TWR #120: Feb. 15, 2014)

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

CUMULATIVE EFFECTS:

Pipeline & the Endangered Species Act - 9th Circuit Decision on ESA & NEPA (Ruby Natural Gas Pipeline) (TWR #105, Water Briefs: Nov. 15, 2012)

Water & Land Use Assessment Tool: California's Locally Adaptable Tool (Water & Stormwater Impacts) by Patterson, Hinds & Lassiter (TWR #119: Jan. 15, 2014)

CURTAILMENT:

Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs (TWR #100: June 15, 2012)

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

Instream Rights Enforcement Discretion Agreement - *Swinomish v. Ecology* (TWR #117, Water Briefs: Nov. 15, 2013)

Drought Curtailments in California: Temporary Curtailment Liftings Possible (TWR #128, Water Briefs, Oct. 15, 2014)

Curtailments Lawsuit: Drought Emergency Decisions Contested in California by Water Users (TWR #129: Water Briefs, Nov. 15, 2014)

Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)

Dry Year Program Report & Recommendations for California's Water Rights Priority System (TWR #132, Water Briefs: Feb. 15, 2015)

Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith (TWR #133: March 15, 2015)

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

Civil Penalty for Unauthorized Diversion/Use in California: \$1.5 million Fine Issued for Water District (TWR #138, Water Briefs: August 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons (TWR #143: January 15, 2016)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

CUSTOMARY PRACTICES:

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

CUSTOMER CONTRIBUTION:

Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons (TWR #143: January 15, 2016)

"CUT" TAX:

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15,

2014)

CYBERSECURITY:

Water Cybersecurity Executive Order on Critical Infrastructure (TWR #109, Water Briefs: March 15, 2013)

"CYCLE TESTING":

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

DAIRY RUNOFF:

Dairy Manure Runoff Focus: CAFO(s) in Santa Ana Basin Face EPA Orders (TWR #92, Water Briefs: Oct. 15, 2011)

DAMAGE ASSESSMENT and DAMAGES:

Lavaca Bay Settlement: Alcoa Agreement in Texas (TWR #11, Water Briefs: Jan. 15, 2005)

Nebraska Water Law Changing: Dramatic Developments - The Spear T Ranch Case by LeRoy W. Sievers and Jocelyn Walsh Golden (TWR #21: Nov. 15, 2005)

Groundwater Injury Allowed: "Reasonable Use" Limits Damages (Ninth Circuit Decision) (TWR #24, Water Briefs: February 15, 2006)

Groundwater Pollution: Manufacturers Liability Verdict in California (TWR #29, Water Briefs: July 15, 2006)

CERCLA Liability: Ninth Circuit Accepts "Divisible Harm" as a Defense by Brien J. Flanagan and Carson Bowler (TWR #39: May 15, 2007)

Idaho Conjunctive Use: Idaho Supreme Court Upholds Conjunctive Water Rights Administration Rules by Jeff Fereday (TWR #40, June 15, 2007)

Water Delivery - Canals, Ditches and Pipelines: The Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton (TWR #41: July 15, 2007)

Interstate Water Allocation by Christopher H. Meyer, Givens Pursley LLP (Boise, Idaho) (TWR #42: August 15, 2007)

Groundwater Decision in California: Oil Wastewater Pollution (TWR #42, Water Briefs: August 15, 2007)

Toxic Discharges from Dams: Clean Water Act & Nuisance Lawsuits (Klamath River) (TWR #43, Water Briefs: Sept. 15, 2007)

Rio Grande Settlement Between New Mexican & Texan Irrigation Districts: Dispute Over Interstate Surface & Groundwater by Moon (TWR #50: April 15, 2008)

Indian Water Rights: The Era of Settlements by Jeanne S. Whiteing (TWR #51: May 15, 2008)

Montana v. Wyoming: U.S. Supreme Court to Hear Yellowstone Compact Case by Karen Budd-Falen (TWR #57: November 15, 2008)

CERCLA-NRDA Restoration: Ecocredits/Liability Coverage for Duwamish River Sites by Scott Lockert (TWR #57: November 15, 2008)

The Republican River Compact: Conflict & Arbitration by Justin D. Lavene and Marcus A. Powers (TWR #68: Oct. 15, 2009)

Paiute Tribe Prevails: Illegal Diversions of Water to be "Recouped" by David Moon (TWR #75: May 15, 2010)

Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill (TWR #76: June 15, 2010)

Kansas v. Nebraska: Interstate Compact Enforcement (TWR #76, Water Briefs: June 15, 2010)

Republican River Compact - Arbitrator's Ruling (TWR #81, Water Briefs: Nov. 15, 2010)

Key Tribal Water Developments in the Pacific Northwest by Duane Mecham (TWR #83: Jan. 15, 2011)

"Taking" Decision in US Court of Federal Claims (Beneficial Use & Damages) (TWR #95, Water Briefs: Jan. 15, 2012)

Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs (TWR #100: June 15, 2012)

Federal Power Act Preempts Damage Claims Under State Tort Law - Fifth Circuit Ruling (TWR #117, Water Briefs: Nov. 15, 2013)

Republican River Special Master's Report Issued: *Kansas v. Nebraska and Colorado* (TWR #118, Water Briefs: Dec. 15, 2013)

Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo (TWR #119: Jan. 15, 2014)

Texas v. New Mexico: Supreme Court Grants Texas the Right to Proceed (TWR #120, Water Briefs: Feb. 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Fracking Verdict in Texas: Jury Awards \$3 Million Damages to Family for Exposure (TWR #123, Water Briefs: May 15, 2014)

Illegal Sewage Dump Results in Prison Time and Fine in Washington (TWR #124, Water Briefs: June 15, 2014)

Federal Breach of Contract: Reclamation Loses Appeal on Breach of Contract Claim by David Moon (TWR #127: Sept. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Oral Arguments in *Kansas v. Nebraska and Colorado*: Interstate Compact, Damages & Imported Water (TWR #129: Water Briefs, Nov. 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

DAMAGES ADEQUACY:

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

DAMS AND DAM REMOVAL (see also HYDROPOWER):

Matilija River Task Force Recommends Removal (TWR #2, Water Briefs: April 15, 2004)

Waterway-To-Waterway Transference: NPDES Permit Requirements and the *Miccossukee* Case by Rick Glick (TWR #2: April 15, 2004)

Dam Removal Grant (TWR #6, Water Briefs: Aug. 15, 2004)

Water and the Environment - The Role of Ecosystem Restoration by Sharon B. Megdal (TWR #16: June 15, 2005)

Dams and Salmon: Judge Rejects BiOp by David C. Moon (TWR #16: June 15, 2005)

Dam Removal Grants - Open Rivers Initiative by NOAA (TWR #19, Water Briefs, September 15, 2005)

Klamath FERC: Dam Removal and Irrigators' Power Rates (TWR #20, Water Briefs: October 15, 2005)

Federal Plan Violates Endangered Species Act: Snake River BiOp Plan Flawed (TWR #28, Water Briefs, June 15, 2006)

Reclamation Contract Awarded for Removal of Savage Rapids Dam (TWR #31, Water Briefs: Sept. 15, 2006)

Klamath Hydroelectric Relicensing: Fish Passage and FERC (TWR #32, Water Briefs: October 15, 2006)

Chiloquin Dam Removal Agreement in the Klamath Basin (TWR #33, Water Briefs: Nov. 15, 2006)

Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources (TWR #34: December 15, 2006)

Tribal Water Rights - Conference Covers Settlement, Commodification and Other Issues by Harold Shepherd (TWR #35: January 15, 2007)

New Reservoir Approved for Colorado River Water (Bureau of Reclamation) (TWR #35, Water Briefs: January 15, 2007)

Klamath Dams - Agency Fish Passage Mandates Finalized (TWR #36, Water Briefs: February 15, 2007)

Aging Dams and Mitigation Credits: Converting Fixed Liabilities Into Liquid Assets by James G. Workman (TWR #37: March 15, 2007)

Elwha River Dam Removal: CWA Permit Issued (TWR #39, Water Briefs: May 15, 2007)

Columbia River Hydrosystem BiOp: 9th Circuit Upholds Rejection of 2004 BiOp by Mark L. Stermitz (TWR #40, June 15, 2007)

US Army Corps Dam Safety Report Issued for Wolf Creek Dam (TWR #40, Water Briefs; June 15, 2007)

Transboundary CERCLA Case: Supreme Court Requests Federal Brief (TWR #41, Water Briefs: July 15, 2007)

New Dam Study for Off-Channel Storage by Ecology & Reclamation (TWR #41, Water Briefs: July 15, 2007)

Toxic Discharges from Dams: Clean Water Act & Nuisance Lawsuits (Klamath River) (TWR #43, Water Briefs: Sept. 15, 2007)

[Open Rivers Initiative: NOAA Funding Available \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Water Quality Standards & Hydropower Dams: Finding Concrete Solutions by Rebecca Sherman, Brett Swift and Rick Eichstaedt \(TWR #45, Nov. 15, 2007\)](#)

[Klamath River Basin: National Research Council Report Released \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Hydropower and Fish - Northwest Challenge: Keeping Fish and Clean Hydro by F. Lorraine Bodi and Dulcy Mahar \(TWR #47: January 15, 2008\)](#)

[Columbia River Power System Draft BiOp: Judge Expresses Doubts \(TWR #47, Water Briefs: January 15, 2008\)](#)

[Klamath Settlement: Dams Removal Sought \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Klamath Basin Restoration Agreement: A Convergence of Opportunity by Paul Simmons \(TWR #49: March 15, 2008\)](#)

[Reservoir Permits in Washington: Inventory of Small Dams and Dam Safety Compliance \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Water Quality Section 401 Certification: Avista Dams and FERC Relicensing \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Multi-Use Reservoir Analysis: Rio Grande Reservoir by Matthew Bliss \(TWR #51: May 15, 2008\)](#)

[Mine Restoration & Dam Removal in Montana \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Battle Creek Salmon & Steelhead Restoration Project Funded by Bureau of Reclamation \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Klamath River: PacifiCorp Agreement in Principle Reached for Dams Removal \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Open Rivers Initiative: National Funding Opportunity \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Instream Water Right Transfer - Dam Removal & Power Right \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Interim Flows - Friant Dam Releases \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Klamath Dam Removal: Klamath Hydroelectric Settlement Agreement Announced \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Klamath Settlement Agreements: Charting a New Direction by Glen Spain \(TWR #70: Dec. 15, 2009\)](#)

[Klamath Settlement Agreements: Part II by Glen Spain \(TWR #71: Jan. 15, 2010\)](#)

[Dam Removal: San Clemente Dam Agreement in California \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Klamath Settlement: Formal Agreements Signed \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Tribal Instream Rights: Important Settlement Reached on Klamath Basin Challenges by Douglas MacDougal \(TWR #78: Aug. 15, 2010\)](#)

[Bureau of Reclamation Update: Interview with Reclamation Commissioner Mike Connor by David Moon \(TWR #82: Dec. 15, 2010\)](#)

[Stream Flow and the Impact of Dams: USGS Study on Dam Operations & Fish Habitat \(TWR #86, Water Briefs: April 15, 2011\)](#)

[Multi-Sector Water Sharing \(Agricultural-Urban-Environmental\): Innovative Strategies for the Colorado River Basin & the West by Smith \(TWR #88: June 15, 2011\)](#)

[Klamath Dam Removal: Removal Studies Released by Department of Interior \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Klamath Dams Removal Reports Issued by Interior \(includes Economics and Tribal Summary Technical Report\) \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[Dam Removal Impacts Study on Elwha River Sediment Release \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Dam & Obstructions Removal - USFWS Fish Passage Report \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Klamath Restoration Agreement - Settlement Extended \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Klamath Dam Removal Overview Report \(Interior\): An Assessment of Science and Technical Information Released \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Interior Released FEIS on Klamath River Dam Removal & New Management Plan Dispute \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Small Dam Removal in Idaho: Programmatic Consultation Review by NOAA Fisheries \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Dam Pollution Settlement: Oil Leakage at Columbia & Snake River Dams and the Clean Water Act \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer \(TWR #127: Sept. 15, 2014\)](#)

[High Flow Release: Glen Canyon Dam Innovative Protocol to Mimic Flood Conditions \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Dam Removal Study: Science Announces "1000 Dams Down and Counting" by USGS Authors \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons \(TWR #143: January 15, 2016\)](#)

[Klamath Dams Removal: New Agreement Announced to Move Forward With Klamath Hydroelectric Settlement Agreement \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Dam Removal: New Klamath River Agreements Signed \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Columbia Basin Salmon BiOp Rejected by Federal Court: Fed Plan Invalidated for Fifth Time - ESA & NEPA Violated \(TWR #146, Water Briefs: April 15, 2016\)](#)

DAM REMOVAL ENTITY:

[Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons \(TWR #143: January 15, 2016\)](#)

[Klamath Dams Removal: New Agreement Announced to Move Forward With Klamath Hydroelectric Settlement Agreement \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

DATA MINING:

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

DATA SET RANGE:

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington’s Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

DATA TECHNOLOGY:

“Quantified Conservation” - Measurement & Tracking of Environmental Outcomes & Impact by The Freshwater Trust (TWR #144, Water Briefs: Feb. 15, 2016)

DATA TOOLS:

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington’s Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

“Quantified Conservation” - Measurement & Tracking of Environmental Outcomes & Impact by The Freshwater Trust (TWR #144, Water Briefs: Feb. 15, 2016)

Drinking Water Mapping Application to Protect Source Waters (DWMAPS): Mapping Tool Released by EPA (TWR #145, Water Briefs: March 15, 2016)

DEAD ZONES:

Dead Zones in Gulf of Mexico and Chesapeake Bay: NOAA Predictions for 2014 (TWR #125, Water Briefs: July 15, 2014)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

Nutrient Reduction Strategies Devised by Hypoxia Task Force-Gulf States (TWR #133, Water Briefs: March 15, 2015)

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

DEAL IS A DEAL:

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court’s Equitable Powers by David Moon (TWR #133: March 15, 2015)

DEBT PROVISIONS:

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

DECENTRALIZED MANAGEMENT:

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

DECREED RIGHTS:

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

DEEP INFILTRATION:

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

DEEP PERCOLOATION (Return Flow):

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

DEEP-RIPPING:

Wetlands Settlement in California: CWA Violations/Penalties (TWR #127, Water Briefs: Sept. 15, 2014)

DEFERRED UPGRADES:

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

DEFICIT IRRIGATION:

Colorado Water Markets: “Alternative Transfer Mechanisms” by P. Andrew Jones (TWR #138, August 15, 2015)

DE-ICING:

Stormwater Permit: Industrial Permit Updated in Washington State (TWR #130: Water Briefs, Dec. 15, 2014)

DELIVERY CALL (see also "CALLS"):

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

Klamath Adjudication - The Judicial Phase Begins: New Era in Oregon's Contentious Water History by MacDougal, Orford & Timmons (TWR #113: July 15, 2013)

Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)

DELIVERY INFRASTRUCTURE:

Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

DEMAND and "DEMAND TRIGGERS":

Municipal Water Resources & Regional Planning: The Prairie Waters Project - Aurora, Colorado by Lisa Darling (TWR #98: April 15, 2012)

Speculation - ALJ Ruling in Oregon Overturns Agency Decision (TWR #99, Water Briefs: May 15, 2012)

Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert (TWR #107: January 15, 2013)

The Colorado River Basin Water Supply and Demand Study Released by Reclamation (TWR #107, Water Briefs: January 15, 2013)

Colorado River *Moving Forward Phase 1 Report* Released by Reclamation & Stakeholders (TWR #136, Water Briefs: June 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

Santa Fe Basin in New Mexico: Reclamation Study Projects Water Shortfall (TWR #140, Water Briefs: Oct. 15, 2015)

Setting Measurable Objectives to Achieve Sustainable Groundwater Management in California (TWR #140, Water Briefs: Oct. 15, 2015)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

WRF Published Water Efficiency Study: Residential End Uses of Water, Version 2 (2016) (TWR #146, Water Briefs: April 15, 2016)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

DEMAND PROJECTIONS:

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

[SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool \(TWR #146, Water Briefs: April 15, 2016\)](#)

DEMAND REDUCTIONS:

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

DE MINIMUS TEST or DE MINIMUS IMPAIRMENT:

[Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson \(TWR #117, Nov. 15, 2013\)](#)

[Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors \(TWR #124: June 15, 2014\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

[Tribal Fishing Rights Lead to Coal Terminal Rejection by the Corps of Engineers \(TWR #148, Water Briefs: June 15, 2016\)](#)

DE MINIMUS INJURY STANDARD:

[Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon \(TWR #141: Nov. 15, 2015\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[Tribal Fishing Rights Lead to Coal Terminal Rejection by the Corps of Engineers \(TWR #148, Water Briefs: June 15, 2016\)](#)

DENVER BASIN:

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

DEPARTMENT OF INTERIOR:

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

[Land & Water Conservation Fund: \\$95 Million to be Distributed - Short of Fully Authorized Level \(TWR #146, Water Briefs: April 15, 2016\)](#)

DEPLETION:

[The Pope Talks On Water: Pope Francis' Encyclical on "The Issue of Water" \(TWR #137, Water Briefs: July 15, 2015\)](#)

DESALINIZATION:

[Desalinization Workshops \(California\) TWR #6, Water Briefs](#)

[Texas Promotes Desalinization \(TWR #7, Water Briefs: Sept. 15, 2004\)](#)

[Lower Rio Grande Regional Water Plan \(TWR #9, Water Briefs: Nov. 15, 2004\)](#)

[Water Resource Management in El Paso: Conservation, Reclaimed Water and Desalinization by Archuleta & Parker \(TWR #15: May 15, 2005\)](#)

[Desalinization Program Recommendations from California DWR \(TWR #29, Water Briefs: July 15, 2006\)](#)

[Desalinization and Water Purification Roadmap: Sandia National Laboratories \(TWR #29, Water Briefs: July 15, 2006\)](#)

[Desalination Pilot Run: Yuma Desalting Plant \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Municipal Water Desalination - Alamogordo: New Mexico's First Large-Scale Municipal Desalination Project by James C. Brockmann \(TWR #75: May 15, 2010\)](#)

[Yuma Desalting Plant Pilot Program Started/ DROP 2 Storage Reservoir Celebration \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Bureau of Reclamation Update: Interview with Reclamation Commissioner Mike Connor by David Moon \(TWR #82: Dec. 15, 2010\)](#)

[Yuma Desalting Plant: Reclamation Completes Pilot Run \(TWR #86, Water Briefs: April 15, 2011\)](#)

[Desalination Plant - Proposed Purchase Agreement Signed \(San Diego County Water Authority & Poseidon Resources \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Desalination and Membrane Technologies: Federal Research and Adoption Issues by Nicole Carter \(TWR #109: March 15, 2013\)](#)

[Rio Grande Water: Upper & Lower Basin Studies Released by Reclamation \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Regional Water Management Cooperation: Study Compares Four Cases in the West by Nathaniel Delano and Sharon B. Megdal \(TWR #121: March 15, 2014\)](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[Desalination and Water Purification Research Program - Funding from Reclamation Announced \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Finding "New Water" in California: Seminar Review & Commentary by Jungreis and Van Ligten \(TWR #144: Feb. 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative \(TWR #146: April 15, 2016\)](#)

[Report on Water Available for Replenishment of Groundwater in California: Interim White Paper \(TWR #146, Water Briefs: April 15, 2016\)](#)

DESERT LAND ACT of 1877:

[Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs \(TWR #100: June 15, 2012\)](#)

[USFS Groundwater Directive: Western Governors' Ass'n Submits Commits Regarding Implications \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

DESIGN:

[Green Infrastructure Guidance Announced by WRF: Capital Improvement Project Delivery Methods & Incentives \(TWR #146, Water Briefs: April 15, 2016\)](#)

DESIGNATED GROUNDWATER AREAS:

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

DESIGNATED USE RESTRICTIONS:

[Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap \(TWR #148: June 15, 2016\)](#)

DESIGNATED USES:

[Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell \(TWR #126: August 15, 2014\)](#)

"DESIRED FUTURE CONDITIONS":

[Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill \(TWR #76: June 15, 2010\)](#)

[Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge \(TWR #123: May 15, 2014\)](#)

DEVELOPMENT:

[EPA Guidance: Compliance for Development \(TWR #17, Water Briefs: July 15, 2005\)](#)

["Post-Appropriation" Water Management: Colorado's Water for the 21st Century Act by George Sibley \(Gunnison, CO\)\(TWR #42, August 15, 2007\)](#)

[Municipal Water Law: Washington's Landmark Law Faces Challenges by Jeff B. Kray \(TWR #44, Oct. 15, 2007\)](#)

[New Western Water Agenda: Opportunities for Action in an Era of Growth and Climate Change by MacDonnell & Fort \(TWR #48: Feb. 15, 2008\)](#)

[EPA Clean Water Act Regs: 9th Circuit Affirms Mandate that EPA Issue Construction Industry Guidelines/Standards by Iani & Kennedy \(TWR #57: Nov. 15, 2008\)](#)

[Municipal Stormwater in Washington: Low Impact Development Permit Requirements \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Arizona Water Management Issues: Maintaining Sustainable Water Management by Steve Olson \(TWR #68: Oct. 15, 2009\)](#)

[Exempt Wells in the West: Complications & Compromises by Nathan Bracken \(TWR #74, April 15, 2010\)](#)

[Sustainable Water Use: Invisioning a Sustainable Water Future for the American West by Barton "Buzz" Thompson \(TWR #87: May 15, 2011\)](#)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[Colorado River Basin Supply & Demand Study by Carly Jerla, Terry Fulp, and Pam Adams \(TWR #90: August 15, 2010\)](#)

[Speculative Use or Regional Provider: Company Applies for Massive Water Right in Oregon by David Moon \(TWR #94: Dec. 15, 2011\)](#)

[Low Impact Stormwater Retrofit: Port Converts Standard Bioswale to Bioretention to Meet Water Quality Goals by Kim Slack \(TWR #96: Feb. 15, 2012\)](#)

[Western States' Water Planning: The Best Laid Plans - Water Planning in Uncertain Times by Janet Neuman \(TWR #99: May 15, 2012\)](#)

[Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs \(TWR #100: June 15, 2012\)](#)

[Local Land Use Decisions & Water Supply Considerations: New Rules from the Washington Supreme Court by Dave Monthie \(TWR #102: August 15, 2012\)](#)

[New Mexico's Exempt Wells Decision & Protection for Senior Water Users by David Moon \(TWR #114: August 15, 2013\)](#)

[Water Right Price Index Released by WestWater Research \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Watershed Modeling - Climate Change & Urban Development Study Released by EPA \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson \(TWR #118, Dec. 15, 2013\)](#)

[Water & Land Use Assessment Tool: California's Locally Adaptable Tool \(Water & Stormwater Impacts\) by Patterson, Hinds & Lassiter \(TWR #119:](#)

Jan. 15, 2014)

New Groundwater Use: Kittitas County Settlement Agreement Signed by Ecology (TWR #124, Water Briefs: June 15, 2014)

Arizona Groundwater Use Decision: Groundwater Plan for Development Project Rejected by David Moon (TWR #125: July 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Gila Water Storage: Innovative Banking Creates “Long-Term Storage Credits” - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

Water Resource Issues in the 114th Congress-Congressional Research Service Report (TWR #133, Water Briefs: March 15, 2015)

Mandatory Water Use Restrictions in California: Governor's Executive Order a First (TWR #134, Water Briefs: April 15, 2015)

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a “Values-based” Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

DEVELOPED WATER:

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

DIESEL (see also FRACKING):

Fracking Guidance Released by EPA: Underground Injection Control & Diesel Fuels (TWR #121, Water Briefs: March 15, 2014)

DIFFERENTIAL SETTLEMENT:

Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi (TWR #138, August 15, 2015)

"DILIGENT PROSECUTION":

Citizen Suits Under Clean Water Act - "Diligent Prosecution" Bars Clarified by 9th Circuit (*Knee Deep* Cited)(TWR #114, Water Briefs: August 15, 2013)

DILUTION of WASTEWATER:

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137 July 15, 2015)

DIMINISHED USE:

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

DIRECT CONTACT:

Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder (TWR #139, Sept. 15, 2015)

"DIRECT RECHARGE":

Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

"DIRECT SPREADING":

Report on Water Available for Replenishment of Groundwater in California: Interim White Paper (TWR #146, Water Briefs: April 15, 2016)

DISAGGREGATED ANALYSIS:

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

Authors' Responses: Yakima River Basin Integrated Plan (TWR #135: May 15, 2015)

DISEASES (WATER):

The Pope Talks On Water: Pope Francis' Encyclical on "The Issue of Water" (TWR #137, Water Briefs: July 15, 2015)

DISCHARGE MONITORING REPORTS (see also NPDES):

Discharge Monitoring Report (DMR) Pollutant Loading Tool: EPA Online Tool (TWR #96, Water Briefs: Feb. 15, 2012)

DISCHARGE OF POLLUTANTS (see also NPDES Permits):

Waterway-To-Waterway Transference: NPDES Permit Requirements and the *Miccossukee* Case by Rick Glick (TWR #2: April 15, 2004)

NPDES Permits & Water Transfers: Post-*Miccossukee* Court in Florida Finds NPDES Permit Necessary by Richard M. Glick (TWR #35: January 15, 2007)

Water Transfers and the Clean Water Act by Rick Glick (TWR #36, February 15, 2007)

Supreme Court Stormwater Ruling: *Los Angeles Flood Control District v. NRDC* - A Strange and Meandering Case by Christopher Rich (TWR #120: Feb. 15, 2014)

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

DISCHARGES (3rd Party):

Reclamation Developing Directive & Standard for Non-Agricultural Discharges Into Facilities (TWR #117, Water Briefs: Nov. 15, 2013)

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

DISCLOSURE LAWS or RULES:

Hydraulic Fracturing Impacts: EPA Study Released - Public Meetings (TWR #77, Water Briefs: July 15, 2010)

Hydraulic Fracturing: The Road to EPA's New "Fracking" Study by Adam Orford (TWR #80: Oct. 15, 2010)

Fracking - Diesel: EPA Regulations - Stakeholder Input Sought (TWR #89, Water Briefs: July 15, 2011)

Hydraulic Fracturing & Water: Considering the Water Resources Impacts of Hydraulic Fracturing by Adam Orford (TWR #110: April 15, 2013)

Fracking Disclosure: Trade Secrets Protected in Wyoming (TWR #110, Water Briefs: April 15, 2013)

Fracking Rule for Public & Indian Lands Proposed by Interior (TWR #112, Water Briefs: June 15, 2013)

Hydraulic Fracturing: Interior's Rule Released for Public & American Indian Lands (TWR #134, Water Briefs: April 15, 2015)

DISCLOSURE OF CHEMICALS:

Hydraulic Fracturing: Interior's Rule Released for Public & American Indian Lands (TWR #134, Water Briefs: April 15, 2015)

New Report: "The Analysis of Hydraulic Fracturing Fluid Data from the FracFocus Chemical Registry 1.0" (TWR #134, Water Briefs: April 15, 2015)

DISCRETION OR DISCRETIONARY AUTHORITY:

Basin of Origin Claims of Tehama-Colusa Canal Authority Rejected by 9th Circuit - Reclamation Cutbacks Upheld (TWR #114, Water Briefs: August 15, 2013)

Ninth Circuit: Reclamation Renewal of Water Supply Contracts from Bay-Delta Ecosystem Violated ESA (TWR #123, Water Briefs: May 15, 2014)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

DISGORGEMENT:

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

DISPERSION:

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

"DISPLACEMENT" THEORY OF EXEMPTION:

Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson (TWR #118, Dec. 15, 2013)

DISSOLVED ORGANIC CARBON:

Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher (TWR #148: June 15, 2016)

"DISTINCT POPULATION SEGMENT":

ESA Decision on "Distinct Population Segment" in the Rockies (TWR #78, Water Briefs: Aug. 15, 2010)

"DISTRIBUTED SOLUTIONS":

Infrastructure: Innovative & Multipurpose Financing Frameworks Developed by Stanford's Water in the West (TWR #145, Water Briefs: March 15, 2016)

DISTRICTS (Water Districts):

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

DITCHES or DITCH EASEMENTS:

Waters of the U.S. Rule: EPA Clarification, Webinar & Extended Comment Period (TWR #125, Water Briefs: July 15, 2014)

Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations (Congressional Research Service) by Claudia Copeland (TWR #128, Oct. 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmén (TWR #129: Nov. 15, 2014)

Small Scale Hydropower & Ditch Easements: Colorado Decision Applies "No Injury Rule" and Maximum Use by David Moon (TWR #136: June 15, 2015)

DIVERSION OF FLOODWATER:

Aquifer Recharge & Flood Mitigation Collaboration in Nebraska (TWR #136, Water Briefs: June 15, 2015)

DIVERSION POINT:

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Watershed Planning Implementation and Flow Achievement: Washington Grant Cycle (TWR #133, Water Briefs: March 15, 2015)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

DIVERSION REQUIREMENT and CHANGES (DIVERSIONS):

Colorado Whitewater Courses and Water Rights by Kenneth W. Knox (TWR #30: August 15, 2006)

Water Delivery - Canals, Ditches and Pipelines: The Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton (TWR #41: July 15, 2007)

Instream Flow Restoration: Cooperative, Free-Market Solutions in Oregon by Fritz Paulus (TWR #43, Sept. 15, 2007)

Texas Water Law: An Update on Recent Legislation and Case Law by Deborah Clarke Trejo and Tina Alvarado Arnold (TWR #49: March 15, 2008)

Water Quality Thermal Credit Trading: Methods for Quantifying Thermal Credits by Dupuis, Smesrud, Wirz & Primozich (TWR #52: June 15, 2008)

Stream Access Decision: When Is a Stream a Stream, Water Natural, and Property Private? by Jack R. Tuholske (TWR #59: Jan. 15, 2009)

Ground Water Availability & The No Injury Rule: Domestic Well Owners Protected in Colorado by David Moon (TWR #60: Feb. 15, 2009)

Adverse Possession, Abandonment & Beneficial Use: Colorado Supreme Court Decision (TWR #61, Water Briefs: March 15, 2009)

The Colorado Water Trust: Western Water Trusts & the Colorado Experience by Amy W. Beatie (TWR #66: August 15, 2009)

Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt (TWR #72: Feb. 15, 2010)

Paiute Tribe Prevails: Illegal Diversions of Water to be "Recouped" by David Moon (TWR #75: May 15, 2010)

Conjunctive Use Decisions: Applying the Prior Appropriation Doctrine to Groundwater Use by David Moon (TWR #86: April 15, 2011)

Multi-Sector Water Sharing (Agricultural-Urban-Environmental): Innovative Strategies for the Colorado River Basin & the West by Smith (TWR #88: June 15, 2011)

Ag to Urban Transfer: No Injury Rule & Historical Use (Colorado Decision) (TWR #88, Water Briefs: June 15, 2011)

Construing Speculative Use: TCEQ Remands Million Acre-Foot Water Application for Brazos River Basin by David Moon, Editor (TWR #96: Feb. 15, 2012)

Irrigation Diversions & ESA Impacts on Federal Lands (BiOp Finds Jeopardy & Requires Minimum Flows) (TWR #98, Water Briefs: April 15, 2012)

[Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whychus Creek by Pamela Thalacker \(TWR #101: July 15, 2012\)](#)

[State Control of Water: U.S. Supreme Court Rules for Oklahoma - Interstate Compact & Commerce Clause Issues by David Moon \(TWR #113: July 15, 2013\)](#)

[Nondiversion Agreement - Aspen Instream Flow Agreement with Colorado Water Trust \(TWR #113, Water Briefs: July 15, 2013\)](#)

[Interstate Water Compacts: The US Supreme Court's *Tarrant* Decision and the Risk of Silence by Steven Richardson \(TWR #116: Oct. 15, 2013\)](#)

[Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge \(TWR #123: May 15, 2014\)](#)

[City Instream Flow: Non-Diversion Agreement in Colorado \(TWR #123, Water Briefs: May 15, 2014\)](#)

[Public Trust Doctrine Decision in California: Groundwater Regulation to Protect Rivers \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols \(TWR #128, Oct. 15, 2014\)](#)

[Flow Augmentation Releases \(Trinity Reservoir\): Reclamation Releases for Salmon Protection Lower Klamath River \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill \(TWR #129: Nov. 15, 2014\)](#)

[Watershed Planning Implementation and Flow Achievement: Washington Grant Cycle \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz \(TWR #134: April 15, 2015\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin \(TWR #139, Sept. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

DOCUMENTARY EVIDENCE:

[Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz \(TWR #134: April 15, 2015\)](#)

[DOMESTIC USE \(see also Municipal Water Rights and Preferences\):](#)

[Exempt Well Decision in South Dakota: Domestic v. Commercial Use \(Tribal Opposition\) \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde \(TWR #83: Jan. 15, 2011\)](#)

[State Survey of Domestic Preference Law by Steven E. Clyde \(TWR #83: Jan. 15, 2011\)](#)

[Illegal Use of Well: Commercial Use of Domestic Well in New Mexico \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Exempt Wells Ruling Reversed in New Mexico \(Bounds Decision\) \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde \(TWR #83: Jan. 15, 2011\)](#)

[State Survey of Domestic Preference Law by Steven E. Clyde \(TWR #83: Jan. 15, 2011\)](#)

[Domestic Groundwater Reserve: Development of Ecology Mitigation Program in Washington \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Local Land Use Decisions & Water Supply Considerations: New Rules from the Washington Supreme Court by Dave Monthie \(TWR #102: August 15, 2012\)](#)

[South Dakota Shutoff: Domestic & Stockwater Preference During Drought \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Priority Regulation in Texas - Brazos River Call \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Water Rights Manual for Mutual Domestic Water Consumers Associations Announced in New Mexico \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors \(TWR #124: June 15, 2014\)](#)

[Instream Rules in Washington: Repeal Denied for Skagit River/New Rule for Spokane River \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith \(TWR #133: March 15, 2015\)](#)

[Mandatory Water Use Restrictions in California: Governor's Executive Order a First \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Preferences During Shortage Rejected in Texas - "Senior" Water Rights Protected \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Reservoir Release in Colorado - Lease Agreement for Instream Flow to Benefit Endangered Fish \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

[WRF Published Water Efficiency Study: Residential End Uses of Water, Version 2 \(2016\) \(TWR #146, Water Briefs: April 15, 2016\)](#)

[DOMESTIC WELLS \(see also DOMESTIC USE\):](#)

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

[Fracking Report Clarification \(TWR #146, Water Briefs: April 15, 2016\)](#)

[DOMINANT ESTATE:](#)

[Small Scale Hydropower & Ditch Easements: Colorado Decision Applies "No Injury Rule" and Maximum Use by David Moon \(TWR #136: June 15, 2015\)](#)

[DRAINAGE/DRAINAGE CANAL:](#)

[Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen \(TWR #129: Nov. 15, 2014\)](#)

[Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi \(TWR #138, August 15, 2015\)](#)

[Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon \(TWR #143: January 15, 2016\)](#)

DRAINAGE DESIGN:

Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi (TWR #138, August 15, 2015)

DREDGE & FILL - SECTION 404 PERMIT (see also Corps of Engineers):

Mining & Fisheries: EPA Proposal for Bristol Bay, Alaska (TWR #126, Water Briefs: Aug. 15, 2014)

Wetlands Settlement in California: CWA Violations/Penalties (TWR #127, Water Briefs: Sept. 15, 2014)

Office of Inspector General's Report on EPA's Actions & Decision on Alaska's Bristol Bay Watershed (TWR #144, Water Briefs: Feb. 15, 2016)

DREDGING/NAVIGATION:

Columbia River Dredging Opposed (TWR #2, Water Briefs: April 15, 2004)

Dredging Lawsuit - Columbia River Deepening by Corps of Engineers (TWR #5, Water Briefs: July 15, 2004)

Colorado Whitewater Courses and Water Rights by Kenneth W. Knox (TWR #30: August 15, 2006)

Corps Dredging Regulation: District Court Strikes Down Tulloch II Dredging Rule by Steve Richardson and Sam Kalen (TWR #37: March 15, 2007)

Wood Waste & Water: Washington State's New Wood Waste Cleanup Push by Thiele, Steding & Hermann (TWR #39: May 15, 2007)

Oregon Governor Calls for Mining Withdrawal and Federal Lands Protection (Suction Dredging) (TWR #69, Water Briefs: Nov. 15, 2009)

Suction Dredge Mining Moratorium in California Extended to 2016 (TWR #91, Water Briefs: Sept. 15, 2011)

Mining Law & the Endangered Species Act Decision - Section 7 Consultation Required (TWR #100, Water Briefs: June 15, 2012)

Suction Dredge Mining Halted in California - Governor Continues Moratorium (TWR #101, Water Briefs: July 15, 2012)

ESA & 1872 Mining Act Decision (Suction Dredge Impacts) - ESA Trumps (TWR #110, Water Briefs: April 15, 2013)

DRILLING LEASES:

Drilling Leases Purchased by Trust for Public Lands for Conservation (TWR #107, Water Briefs: January 15, 2013)

DRINKING WATER:

Public Drinking Water Contamination by Michael Axline and Duane Miller (TWR #5: July 15, 2004)

- Perchlorate - EPA Reference Dose (TWR #13, Water Briefs: March 15, 2005)
- Drinking Water Rules Update by Scott Shine (TWR #14: April 15, 2005)
- Lead in Drinking Water - EPA Strengthens Protection (TWR #14, Water Briefs: April 15, 2005)
- Groundwater Rule: Safe Drinking Water Rule Delayed (TWR #15, Water Briefs: May 15, 2005)
- Wind River Settlement and Penalties (TWR #17, Water Briefs: July 15, 2005)
- Safe Drinking Water: \$277 Billion Investment Required (TWR #17, Water Briefs: July 15, 2005)
- Interstate Water Quality Battle: Oklahoma v. Poultry (TWR #20, Water Briefs: October 15, 2005)
- Safe Drinking Water Act and Oil Spill Prevention Violations: Facility on the Navajo Nation (TWR #22, Water Briefs: Dec. 15, 2005)
- Drinking Water Rules: New EPA Rules Proposed for Open Reservoirs (TWR #23, Water Briefs: Jan. 15, 2006)
- Arsenic Rule: Compliance Tools Available (TWR #23, Water Briefs: Jan. 15, 2006)
- Small Drinking Water Systems: EPA Releases Water Tools and Variances (TWR #25, Water Briefs: March 15, 2006)
- Volatile Organic Compounds in Groundwater & Drinking Water Wells (TWR #27, Water Briefs: May 15, 2006)
- Groundwater Contamination - EPA Settlement Reached in Nebraska (TWR #27, Water Briefs: May 15, 2006)
- Underground Injection Control Fine Proposed (Safe Drinking Water Act Permit) (TWR #27, Water Briefs: May 15, 2006)
- Aquifer Protection Permit: ADEQ & Phelps Dodge Consent Order (TWR #29, Water Briefs: July 15, 2006)
- Lead in Drinking Water: EPA Lead and Copper Rule Proposal (TWR #30, Water Briefs: August 15, 2006)
- California Drinking Water Standard: Perchlorate (TWR #31, Water Briefs: Sept. 15, 2006)
- Yakima USGS Groundwater Study (TWR #32, Water Briefs: October 15, 2006)
- Drinking Water Underground Source Risks: EPA Rule Issued (TWR #33, Water Briefs: Nov. 15, 2006)
- Perchlorate Legislation Introduced (TWR #35, Water Briefs: January 15, 2007)
- Drinking Water: Unregulated Contaminants Monitored for Study (TWR #35, Water Briefs: January 15, 2007)
- Water Contaminants: Safe Drinking Water List - EPA's Preliminary Determinations (TWR #39, Water Briefs: May 15, 2007)
- Safe Drinking Water Violations: \$1 Million Penalty for Refinery (TWR #41, Water Briefs: July 15, 2007)
- Municipal Water Law: Washington's Landmark Law Faces Challenges by Jeff B. Kray (TWR #44, Oct. 15, 2007)
- Water Resources Supply: Groundwater Decision Support System Development by David Jordan, Cynthia Ardito and Van Kelley (TWR #48: February 15, 2008)

Drinking Water Cleanup (Sulfate): Arizona Dept. of Environmental Quality (TWR #48, Water Briefs: February 15, 2008)

ADEQ Drinking Water Fine for TCE Contamination and Water Quality Violations (TWR #50, Water Briefs: April 15, 2008)

Small Water Systems: EPA Management Tool (TWR #51, Water Briefs: May 15, 2008)

TCE Settlement with \$500,000 Penalty: Drinking Water in Arizona (TWR #52, Water Briefs: June 15, 2008)

Pharmaceuticals & Water Quality: EPA Information Collection Request (TWR #54, Water Briefs: August 15, 2008)

Stormwater Consent Decree: \$1 Million Civil Fine for Landfill Violations (TWR #55, Water Briefs: September 15, 2008)

Leaded Wheel Weights Phase-Out: Lawsuit Settlement Under Safe Drinking Water Act (TWR #55, Water Briefs: September 15, 2008)

Perchlorate Regulations: New Mexico's Head of Environment Dept. Urges EPA to Provide Drinking Water Protection (TWR #59, Water Briefs: Jan. 15, 2009)

NPDES Ruling: US Supreme Court Denies Appeal in *Friends of Pinto Creek v. EPA* (TWR #60, Water Briefs: Feb. 15, 2009)

Carbon Sequestration Injection Project in Arizona: West Coast Regional Carbon Sequestration Partnership (TWR #62, Water Briefs: April 15, 2009)

Water Treatment Supervisor Pleads Guilty to Falsifying Reports (TWR #63, Water Briefs: May 15, 2009)

Aquifer Storage Recovery & EPA's Underground Injection Control Program-EPA's "ASR Experts" Report by Shrier (TWR #64: June 15, 2009)

Navajo Nation Lauded: Environmental Protection and Leadership (TWR #65, Water Briefs: July 15, 2009)

High Plains Aquifer (Ogallala) - USGS Water Quality Study (TWR #67, Water Briefs: Sept. 15, 2009)

Geologic Sequestration: Carbon Dioxide Injection - EPA Seeking Comments (TWR #67, Water Briefs: Sept. 15, 2009)

SUPERFUND Settlement: \$21 Million Contaminated Groundwater Cleanup System (EPA & Northrop Grumman) (TWR #67, Water Briefs: Sept. 15, 2009)

Utilities Receive EPA Awards in South Dakota: Nonpoint Source Program & Safe Drinking Water (TWR #67, Water Briefs: Sept. 15, 2009)

Priority Contaminants: EPA Drinking Water List (TWR #68, Water Briefs: Oct. 15, 2009)

Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith (TWR #69: Nov. 15, 2009)

Safe Drinking Water: Summary of EPA Actions in Montana (TWR #69, Water Briefs: Nov. 15, 2009)

Aquifer Storage & Recovery; New Federal Initiatives - EPA to Develop Guidance by Dr. Cat Shrier (TWR #74, April 15, 2010)

Drinking Water Supply: EPA Announces Stricter Regulations (TWR #74, Water Briefs: April 15, 2010)

Safe Drinking Water Act Guidance: Public Notification Rule (TWR #75, Water Briefs: May 15, 2010)

Perchlorate Standard: EPA Office of Inspector General's Scientific Analysis (TWR #75, Water Briefs: May 15, 2010)

Climate Change Impacts: Water Climate Forum Brings Int'l Insights to US Adaptation Strategies by Erica Brown (TWR #76: June 15, 2010)

[Groundwater Study Released: USGS Contamination Study of Source Water \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Hydraulic Fracturing Impacts: EPA Study Released - Public Meetings \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Drinking Water Rules: Total Coliform - EPA Update \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Safe Drinking Water Enforcement in Alaska: Chlorine Disinfection Byproducts \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Water Supply Protection: EPA/DOE "Canary" Software \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Total Coliform Rule: EPA Comment Period Extended \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Tribal Drinking Water Operator Certification Program: EPA Drinking Water Program \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Hydraulic Fracturing: Wyoming Approves Regulations Governing Disclosure of Chemicals \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Hydraulic Fracturing: The Road to EPA's New "Fracking" Study by Adam Orford \(TWR #80: Oct. 15, 2010\)](#)

[Regional Water Supply: Washington's Dept. of Ecology Approves Water Rights \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[EPA issues Clean Water & Drinking Water Infrastructure Sustainability Policy \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Clean Water and Drinking Water Infrastructure Sustainability Policy Released by EPA \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Endocrine Disruptors: EPA to Expand Testing \(TWR #82, Water Briefs: Dec. 15, 2010\)](#)

[Drinking Water Contamination From Fracking in Texas: EPA Order \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Groundwater Order in Montana: EPA Enforcement on Oil Production Contaminants \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Large Wastewater Fine for Municipality in Oregon: Penalty for Chlorine Discharges \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Fluoride Assessments: Drinking Water Standards Proposals \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Toxics & Drinking Water: Perchlorate Regulation Announced by EPA \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[EPA Complaint Filed: Emergency Order Enforcement in Texas \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Hydraulic Fracturing & Drinking Water: EPA's Plan to Study Impacts of Hydraulic Fracturing - Debate Intensifies by Orford \(TWR #85: March 15, 2011\)](#)

[Water Contaminants Information Tool Available from EPA \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Aquifer Cleanup in New Mexico: County & City System Required \(PCE Contamination\) \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Contaminant Monitoring for Drinking Water: EPA Proposal for Unregulated Contaminants \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Endangered Rivers List: Natural Gas Drilling in Wyoming \(TWR #88, Water Briefs: June 15, 2011\)](#)

[Fracking - Diesel: EPA Regulations - Stakeholder Input Sought \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Water & Wastewater Training: EPA Tribal Workshops \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Hydraulic Fracturing Debate: The Long and Winding Road Towards Regulation by Bruce Baizel \(TWR #90: August 15, 2010\)](#)

[Reclaimed Wastewater: Hopi Tribe in Arizona Sues Flagstaff Over Snowmaking Proposal \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Pharmaceuticals in Drinking Water: General Accountability Office Report Released \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Trichloroethylene \(TCE\) Health Assessment Released - Integrated Risk Information System Database \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Waste Disposal Wells in Alaska: Motor Vehicle Fluids Threaten Groundwater - Army Base Fined \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[EPA Effluent Guidelines: Proposed Regulation of Shale Gas & Coalbed Methane Effluent by Campbell & Howe \(TWR #96: Feb. 15, 2012\)](#)

[Planning for Sustainability: EPA Handbook for Water and Wastewater Utilities \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[America's Drinking Water Infrastructure Challenge: AWWA Study \(TWR #97, Water Briefs: March 15, 2012\)](#)

[Adaptation Strategies Guide for Water Utilities Released by EPA \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Drinking Water Contaminants List: EPA Working With Water Systems to Monitor Unregulated Contaminants \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Pesticides & Water: EPA Human Health Benchmarks Table Update \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Emerging Contaminants Advisory Panel Forming in Arizona \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Groundwater Cleanup at Superfund Site in Los Angeles: \\$6 Million Settlement \(Drinking Water Protection\) \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Inland Empire Groundwater: USGS Groundwater Quality Study - Nitrates & Perchlorates \(TWR #102, Water Briefs: August 15, 2012\)](#)

[US-Mexico Border Water Infrastructure Program's Annual Report for 2011 Issued by EPA \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Upcoming EPA Drinking Water Proposals by J. Alan Roberson, P.E. \(TWR #103: Sept. 15, 2012\)](#)

[Ben Grumbles & The U.S. Alliance: Interview by Tom Lindley \(TWR #104: Oct. 15, 2012\)](#)

[Crow Tribe Settlement Implementation - Reclamation Contracts on Irrigation and Municipal, Industrial & Rural System \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Desalination Plant - Proposed Purchase Agreement Signed \(San Diego County Water Authority & Poseidon Resources \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Clean Water Act and Pollutant Total Maximum Daily Loads - Congressional Research Service Report to Congress \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Disposal of Large Amounts of Contaminated Water: A Support Guide for Water Utilities Released by EPA \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[Protecting Drinking Water Sources through Agricultural Conservation Practices: USDA Toolkit Released \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[EPA Fracking Study Update Released: Review & Comment \(TWR #107, Water Briefs: January 15, 2013\)](#)

Pathogens Rule Update by EPA: Limit for E. Coli (TWR #107, Water Briefs: January 15, 2013)

Failure to Act: *The Impact of Current Infrastructure Investment on America's Economic Future* - ASCE Report (TWR #108, Water Briefs: Feb. 15, 2013)

Groundwater Contaminated Sources for Drinking Water Supply - California Report (TWR #108, Water Briefs: Feb. 15, 2013)

Uranium Decontamination Cleanup: EPA Five-Year Plan Report on Progress (TWR #108, Water Briefs: Feb. 15, 2013)

Tribal Claims to the Colorado River by Ryan Smith (TWR #109: March 15, 2013)

Desalination and Membrane Technologies: Federal Research and Adoption Issues by Nicole Carter (TWR #109: March 15, 2013)

Total Coliform Rule - EPA Revisions (TWR #109, Water Briefs: March 15, 2013)

Hydraulic Fracturing & Water: Considering the Water Resources Impacts of Hydraulic Fracturing by Adam Orford (TWR #110: April 15, 2013)

US-Mexico Border Water Infrastructure Program 2012 Annual Report - Released by EPA (TWR #110, Water Briefs: April 15, 2013)

Cleanup Settlement at Goodrich Superfund Site in California (EPA): TCA & Perchlorate (TWR #110, Water Briefs: April 15, 2013)

Utah DWQ Issues Notice of Violation & Compliance Order Requesting Chevron Report on Diesel Spill (TWR #111, Water Briefs: May 15, 2013)

Fracking Comments Period Extended by EPA for Potential Fracking Impacts on Drinking Water Resources (TWR #112, Water Briefs: June 15, 2013)

EPA's Drinking Water Infrastructure Needs Survey and Assessment - \$384 Billion Infrastructure Needs (TWR #113, Water Briefs: July 15, 2013)

Endocrine Disruptors: EPA Public Review of Information Collection Request (TWR #113, Water Briefs: July 15, 2013)

Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)

Water Pricing: Water Rates & the "New Normal" by Kristina Donnelly and Juliet Christian-Smith (TWR #114: August 15, 2013)

Safe Drinking Water Act Fine - Injection Well Violations in Colorado (TWR #114, Water Briefs: August 15, 2013)

EPA Funding for Small Water & Wastewater Systems: Training & Technical Assistance Grants (TWR #114, Water Briefs: August 15, 2013)

Arkansas Valley Conduit in Colorado: Regional Water Pipeline Project - Condensed/Edited from US Bureau of Reclamation Documents (TWR #115: Sept. 15, 2013)

Public Supply Wells: Factors that Affect Vulnerability to Contamination - USGS Circular (TWR #115, Water Briefs: Sept. 15, 2013)

Safe Drinking Water Enforcement by EPA on Southern Ute Reservation in Colorado: Underground Injection Control (TWR #115, Water Briefs: Sept. 15, 2013)

Drinking Water Supply in Arizona: BIA Violations & Settlement with EPA (TWR #116, Water Briefs: Oct. 15, 2013)

UIC Violations in Utah: Safe Drinking Water Penalty of \$600,000 (TWR #118, Water Briefs: Dec. 15, 2013)

Drought Management in California - Emphasis on Water Transfers (TWR #119, Water Briefs: Jan. 15, 2014)

- [Bay Delta Conservation Plan Released for Public Review - California & Federal Partners \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)
- [Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. \(TWR #121: March 15, 2014\)](#)
- [EPA Released Enhanced Version of “How’s My Waterway” App & Website \(TWR #123, Water Briefs: May 15, 2014\)](#)
- [Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley \(TWR #124: June 15, 2014\)](#)
- [GAO Oil & Gas Report: Underground Injection Control Recommendations for EPA's Oversight \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)
- [Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)
- [Drinking Water: EPA Funds Two Innovation Centers \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)
- [Tribal Settlement Concerning Drinking & Wastewater Systems Entered by The Omaha Tribe of Nebraska \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)
- [Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill \(TWR #129: Nov. 15, 2014\)](#)
- [Drinking Water & Watershed Goals: CWA Toolkit for Water Managers Available \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)
- [Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)
- [Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson \(TWR #132: Feb. 15, 2015\)](#)
- [Recycled Water: Beer Brewing Proposal in Oregon \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)
- [Huge Instream Donation: Water Supply/Trust Program in Washington \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)
- [Water Financing: New EPA Build America Investment Initiative \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)
- [The Making of California’s Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt \(TWR #134: April 15, 2015\)](#)
- [Mandatory Water Use Restrictions in California: Governor's Executive Order a First \(TWR #134, Water Briefs: April 15, 2015\)](#)
- [Habitat Conservation Plan \(HCP\) for Edwards Aquifer in Texas - Review Released \(TWR #135, Water Briefs: May 15, 2015\)](#)
- [Safe Drinking Water Act Dashboard - Website Compliance Tracking System Announced by EPA \(TWR #135, Water Briefs: May 15, 2015\)](#)
- [Algal Toxins: EPA Issues Health Advisory Values \(TWR #136, Water Briefs: June 15, 2015\)](#)
- [The Pope Talks On Water: Pope Francis’ Encyclical on “The Issue of Water” \(TWR #137, Water Briefs: July 15, 2015\)](#)
- [EPA Fracking Study "Draft Assessment" Released \(TWR #137, Water Briefs: July 15, 2015\)](#)
- [Steam Electric Plants Toxic Pollutants Discharges: Rule Finalized by EPA \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)
- [Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

[Energy-Positive Water Resource Recovery Workshop Report \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Harmful Algal Blooms: EPA Releases Strategic Plan of Drinking Water \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug \(TWR #143: January 15, 2016\)](#)

[Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon \(TWR #143: January 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[Drinking Water Mapping Application to Protect Source Waters \(DWMAPS\): Mapping Tool Released by EPA \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Fracking & Drinking Water Sources: Stanford Researchers Show Fracking's Impact to Drinking Water Sources by Rob Jordan \(TWR #146: April 15, 2016\)](#)

[Fracking Report Clarification \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Green Infrastructure Guidance Announced by WRF: Capital Improvement Project Delivery Methods & Incentives \(TWR #146, Water Briefs: April 15, 2016\)](#)

[DROUGHT or DROUGHT "HARDENING":](#)

[Washington Drought Emergency Declared \(TWR #14, Water Briefs: April 15, 2005\)](#)

[Leasing Water - Yakima Basin Drought Response \(TWR #14, Water Briefs: April 15, 2005\)](#)

[The Colorado River - Has It Run Out of Water? by Lawrence J. MacDonnell \(TWR #16: June 15, 2005\)](#)

[Drought Relief: Reservoir Storage in New Mexico \(TWR #16, Water Briefs: June 15, 2005\)](#)

[Water Shortage: Lake Powell and Lake Mead Management \(TWR #20, Water Briefs: October 15, 2005\)](#)

[US Water Monitor Website \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[The Colorado River: New Operational Guidelines for Lake Powell and Lake Mead by Fulp, Yoder & Blatchford \(TWR #33: Nov. 15, 2006\)](#)

[Climate & Water Pricing: Climate Effects on Water Transaction Prices by B. G. Colby, J. Pullen, K. Pittenger, and L. Jones \(TWR #34: December 15, 2006\)](#)

[Instream Flow Reduction Approved for Drought Response \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Drinking Water Contaminant Candidate List Comments Sought \(TWR #49, Water Briefs: March 15, 2008\)](#)

[Drought Actions in California: Water Transfers and Exchanges \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Climate Change and Water: IPCC Technical Paper VI by David Moon \(TWR #56: October 15, 2008\)](#)

Truckee River Operating Agreement Signed: Nevada & California Impacts (TWR #55, Water Briefs: September 15, 2008)

2009 Drought Water Bank in California: CDWR Facilitates Exchanges (TWR #56, Water Briefs: October 15, 2008)

Regional U.S. Impacts of Global Climate Change: Federal Report Provides Assessment of National & Regional Impacts (TWR #65, Water Briefs: July 15, 2009)

California Drought Contingency Plan (Draft) - Climate Change Impacts (TWR #79, Water Briefs: Sept. 15, 2010)

Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde (TWR #83: Jan. 15, 2011)

Drought Planning Report Released by Western Governors' Association & Western States Water Council (TWR #84, Water Briefs: Feb. 15, 2011)

Water Use Curtailment in Texas: TCEQ Considers Drought Response (Priority, Riparian Rights & Contingency Plans) (TWR #87, Water Briefs: May 15, 2011)

Multi-Sector Water Sharing (Agricultural-Urban-Environmental): Innovative Strategies for the Colorado River Basin & the West by Smith (TWR #88: June 15, 2011)

Colorado River Basin Supply & Demand Study by Carly Jerla, Terry Fulp, and Pam Adams (TWR #90: August 15, 2010)

Municipal Water Resources & Regional Planning: The Prairie Waters Project - Aurora, Colorado by Lisa Darling (TWR #98: April 15, 2012)

Groundwater Reserves Proposal: Study Released on Water Supply & Climate Change for California (TWR #103, Water Briefs: Sept. 15, 2012)

Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie (TWR #105: Nov. 15, 2012)

New Mexico Priority Administration: New Mexico Supreme Court Decision on State Engineer's Authority by David Moon (TWR #105: Nov. 15, 2012)

National Climate Assessment Draft Released by Federal Advisory Committee: "Firmly in the Present" (TWR #108, Water Briefs: Feb. 15, 2013)

The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor (TWR #110: April 15, 2013)

Conjunctive Use in California's Central Valley: Mixed Results After Decades of Groundwater Banking by Jennifer Spaletta (TWR #111: May 15, 2013)

Water "Call" Agreement in Colorado - Senior Rights "Relaxed" to Allow Storage (TWR #111, Water Briefs: May 15, 2013)

Colorado River Management & Drought: Lake Powell Releases to be Lowered Significantly by David Moon, Editor (TWR #115: Sept. 15, 2013)

Aquifer Storage & Recovery for Groundwater Supply - Award Announced for City of Phoenix Project (TWR #117, Water Briefs: Nov. 15, 2013)

U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service (TWR #118, Dec. 15, 2013)

Drought Management in California - Emphasis on Water Transfers (TWR #119, Water Briefs: Jan. 15, 2014)

Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. (TWR #121: March 15,

2014)

Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol (TWR #121: March 15, 2014)

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

"Assessment of Groundwater Level Trends across the United States" Published by Columbia Water Center (TWR #122, Water Briefs: April 15, 2014)

Colorado's Water Plan by Jayla Ryan Poppleton (TWR #123: May 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley (TWR #124: June 15, 2014)

Sustainable Groundwater Management Report Released by California Water Foundation (TWR #124, Water Briefs: June 15, 2014)

Freshwater Supply Report Released by GAO (TWR #124, Water Briefs: June 15, 2014)

Groundwater Threat: Colorado River Basin Groundwater Use Report by NASA and UC Irvine (TWR #126, Water Briefs: Aug. 15, 2014)

Conservation Plan: Colorado River System Conservation Program Agreement (Reclamation & Municipal Water)(TWR #126, Water Briefs: Aug. 15, 2014)

Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer (TWR #127: Sept. 15, 2014)

California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon (TWR #128, Oct. 15, 2014)

California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon (TWR #128, Oct. 15, 2014)

Drought Curtailments in California: Temporary Curtailment Liftings Possible (TWR #128, Water Briefs, Oct. 15, 2014)

Water Conservation in California: Urban Water Use During Drought (TWR #128, Water Briefs, Oct. 15, 2014)

Rainwater Harvest in Texas: How-To Video & Manual Available (TWR #128, Water Briefs, Oct. 15, 2014)

California Drought: Use/Conservation Figures Released by State Water Resources Control Board (TWR #129: Water Briefs, Nov. 15, 2014)

Curtailments Lawsuit: Drought Emergency Decisions Contested in California by Water Users (TWR #129: Water Briefs, Nov. 15, 2014)

Intergovernmental Panel on Climate Change (IPCC) 5th Synthesis Report (TWR #130: Water Briefs, Dec. 15, 2014)

Water Utilities Training & Technical Assistance From EPA - Climate Change Resilience & Readiness (TWR #130: Water Briefs, Dec. 15, 2014)

Integrating Storage in California's Changing Water System: Storage and Water Management Report (TWR #131: Water Briefs, Jan. 15, 2015)

The Impacts of EPA's Clean Power Plan on Electricity Generation and Water Use in Texas (TWR #131: Water Briefs, Jan. 15, 2015)

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

Dry Year Program Report & Recommendations for California's Water Rights Priority System (TWR #132, Water Briefs: Feb. 15, 2015)

- [Water Conservation in Drought: Steep Decline in Conservation in California \(TWR #133, Water Briefs: March 15, 2015\)](#)
- [Ongoing Drought in the Southwest and Central Plains: Climate Change Megadrought Predicted \(TWR #133, Water Briefs: March 15, 2015\)](#)
- [Water Resource Issues in the 114th Congress-Congressional Research Service Report \(TWR #133, Water Briefs: March 15, 2015\)](#)
- [The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt \(TWR #134: April 15, 2015\)](#)
- [Mandatory Water Use Restrictions in California: Governor's Executive Order a First \(TWR #134, Water Briefs: April 15, 2015\)](#)
- [Water Conservation in California: State Water Board Issues Expanded Emergency Regulation \(TWR #134, Water Briefs: April 15, 2015\)](#)
- [Water Purchases: Metropolitan Water District's Board Authorizes \\$71 Million for Ag Water Transfers & Promotes Conservation \(TWR #134, Water Briefs: April 15, 2015\)](#)
- [Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)
- [Preferences During Shortage Rejected in Texas - "Senior" Water Rights Protected \(TWR #135, Water Briefs: May 15, 2015\)](#)
- [Reverse Auction for Leasing Instream Flow in Washington \(TWR #135, Water Briefs: May 15, 2015\)](#)
- [Agriculture Conservation: USDA Regional Conservation Partnership Announced \(TWR #135, Water Briefs: May 15, 2015\)](#)
- [Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)
- [Urban Water Conservation in Southern California: Encouraging Conservation Through Tradeable Allocations & Market Mechanisms by Bond, Motlow, Steely, Wang & Libecap \(TWR #136: June 15, 2015\)](#)
- [Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)
- [Curtailment Support in California - Court Ruling in State's Favor on Enforcement \(TWR #138, Water Briefs: August 15, 2015\)](#)
- [Civil Penalty for Unauthorized Diversion/Use in California: \\$1.5 million Fine Issued for Water District \(TWR #138, Water Briefs: August 15, 2015\)](#)
- [Drought Compliance in California: Urban Use Reduced By 27% \(TWR #138, Water Briefs: August 15, 2015\)](#)
- [Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin \(TWR #139, Sept. 15, 2015\)](#)
- [San Joaquin Sinking: NASA Subsidence Study \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)
- [Drought Resiliency - Projects Selected by Reclamation \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)
- [Turf & Toilets Rebate Programs in California \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)
- [Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)
- [EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley \(TWR #140: Oct. 15, 2015\)](#)
- [FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding \(TWR #140: Oct. 15, 2015\)](#)

[Muni-to-Farm Water in California: North Valley Recycled Water Program \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Water Banking & Storage Agreement Between SNWA and MWD Supplements California Supplies During Drought \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Setting Measurable Objectives to Achieve Sustainable Groundwater Management in California \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Agency Enforcement - Drought Measures in California \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[The Argument for the Prior Appropriation Doctrine to Allocate Water in the Western U.S. \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

[Water Enforcement in California: Conservation & Regulation \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

[Nevada Drought Forum Recommendations Report Released \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

[Finding "New Water" in California: Seminar Review & Commentary by Jungreis and Van Ligten \(TWR #144: Feb. 15, 2016\)](#)

[Improving the Federal Response to Drought: Five Areas for Reform - PPIC Water Policy Center Report \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Clean Watersheds Needs Survey Released by EPA \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[USFS Releases Effects of Drought on Forest and Rangelands in the United States: A Comprehensive Science Synthesis \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

[Texas Water Plan/Management Strategies: 2017 Plan Released \(TWR #148, Water Briefs: June 15, 2016\)](#)

[USGS Report on the Colorado River's Source: Importance of Groundwater As Base Flow \(TWR #148, Water Briefs: June 15, 2016\)](#)

DROUGHT ENFORCEMENT:

[Drought Enforcement in California - Dismissals Proposed Due to Failure to Prove Water Not Available \(TWR #148, Water Briefs: June 15, 2016\)](#)

[Drought Regulations Replaced With "Stress Test" Approach in California \(TWR #148, Water Briefs: June 15, 2016\)](#)

DROUGHT FREQUENCY:

[Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

[Drought Proofing in Oklahoma: Water for 2060 \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[DROUGHT REGULATIONS:](#)

[Drought Regulations Replaced With “Stress Test” Approach in California \(TWR #148, Water Briefs: June 15, 2016\)](#)

[DROUGHT RESILIENCY:](#)

[Drought Resiliency - Projects Selected by Reclamation \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Clean Watersheds Needs Survey Released by EPA \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[USFS Releases Effects of Drought on Forest and Rangelands in the United States: A Comprehensive Science Synthesis \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

[DROUGHT RESPONSE:](#)

[Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap \(TWR #148: June 15, 2016\)](#)

[Texas Water Plan/Management Strategies: 2017 Plan Released \(TWR #148, Water Briefs: June 15, 2016\)](#)

[DROUGHT RULES:](#)

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

[DROUGHT SURCHARGE:](#)

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

[DROUGHT TOOL - OKLAHOMA:](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Drought Proofing in Oklahoma: Water for 2060 \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[DRY SEASON FIRES:](#)

[FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding \(TWR #140: Oct. 15, 2015\)](#)

[DRY-UP of Irrigated Acres - REQUIREMENT \(see also INSTREAM FLOW and "BUY & Dry"\):](#)

[Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol \(TWR #121: March 15, 2014\)](#)

[South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom \(TWR #122: April 15, 2014\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones \(TWR #138, August 15, 2015\)](#)

[Water Plan Released in Colorado: Water Supply Strategies \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein \(TWR #146: April 15, 2016\)](#)

[DRY WELL:](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

[DRY YEAR STRATEGY / OPITONS:](#)

[Columbia River Treaty Review: Update & Next Steps \(From the US Entity\) - Special to The Water Report \(TWR #117, Nov. 15, 2013\)](#)

[Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol \(TWR #121: March 15, 2014\)](#)

[Liquid Assets: Investing for Impact in the Colorado Basin - Investment Blueprint Released \(TWR #146, Water Briefs: April 15, 2016\)](#)

[DUE PROCESS:](#)

[Sackett v. EPA: U.S. Supreme Court Opens Door to Pre-Enforcement Review by Richard M. Glick \(TWR #98: April 15, 2012\)](#)

[New Mexico's Exempt Wells Decision & Protection for Senior Water Users by David Moon \(TWR #114: August 15, 2013\)](#)

[Curtailments Lawsuit: Drought Emergency Decisions Contested in California by Water Users \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Instream Flow Rights Decision in Colorado: State Agency Authority Upheld - Policy of Preserving Natural Environment \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Texas Takings Case: Procedural Rulings - Claims Dismissed \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Curtailment Support in California - Court Ruling in State's Favor on Enforcement \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

DUNGENESS BASIN:

[Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin \(TWR #139, Sept. 15, 2015\)](#)

DUST CONTROL:

[FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding \(TWR #140: Oct. 15, 2015\)](#)

DUTY OF CARE:

[Federal Power Act Preempts Damage Claims Under State Tort Law - Fifth Circuit Ruling \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

DUTY of WATER - VOLUME:

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

EARMARKS - "PORK":

[The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt \(TWR #134: April 15, 2015\)](#)

EARTHQUAKES and EARTHQUAKE ISSUES:

[Wastewater Injection & Earthquakes: USGS Study \(TWR #122, Water Briefs: April 15, 2014\)](#)

[Earthquakes Increase in Oklahoma: Oil & Gas Wastewater Injection Limited \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Earthquakes Plan in Oklahoma: Oil & Gas Wastewater Disposal Wells Impacts \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield \(TWR #148: June 15, 2016\)](#)

[EASEMENTS \(see also CONSERVATION EASEMENTS\):](#)

[Bypass Flow Upheld/Fishery \(*TU, et al. v. US Dept. of Agriculture, et al.*\) \(TWR #4, Water Briefs: June 15, 2004\)](#)

[Easements On and Over Federal Lands by Daniel H. Israel \(TWR #8: Oct. 15, 2004\)](#)

[Canal Easement - Federal Lawsuit in Oregon \(TWR #10, Water Briefs: Dec. 15, 2004\)](#)

[Bypass Flows - USFS Policy Change in Colorado \(TWR #13, Water Briefs: March 15, 2005\)](#)

[Rights-of-Way Across Federal Lands: Easement Decision by 9th Circuit by David C. Moon \(TWR #30: August 15, 2006\)](#)

[Water Delivery - Canals, Ditches and Pipelines: The Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton \(TWR #41: July 15, 2007\)](#)

[Seven Rivers Pipeline and Augmentation Wells in New Mexico \(Pecos River Settlement\) \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Stream Access Decision: When Is a Stream a Stream, Water Natural, and Property Private? by Jack R. Tuholske \(TWR #59: Jan. 15, 2009\)](#)

[Adverse Possession, Abandonment & Beneficial Use: Colorado Supreme Court Decision \(TWR #61, Water Briefs: March 15, 2009\)](#)

[Utah Stream Access: Recreational Use Legislation \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Tribal Water Rights: Current Issues & Relevant Background by Robert T. Anderson \(TWR #77: July 15, 2010\)](#)

[Ski Area Water Rights: U.S. Forest Service Taking? \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Adverse Possession & Beneficial Use in Colorado by David Moon, Editor \(TWR #108: Feb. 15, 2013\)](#)

[Temporary Flooding Can Constitute a 5th Amendment Takings: U.S. Supreme Court Decision \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Speculation in Water: Application Rejected in Oregon by Water Resources Department \(TWR #122, Water Briefs: April 15, 2014\)](#)

[Stream Access in New Mexico: Attorney General's Opinion \(TWR #123, Water Briefs: May 15, 2014\)](#)

[Swinomish Indian Tribal Community Files Lawsuit Against BNSF Railway: Oil Trains & Easement Agreement \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Small Scale Hydropower & Ditch Easements: Colorado Decision Applies "No Injury Rule" and Maximum Use by David Moon \(TWR #136: June 15, 2015\)](#)

[EASTERN SNAKE RIVER PLAIN AQUIFER \(see also IDAHO WATER LAW and WATER QUALITY\):](#)

[Snake River Adjudication - Wild & Scenic Water Rights Settled \(TWR #7, Water Briefs: Sept. 15, 2004\)](#)

[Idaho Groundwater Settlement - Purchase of Surface Rights \(TWR #9, Water Briefs: Nov. 15, 2004\)](#)

[Conjunctive Administration on the Eastern Snake River Plain by Phillip J. Rassier \(TWR #10: Dec. 15, 2004\)](#)

[Ground Water Right Transfers in the Snake River Plain, Idaho by Johnson, Harris, Contor and Cosgrove \(TWR #10: Dec. 15, 2004\)](#)

[Surface Water Users "Call" on Groundwater Rights in Idaho \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Idaho Conjunctive Use Order by David C. Moon \(TWR #15: May 15, 2005\)](#)

[Snake River Adjudication: The Nez Perce Agreement by Jerry R. Rigby \(TWR #18: August 15, 2005\)](#)

[Aquifer Recharge: Eastern Snake Plain Aquifer Assessments Funded \(TWR #34, Water Briefs: December 15, 2006\)](#)

[Idaho Conjunctive Use: Idaho Supreme Court Upholds Conjunctive Water Rights Administration Rules by Jeff Fereday \(TWR #40, June 15, 2007\)](#)

[Groundwater Regulations: Idaho DWR Orders Curtailment \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Conjunctive Use - Idaho Decision on "Call" of Water \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Idaho Water Law: Update from Coeur d'Alene Conference by David Moon \(TWR #52: June 15, 2008\)](#)

[Groundwater Recharge Funding Approved by Idaho Water Board \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge \(TWR #64: June 15, 2009\)](#)

[Conjunctive Use Decision in Idaho: Futile Calls and Seasonal Variability \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Aquifer Recharge of Eastern Snake Plain Aquifer in Idaho: Total Recharge Over 103,000 Acre-Feet \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Snake River Basin Adjudication: Lessons Learned by Eric J. Wildman \(TWR #68: Oct. 15, 2009\)](#)

[Conjunctive Use Decisions: Applying the Prior Appropriation Doctrine to Groundwater Use by David Moon \(TWR #86: April 15, 2011\)](#)

[Pilot Program for Managed Recharge on the Eastern Snake Plain Aquifer in Idaho \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[Conjunctive Management of Surface & Ground Water in Idaho \(Public-Private Partnerships\) by Tuthill, Rassier & Anderson \(TWR #108: Feb. 15, 2013\)](#)

[River Basin Studies Announced by Reclamation: Imbalance of Supply, Needs & Demands \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Aquifer Recovery in Idaho: Governor's Budget Provides Funding to Reverse Decline of Idaho Aquifer Levels \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Tribal Water Lease in Idaho: Storage Rights to Mitigate for Groundwater Use \(TWR #148, Water Briefs: June 15, 2016\)](#)

[E. COLI:](#)

Wastewater Discharge Fine in New Mexico: Proposed Penalties for CWA Violations (TWR #137, Water Briefs: July 15, 2015)

“ECOLOGICAL INJURY”:

Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon (TWR #141: Nov. 15, 2015)

ECOLOGICAL INTEGRITY:

Climate Change & Public Trust Doctrine - Climate Change, Public Trust Doctrines & *PPL Montana* by Robin Kundis Craig (TWR #120: Feb. 15, 2014)

ECOLOGICAL RISK ASSESSMENT:

Office of Inspector General's Report on EPA's Actions & Decision on Alaska's Bristol Bay Watershed (TWR #144, Water Briefs: Feb. 15, 2016)

ECONOMIC BENEFIT:

Stormwater Fine in Oregon: Economic Benefit Penalty (TWR #125, Water Briefs: July 15, 2014)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

“Green Infrastructure and the Sustainable Communities Initiative” Published by HUD's Office of Economic Resilience (TWR #135, Water Briefs: May 15, 2015)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

“Waters of the US” Definition: Preliminary Injunction Stops Application of New EPA/Army Corps Rule by David Moon (TWR #139, Sept. 15, 2015)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues (TWR #145, Water Briefs: March 15, 2016)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

ECONOMIC DAMAGES or LOSSES:

“Climate Change in the United States: Benefits of Global Action” EPA Report (TWR #137, Water Briefs: July 15, 2015)

Texas Water Plan/Management Strategies: 2017 Plan Released (TWR #148, Water Briefs: June 15, 2016)

ECONOMIC HARM/IMPACTS:

“Waters of the US” Definition: Preliminary Injunction Stops Application of New EPA/Army Corps Rule by David Moon (TWR #139, Sept. 15, 2015)

ECONOMICS and ECONOMIC FACTORS:

Water Reuse: Lessons From the California Perspective by Craig Lichty (TWR #4: June 15, 2004)

Ecosystem Economics by Daniel D. Heagerty and Gillian C. Ockner (TWR #5: July 15, 2004)

US Water Services Privatization: Key Issues and Experiences by Charles W. Howe and Jeffrey W. Jacobs (TWR #12: Feb. 15, 2005)

Endangered Species Act Update: Summary of the 12th Annual ESA Conference by Greg D. Corbin (TWR #12: Feb. 15, 2005)

Clean Water Decision Regarding Costs of Compliance (TWR #15, Water Briefs: May 15, 2005)

Salmon Fishing Case Appealed to 9th Circuit (TWR #20, Water Briefs: October 15, 2005)

Hydroelectric Relicensing Decision: Skokomish Case Limits FERC Authority by David Moon (TWR #31; September 15, 2006)

Klamath Hydroelectric Relicensing: Fish Passage and FERC (TWR #32, Water Briefs: October 15, 2006)

Allocation of Water: Congressional Budget Office Report (TWR #32, Water Briefs: October 15, 2006)

Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources (TWR #34: December 15, 2006)

Aging Dams and Mitigation Credits: Converting Fixed Liabilities Into Liquid Assets by James G. Workman (TWR #37: March 15, 2007)

Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering (TWR #43, Sept. 15, 2007)

Instream Flow Restoration: Cooperative, Free-Market Solutions in Oregon by Fritz Paulus (TWR #43, Sept. 15, 2007)

New Western Water Agenda: Opportunities for Action in an Era of Growth and Climate Change by MacDonnell & Fort (TWR #48: Feb. 15, 2008)

Water Resources Supply: Groundwater Decision Support System Development by David Jordan, Cynthia Ardito and Van Kelley (TWR #48: February 15, 2008)

Urban & Rural Water Supplies: Colorado Research Pursues Win-Win Scenario by Lytle, Hansen, Jaeger & Nikkel (TWR #48: February 15, 2008)

Willamette River Basin Fish Restoration-"Stepping Stones": Supporting Prioritized Restoration and Investment in Multiple Ecosystem Services by Hulse & Gregory (TWR #49: March 15, 2008)

Storm Water Regulation Update: Rough Waters In California by Wendy L. Manley (TWR #55: September 15, 2008)

Portland's Stormwater Marketplace by Dan Vizzini (TWR #55: September 15, 2008)

Tribal Appeal of Snowbowl Litigation Filed in the US Supreme Court (TWR #60, Water Briefs: Feb. 15, 2009)

Pecos River Compact Compliance: New Mexico's Compliance Program Meets With Success by James C. Brockmann (TWR #61: March 15, 2009)

Groundwater Report: *Down to the Last Drop* - Texas Report from the Environmental Defense Fund

Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge (TWR #64: June 15, 2009)

"Unquenchable: America's Water Crisis and What to Do About It" - Interview with Author Robert Glennon by David Moon, Editor (TWR #64: June 15, 2009)

Balancing Resource Protection & Economic Development: An Early Assessment of Emerging Water Policies in the Obama Administration by Sensiba & Swenson (TWR #66: August 15, 2009)

Bull Trout Critical Habitat Dramatically Expanded Following Revisions (TWR #72, Water Briefs: Feb. 15, 2010)

Delta Decisions: Salmon & Smelt Court Rulings in California (TWR #76, Water Briefs: June 15, 2010)

Construction Stormwater Regulation: EPA Withdraws Numeric Sedimentation Limits by Tom Lindley and Jessica Hamilton (TWR #79, Sept. 15, 2010)

Hydropower Potential: Bureau of Reclamation Facilities Report (TWR #81, Water Briefs: Nov. 15, 2010)

Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde (TWR #83: Jan. 15, 2011)

Conjunctive Use Decisions: Applying the Prior Appropriation Doctrine to Groundwater Use by David Moon (TWR #86: April 15, 2011)

Sustainable Water Use: Invisioning a Sustainable Water Future for the American West by Barton "Buzz" Thompson (TWR #87: May 15, 2011)

Porosity Storage Reservoirs: A 21st Century Solution for Water Storage by Matt Metcalf & William H. Fronczak (TWR #89: July 15, 2011)

Environmental Markets: Using Environmental Markets to Expand the Pace and Scale of Restoration by Alan Horton and Marley Gaddis (TWR #94: Dec. 15, 2011)

Endangered Species Act Upheld by US Supreme Court: No Commercial Value & One-state Species Issues Rejected (TWR #94, Water Briefs: Dec. 15, 2011)

Negotiating Indian Water Rights Claims: 12th Biennial Symposium on the Settlement of Indian Reserved Water Rights by Killoren (TWR #95: Jan. 15, 2012)

Colorado River Basin Irrigation: The Future of Irrigation Organizations in the Colorado River Basin by Dr. Ron Griffin and Mary Kelly (TWR #95: Jan. 15, 2012)

Nuclear Power Water Right Change Applications Approved in Utah (TWR #96, Water Briefs: Feb. 15, 2012)

Secret Society - Shadow Government Alleged in California (TWR #98, Water Briefs: April 15, 2012)

Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs (TWR #100: June 15, 2012)

Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie (TWR #105: Nov. 15, 2012)

[Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity \(TWR #106: Dec. 15, 2012\)](#)

[Water Transfers in the West by Carlee Brown \(TWR #107: January 15, 2013\)](#)

[California's Water Market, By the Numbers, Update 2012 \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Yakima Water Plan: The Other Side of the Story by Evans, Forsgaard, Maykut & Packard \(TWR #108: Feb. 15, 2013\)](#)

[Failure to Act: *The Impact of Current Infrastructure Investment on America's Economic Future* - ASCE Report \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Speculation Decision by Colorado Supreme Court: "Can and Will" Requirements Clarified \(TWR #113, Water Briefs: July 15, 2013\)](#)

[Water Pricing: Water Rates & the "New Normal" by Kristina Donnelly and Juliet Christian-Smith \(TWR #114: August 15, 2013\)](#)

[Draft Economic Report on the Bay Delta Conservation Plan Released \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Instream Flows Decision in Washington: Protection from Impairment - Reserved Use Rule \(Reservation\) Invalid by David Moon \(TWR #116: Oct. 15, 2013\)](#)

[Economic Benefits of Nutrient Reductions: An Analysis of Benefits to Utah Waters \(TWR #116: Oct. 15, 2013\)](#)

["The Economic Impacts of Western Irrigated Agriculture" White Paper Released \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde \(TWR #117, Nov. 15, 2013\)](#)

[Natural Infrastructure: *Investing in Forested Landscapes for Source Water Protection in the United States* \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Cumulative Watershed Impacts of Small-Scale Hydroelectric Projects in Irrigation Delivery Systems: A Case Study \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson \(TWR #118, Dec. 15, 2013\)](#)

[Utah Nuclear Plant Water Right Transfers Upheld by Court \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

["Importance of Water" Report Released by EPA \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, \(TWR #122: April 15, 2014\)](#)

[The Columbia River Treaty: September 16 Pivot Point for the Future of the Columbia River Basin by Eric Christensen \(TWR #125: July 15, 2014\)](#)

[Stormwater Fine in Oregon: Economic Benefit Penalty \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Federal ESA Decisions: Return of *Sweet Home* in Texas Whooping Crane Case by Richardson, Weinberg, Wang & Fansler \(TWR #126: Aug. 15, 2014\)](#)

[Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols \(TWR #128, Oct. 15, 2014\)](#)

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

"Green Infrastructure and the Sustainable Communities Initiative" Published by HUD's Office of Economic Resilience (TWR #135, Water Briefs: May 15, 2015)

"Climate Change in the United States: Benefits of Global Action" EPA Report (TWR #137, Water Briefs: July 15, 2015)

"Waters of the US" Definition: Preliminary Injunction Stops Application of New EPA/Army Corps Rule by David Moon (TWR #139, Sept. 15, 2015)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues (TWR #145, Water Briefs: March 15, 2016)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

Using Graywater & Stormwater to Enhance Local Water Supplies: An Assessment of Risks, Costs, & Benefits Published (TWR #146, Water Briefs: April 15, 2016)

ECONOMIC RESILIENCE:

"Green Infrastructure and the Sustainable Communities Initiative" Published by HUD's Office of Economic Resilience (TWR #135, Water Briefs: May 15, 2015)

ECOSYSTEM FUNCTION:

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Columbia River Treaty: Canadian Negotiation Commitment Received from Prime Minister Trudeau (TWR #146, Water Briefs: April 15, 2016)

ECOSYSTEM MARKETING:

Willamette River Basin Fish Restoration - "Stepping Stones": Supporting Prioritized Restoration and Investment in Multiple Ecosystem Services by Hulse & Gregory (TWR #49: March 15, 2008)

Water Quality Thermal Credit Trading: Methods for Quantifying Thermal Credits by Dupuis, Smesrud, Wirz & Primozich (TWR #52: June 15, 2008)

"Recovery Crediting System" Guidance Developed by USFWS for Endangered Species (TWR #55, Water Briefs: September 15, 2008)

CERCLA-NRDA Restoration: Ecocredits/Liability Coverage for Duwamish River Sites by Scott Lockert (TWR #57: November 15, 2008)

Ecomarket Approaches to Addressing Water Quality Obligations: Legal Overview and Hells Canyon Test Case by Glick & Nocar (TWR #63: May 15, 2009)

[Stream Restoration Market: Bonneville Environmental Foundation Issues Water Restoration Certificates \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Water Quality Trading-"In It Together: A How-To Reference for Building Point-Nonpoint Water Quality Trading Programs by Cochran, Maness & Lindley \(TWR #103: Sept. 15, 2012\)](#)

[Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani \(TWR #123: May 15, 2014\)](#)

ECOSYSTEM RESTORATION:

[The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt \(TWR #134: April 15, 2015\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Transboundary Cooperation in the International Columbia River Basin: A Preliminary Assessment of Existing Arrangements & Future Prospects \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

ECOSYSTEM SERVICES:

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[Climate Change & San Francisco Bay Watershed: Watershed Impacts for the Coming Century-Edited/Condensed from: James Cloern \(TWR #94: Dec. 15, 2011\)](#)

[Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

ECOSYSTEM VALUES or INDICATORS:

[The Future of the Columbia River Treaty by Nigel Bankes, University of Calgary & Barbara Cosens \(TWR #105: Nov. 15, 2012\)](#)

[Puget Sound Partnership's Biennial Report *State of the Sound* Released \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson \(TWR #106: Dec. 15, 2012\)](#)

[Colorado River Management: Planning, Agreeing & Acting by Ted Kowalski \(TWR #107: January 15, 2013\)](#)

[Author's Reply \(Yakima Water Plan\) by Steve Malloch and Michael Garrity \(TWR #108: Feb. 15, 2013\)](#)

[Ecological Health in the Nation's Streams, 1993-2005 Released by USGS \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Columbia River Treaty Update: Draft Regional Recommendation Released \(TWR #116: Oct. 15, 2013\)](#)

[Columbia River Treaty Review: Update & Next Steps \(From the US Entity\) - Special to The Water Report \(TWR #117, Nov. 15, 2013\)](#)

Bay Delta Conservation Plan Released for Public Review - California & Federal Partners (TWR #119, Water Briefs: Jan. 15, 2014)

An Assessment of Potential Mining Impacts on Salmon Ecosystems of Bristol Bay, Alaska: EPA Report (TWR #120, Water Briefs: Feb. 15, 2014)

The Columbia River Treaty: September 16 Pivot Point for the Future of the Columbia River Basin by Eric Christensen (TWR #125: July 15, 2014)

USFS Direction for Groundwater Resources in Forests & Grasslands & Governors' Concerns (TWR #126, Water Briefs: Aug. 15, 2014)

Columbia River Treaty Options: Protocols for Transboundary Adaptive Management Examined by Bankes & Cosens (TWR #129: Nov. 15, 2014)

Transboundary Cooperation in the International Columbia River Basin: A Preliminary Assessment of Existing Arrangements & Future Prospects (TWR #142, Water Briefs: Dec. 15, 2015)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

EDWARDS AQUIFER / EDWARDS AQUIFER AUTHORITY (see also TEXAS WATER LAW):

The Rule of Capture and the Edwards Aquifer Adjudication by Darcy Frownfelter (TWR #1: March 15, 2004)

Texas Groundwater - Rule of Capture and Groundwater Management in Texas: Part I by Bruce K. Darling (TWR #38: April 15, 2007)

Groundwater in Texas: Marketability and Market Value by Bruce K. Darling, Ph.D. (Austin, TX) (TWR #41: July 15, 2007)

Texas Water Law: An Update on Recent Legislation and Case Law by Deborah Clarke Trejo and Tina Alvarado Arnold (TWR #49: March 15, 2008)

Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer (TWR #50: April 15, 2008)

Anti-Speculation Article Response - Mesa Water LLP (TWR #52: June 15, 2008)

Groundwater Availability Modeling: The Texas Experience by Van Kelley, Robert Mace, and Neil Deeds (TWR #54, August 15, 2008)

Resolving ESA-Water Conflicts: The Edwards Aquifer Recovery Implementation Program by Gulley and Votteler (TWR #58: December 15, 2008)

TCEQ Endangered Species Act Suit in Texas: Freshwater Inflows to Refuge (TWR #74, Water Briefs: April 15, 2010)

Texas Groundwater Ruling-*EAA v. Day*: Texas Supreme Court Confirms Landowner's Ownership of Groundwater in Place by McCarthy (TWR #99: May 15, 2012)

The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor (TWR #110: April 15, 2013)

Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo (TWR #119: Jan. 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley (TWR #124: June 15, 2014)

"Takings" Case Upheld for Groundwater Protection from Regulation in Texas (TWR #135, Water Briefs: May 15, 2015)

Habitat Conservation Plan (HCP) for Edwards Aquifer in Texas - Review Released (TWR #135, Water Briefs: May 15, 2015)

Texas Takings Case: Procedural Rulings - Claims Dismissed (TWR #137, Water Briefs: July 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

EFFICIENCY:

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Cumulative Watershed Impacts of Small-Scale Hydroelectric Projects in Irrigation Delivery Systems: A Case Study (TWR #117, Water Briefs: Nov. 15, 2013)

U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service (TWR #118, Dec. 15, 2013)

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon (TWR #132: Feb. 15, 2015)

Mandatory Water Use Restrictions in California: Governor's Executive Order a First (TWR #134, Water Briefs: April 15, 2015)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Agriculture Conservation: USDA Regional Conservation Partnership Announced (TWR #135, Water Briefs: May 15, 2015)

Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board (TWR #136: June 15, 2015)

Colorado River *Moving Forward Phase 1 Report* Released by Reclamation & Stakeholders (TWR #136, Water Briefs: June 15, 2015)

Turf & Toilets Rebate Programs in California (TWR #139, Water Briefs: Sept. 15, 2015)

Drought Proofing in Oklahoma: Water for 2060 (TWR #142, Water Briefs: Dec. 15, 2015)

Natural Resource Investment Center Established by Department of Interior (TWR #143, Water Briefs: Jan. 15, 2016)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

Finding "New Water" in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

[Living Within Our Water Means: Protecting Instream Resources in Washington](#) by Dan Von Seggern (TWR #145: March 15, 2016)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions](#) by Thomas Pors (TWR #145: March 15, 2016)

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience](#) by Amy Hardberger (TWR #146: April 15, 2016)

[Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative](#) (TWR #146: April 15, 2016)

[Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative](#) (TWR #146: April 15, 2016)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns](#) by Waskom & Smith (TWR #146: April 15, 2016)

[WRF Published Water Efficiency Study: Residential End Uses of Water, Version 2 \(2016\)](#) (TWR #146, Water Briefs: April 15, 2016)

[Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water](#) by Bob Mansfield (TWR #148: June 15, 2016)

[Recommendations for Improving Water Transfers and Access to Water Markets in California](#) (TWR #148, Water Briefs: June 15, 2016)

EFFICIENCY ASSESSMENTS:

[Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water](#) by Bob Mansfield (TWR #148: June 15, 2016)

EFFLUENT LIMIT:

[Mining Violations & Clean Water Act Settlement in Idaho](#) (TWR #137, Water Briefs: July 15, 2015)

EFFLUENT WATER (see also [Reuse of Water and Wastewater Treatment](#)):

[Water Auction: Effluent Water Sale in Arizona](#) (TWR #32, Water Briefs: October 15, 2006)

[Santa Fe Water Resources and Policy: Evolving "Wet Growth Regulations"](#) by Kyle Harwood (TWR #36, February 15, 2007)

[Wastewater Treatment-Benefits of Moving Beyond Minimum Reqmts.: King County's Brightwater Project](#) by Hummel (TWR #46: December 15, 2007)

[Effluent Water Auction in Arizona \(\\$67 Million Sale\)](#) (TWR #46, Water Briefs: December 15, 2007)

[Effluent Discharges From Refinery: Clean Water Act \\$1.2 Million Penalty in Texas](#) (TWR #50, Water Briefs: April 15, 2008)

[Water Reuse Planning - Graphical Tools to Clarify Decisions: A Water Reuse Case Study](#) by John Scott Thomas, Ph.D. (TWR #51: May 15, 2008)

[Water Quality Thermal Credit Trading: Methods for Quantifying Thermal Credits](#) by Dupuis, Smesrud, Wirz & Primozich (TWR #52: June 15, 2008)

[Storm Water Regulation Update: Rough Waters In California](#) by Wendy L. Manley (TWR #55: September 15, 2008)

Tribes & Effluent Snowmaking Case: Religious Claims Rejected - "Substantial Burden" Key Requirement by David Moon (TWR #55: September 15, 2008)

Agricultural Water to Municipal Use: The Legal and Institutional Context for Voluntary Transactions in Arizona bt Eden, Glennon, Ker, Libecap, Megdal and Shipman (TWR #58: December 15, 2008)

Groundwater Replenishment & Water Reuse: Orange County California's Water Purification and Reuse Project by Michael R. Markus (TWR #59: Jan. 15, 2009)

Tribal Appeal of Snowbowl Litigation Filed in the US Supreme Court (TWR #60, Water Briefs: Feb. 15, 2009)

Endocrine Disruptors in Wastewater: Impacts in an Effluent Dominated Stream by Clint Rogers and Michael Luers (TWR #70: Dec. 15, 2009)

Ambient Water Quality Criteria for Ammonia - Freshwater: EPA Draft Update (TWR #71, Water Briefs: Jan. 15, 2010)

Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie (TWR #89: July 15, 2011)

Reclaimed Wastewater: Hopi Tribe in Arizona Sues Flagstaff Over Snowmaking Proposal (TWR #91, Water Briefs: Sept. 15, 2011)

Water Reuse in the West - Institutional Restraints (Western States Water Council Report) by Nathan Bracken (TWR #93: Nov. 15, 2011)

Pesticides Use & NPDES Permitting: Pesticide Applications Near US Waters Brought Within NPDES Permitting Program by MacCurdy (TWR #94: Dec. 15, 2011)

EPA Effluent Guidelines Program Plan Comment Period Extended (TWR #95, Water Briefs: Jan. 15, 2012)

Thermal Trading: Oregon Approves Regional Thermal Credit Program for Temperature Standards (TWR #95, Water Briefs: Jan. 15, 2012)

EPA Effluent Guidelines: Proposed Regulation of Shale Gas & Coalbed Methane Effluent by Campbell & Howe (TWR #96: Feb. 15, 2012)

Reclaimed Water Treatment - Assessing Optimal Methods to Reduce Trace Organic Compounds and Pathogens by Bandy, Salveson, Bourgeois & Linden (TWR #101: July 15, 2012)

Contaminants in Wastewater Effluent & Stormwater Runoff - Columbia River Basin: USGS Study (TWR #101, Water Briefs: July 15, 2012)

Arizona Groundwater Management by Sharon B. Megdal (TWR #104: Oct. 15, 2012)

EPA Proposing to Amend Effluent Limitations Guidelines & Standards for Steam Electric Power Generating (TWR #111, Water Briefs: May 15, 2013)

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

WaterSMART Funding by Reclamation for Reclaim & Reuse Projects in California (TWR #124, Water Briefs: June 15, 2014)

Reclaimed Wastewater Guidance in Washington for Local Governments (TWR #126, Water Briefs: Aug. 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

[Recycled Water: Beer Brewing Proposal in Oregon \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Phosphorus Removal: EPA Case Study of Watershed Approach by Municipalities \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Mining Violations & Clean Water Act Settlement in Idaho \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative \(TWR #146: April 15, 2016\)](#)

[Wastewater Effluent Spill by Private Ski Area in Montana's West Gallatin River \(TWR #146, Water Briefs: April 15, 2016\)](#)

ELASTIC USES:

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

ELECTRICITY DEMAND:

["Hydropeaking" Flows Study: Devastating Impacts on Aquatic Insects \(TWR #146, Water Briefs: April 15, 2016\)](#)

ELEVENTH AMENDMENT:

[The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor \(TWR #110: April 15, 2013\)](#)

EMERGENCY REGULATIONS:

[Measuring & Reporting in California: Diversion Regulations Adopted \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

EMERGENCY RESERVE:

[Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield \(TWR #148: June 15, 2016\)](#)

EMINENT DOMAIN:

[Condemnation Proposed: Municipal Water Rights in Washington \(TWR #25, Water Briefs: March 15, 2006\)](#)

[Condemnation Case in Washington Settled - Water Rights Transfer \(TWR #27, Water Briefs: May 15, 2006\)](#)

New Water Laws in New Mexico: Water Management and State Engineer's Authority (TWR #63, Water Briefs: May 15, 2009)

Municipal Water Transfer Recommended in Washington: Relinquishment Due to Non-Use (Expedited Process) (TWR #66, Water Briefs: August 15, 2009)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

ENDANGERED SPECIES ACT:

Endangered Species Act, Salmon & Western Water Law by Glenn Spain (TWR #1: March 15, 2004)

ESA Listing Decision: Green Sturgeon (TWR #1, Water Briefs: March 15, 2004)

ESA Listing Challenged: Steelhead (TWR #1, Water Briefs: March 15, 2004)

GAO Report on Consultation Process (TWR #2, Water Briefs: April 15, 2004)

Platte River Ecosystem Restoration - Environmental Perspective by Dan Luecke (TWR #3: May 15, 2004)

USFWS Bull Trout Review - Censored Analysis Criticized (TWR #3, Water Briefs: May 15, 2004)

River Management & the ESA: Missouri River Litigation (Navigation Versus Fish & Wildlife) by Hayes, Schneider & Sturkie (TWR #4: June 15, 2004)

Pesticides Rulings and Stream Buffers by Laurie Beale (TWR #4: June 15, 2004)

Washington Water Law by David C. Moon (TWR #4: June 15, 2004)

Bypass Flow Upheld/Fishery (*TU, et al. v. US Dept. of Agriculture, et al.*) (TWR #4, Water Briefs: June 15, 2004)

Klamath Tribes Sue PacifiCorp: \$1 Billion + Lawsuit Over Fishery Loss (TWR #4, Water Briefs: June 15, 2004)

Hatchery Fish/ Wild Fish Update: New Hatchery Policy Released (TWR #4, Water Briefs: June 15, 2004)

FERC and Forest Service Sued in Hydropower License Dispute (TWR #4, Water Briefs: June 15, 2004)

Pesticide Buffers (No Spray Stream Buffers) - 9th Circuit Appeal (TWR #5, Water Briefs: July 15, 2004)

BPA Summer Spill Decision - Tribes Prepare Litigation Contesting (TWR #5, Water Briefs: July 15, 2004)

NOAA Dam Settlement With Rancher - ESA Violations (TWR #5, Water Briefs: July 15, 2004)

Missouri River Ruling Announced - River Flows & ESA (TWR #5, Water Briefs: July 15, 2004)

Missouri River Appeal - Consolidated Case: Flows and ESA (TWR #6, Water Briefs: Aug. 15, 2004)

Trinity River 9th Circuit Decision: NEPA and ESA (TWR #6, Water Briefs: Aug. 15, 2004)

BPA Spill Controversy - 9th Circuit Compels Spill for Fishery (TWR #6, Water Briefs: Aug. 15, 2004)

[EPA Pesticide Policy and ESA Consultations - New Rules \(TWR #6, Water Briefs: Aug. 15, 2004\)](#)

[Hatchery Reform - Northwest Power and Conservation Council \(TWR #6, Water Briefs: Aug. 15, 2004\)](#)

[NOAA Columbia-Snake Draft Strategy \(TWR #7, Water Briefs: Sept. 15, 2004\)](#)

[Klamath Update: Water Purchases, Storage Initiative, ESA Five-Year Review, FY 2005 Budget and BOR "Water Bank" \(TWR #7, Water Briefs: Sept. 15, 2004\)](#)

[Delisting Criteria: NOAA Draft for Coho Salmon \(TWR #8, Water Briefs: Oct. 15, 2004\)](#)

[Easements On and Over Federal Lands by Daniel H. Israel \(TWR #8: Oct. 15, 2004\)](#)

[Bull Trout Critical Habitat Designation \(TWR #8, Water Briefs: Oct. 15, 2004\)](#)

[The Role of Science in the ESA: Balancing the Needs of Protected Species by Michael G. Thabault \(TWR #9: Nov. 15, 2004\)](#)

[NOAA Fisheries Draft Strategic Plan 2005-2010 \(TWR #9, Water Briefs: Nov. 15, 2004\)](#)

[Western Salmonids Draft EA \(TWR #10, Water Briefs: Dec. 15, 2004\)](#)

[NOAA BiOp - Columbia and Snake Rivers \(TWR #10, Water Briefs: Dec. 15, 2004\)](#)

[Critical Habitat Exclusions Considered \(TWR #10, Water Briefs: Dec. 15, 2004\)](#)

[Klamath Fishery Science: Controversy in the Klamath River Basin by Dave Vogel \(Hardy Response\) \(TWR #11: Jan. 15, 2005\)](#)

[Klamath Basin Water Resource Issues by Dr. Thomas B. Hardy \(Vogel Response\) \(TWR #11: Jan. 15, 2005\)](#)

[The ESA and Water "Takings:" \\$16.7 Million Settlement Shakes Up Water World \(Interview with Roger Marzulla\) by Moon \(TWR #11: Jan. 15, 2005\)](#)

[USFWS New Regulations on Incidental Take Permits \(TWR #11, Water Briefs: Jan. 15, 2005\)](#)

[Bull Trout Lawsuit Filed Over Critical Habitat Designations \(TWR #11, Water Briefs: Jan. 15, 2005\)](#)

[Santa Ana Sucker Critical Habitat Revised in California \(TWR #11, Water Briefs: Jan. 15, 2005\)](#)

[Pesticide Assessments Completed by EPA - \(ESA Impact\) \(TWR #11, Water Briefs: Jan. 15, 2005\)](#)

[Endangered Species Act Update: Summary of the 12th Annual ESA Conference by Greg D. Corbin \(TWR #12: Feb. 15, 2005\)](#)

[EPA, the ESA and Pesticides by Patti Goldman \(TWR #12: Feb. 15, 2005\)](#)

[ESA Recovery Plan Submitted by Washington \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Reservoir Expansion on the Yampa and Instream Flows \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Hatchery Fish/Wild Fish Ruling: Remand to NMFS \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Critical Habitat Public Comment Extension: Salmon & Steelhead \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Law of the Rio Grande \(Report from the 6th Annual Conference\) by David Moon, Editor \(TWR #13: March 15, 2005\)](#)

[Streamlining Federal Permits \(Portland/Federal Agencies Coordination\) by Mike Reed \(TWR #13: March 15, 2005\)](#)

[Critical Habitat, Bull Trout and Politics by Arlene Montgomery \(TWR #14: April 15, 2005\)](#)

[ESA Permits - NOAA Online Guide \(TWR #14, Water Briefs: April 15, 2005\)](#)

[ESA Grants for \\$70 Million - USFWS \(TWR #14, Water Briefs: April 15, 2005\)](#)

[Green Sturgeon - ESA Proposed Listing \(TWR #15, Water Briefs: May 15, 2005\)](#)

[Water and the Environment - The Role of Ecosystem Restoration by Sharon B. Megdal \(TWR #16: June 15, 2005\)](#)

[Dams and Salmon: Judge Rejects BiOp by David C. Moon \(TWR #16: June 15, 2005\)](#)

[Friant Dam and San Joaquin River Fisheries Restoration: Reasonable Remedies? by Christopher H. Calfee \(TWR #17: July 15, 2005\)](#)

[Pesticide Use: 9th Circuit Upholds Buffers Decision \(TWR #17, Water Briefs: July 15, 2005\)](#)

[NOAA Hatchery Policy and Listing Determinations \(TWR #17, Water Briefs: July 15, 2005\)](#)

[Salmon Recovery Plan \(Puget Sound\) \(TWR #18, Water Briefs: August 15, 2005\)](#)

[Salmon Spill Order Upheld by 9th Circuit \(TWR #18, Water Briefs: August 15, 2005\)](#)

[ESA Recovery Program Report Online \(TWR #18, Water Briefs: August 15, 2005\)](#)

[Critical Habitat: NOAA Cuts by 80% \(NW & California\) \(TWR #19, Water Briefs, September 15, 2005\)](#)

[Pesticides Decision from 9th Circuit \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Critical Habitat for Bull Trout - Final Rule \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Columbia River BiOps Order and Upper Snake Case \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Salmon Fishing Case Appealed to 9th Circuit \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Pesticides Information Court Order \(TWR #21, Water Briefs: Nov. 15, 2005\)](#)

[Klamath Coho Salmon Plan Rejected by the 9th Circuit \(TWR #21, Water Briefs: Nov. 15, 2005\)](#)

[ESA Update - A Review of 2005 by Cherise Oram \(TWR #22: Dec. 15, 2005\)](#)

[Klamath Decisions: Court Rulings on "Takings" and BiOp/RPA Sufficiency by Richard M. Glick \(TWR #22: Dec. 15, 2005\)](#)

[ESA Proposed Policy: Delineating Species \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[EPA ESA Program on Pesticides: Field Implementation \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[NOAA Recovery Plan: Central California Coho Salmon \(TWR #23, Water Briefs: Jan. 15, 2006\)](#)

[Water Quality Litigation: Oregon's "State-of-the-Art" Water Quality Standards Challenge by Richard M. Glick \(TWR #24: February 15, 2006\)](#)

[Orca Endangered Species Act Listing Challenged by Building Industry \(TWR #24, Water Briefs: February 15, 2006\)](#)

[Pesticide Buffers Remain - US Supreme Court Denies Cert \(TWR #24, Water Briefs: February 15, 2006\)](#)

[Critical Habitat Designation \(Bull Trout\) - Lawsuit Challenges Agency Determination \(TWR #24, Water Briefs: February 15, 2006\)](#)

[CWA & ESA Intersections - Water Quality & ESA Section 7: Northwest Examples by Melanie J. Rowland \(TWR #25: March 15, 2006\)](#)

[The ESA & CWA Delegation: Defenders of Wildlife V. EPA by David Light \(TWR #25: March 15, 2006\)](#)

[Missouri River Operating Plan: Spring Pulse Delay \(TWR #25, Water Briefs: March 15, 2006\)](#)

[Pecos River Lawsuit Filed - ESA Violations Alleged Against Bureau of Reclamation and Corps of Engineers \(TWR #26, Water Briefs: April 15, 2006\)](#)

[Pesticide Buffers Order - Partial Removal of Buffers Due to Oregon Coast Coho Decision \(TWR #26, Water Briefs: April 15, 2006\)](#)

[Silvery Minnow ESA Sanctuary Construction Underway in New Mexico \(TWR #26, Water Briefs: April 15, 2006\)](#)

[Fish Passage Prescribed in Klamath Hydro Relicensing Proceeding \(NOAA Fisheries and Dept. of Interior\) \(TWR #26, Water Briefs: April 15, 2006\)](#)

[NPDES Authority Challenged in Washington: Stormwater & Point Sources \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Groundwater Contamination - EPA Settlement Reached in Nebraska \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Hydropower Relicensing: Fish Passage Proposal by PacifiCorp \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Federal Plan Violates Endangered Species Act: Snake River BiOp Plan Flawed \(TWR #28, Water Briefs, June 15, 2006\)](#)

[Missouri River 2006 Spring Pulse: Storage Releases by Corps of Engineers from Upstream Reservoirs \(TWR #28, Water Briefs, June 15, 2006\)](#)

[Clean Water Act Violations: Settlement Reached on Oil Spill on Warm Springs Reservation \(TWR #28, Water Briefs, June 15, 2006\)](#)

[Rights-of-Way Across Federal Lands: Easement Decision by 9th Circuit by David C. Moon \(TWR #30: August 15, 2006\)](#)

[San Joaquin Settlement: Friant Dam Litigation by Harrison C. Dunning \(TWR #33: Nov. 15, 2006\)](#)

[Platte River Program - Endangered Species Act Interior Agreement \(TWR #33, Water Briefs: Nov. 15, 2006\)](#)

[Endangered Species Act "Take" Alleged: Lawsuit Filed Against California DWR \(TWR #33, Water Briefs: Nov. 15, 2006\)](#)

[Chiloquin Dam Removal Agreement in the Klamath Basin \(TWR #33, Water Briefs: Nov. 15, 2006\)](#)

[Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources \(TWR #34: December 15, 2006\)](#)

[State NPDES Programs & ESA Consultation: Federal Court Rejects Argument ESA Consultation Required by Morford & Ginsberg \(TWR #34: December 15, 2006\)](#)

[Fish Recovery Multi-Agency Cooperation \(San Juan River Basin\) \(TWR #34, Water Briefs: December 15, 2006\)](#)

Conservation Grants USFWS Funding for Planning & Habitat Acquisition (TWR #34, Water Briefs: December 15, 2006)

Tribal Water Rights - Conference Covers Settlement, Commodification and Other Issues by Harold Shepherd (TWR #35: January 15, 2007)

ESA & CWA: Endangered Species Act Influences on EPA's Clean Water Act Programs (The Washington State Example) by Palmer (TWR #37: March 15, 2007)

ESA Incidental Take Statements by Matt Love and Sam Kalen (TWR #37: March 15, 2007)

Water Conservation Initiatives - Western States Take Action by Craig Bell, Western States Water Council (TWR #38: April 15, 2007)

ESA "Takings" Case: Water Required for Fish Ladder in California (TWR #38, Water Briefs: April 15, 2007)

Klamath Basin "Takings" Decision, Minimum Flows Decision & USGS Groundwater Report (TWR #39, Water Briefs: May 15, 2007)

Columbia River Hydrosystem BiOp: 9th Circuit Upholds Rejection of 2004 BiOp by Mark L. Stermitz (TWR #40, June 15, 2007)

Oil Spill Settlement in California (TWR #40, Water Briefs; June 15, 2007)

Supreme Court Limits ESA: *National Homebuilders v. Defenders of Wildlife* by Richard M. Glick and Lindsay Eyler (TWR #41: July 15, 2007)

Water Delivery - Canals, Ditches and Pipelines: The Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton (TWR #41: July 15, 2007)

Hatchery Fish/Wild Fish Ruling: ESA Listings Valid (TWR #43, Water Briefs: Sept. 15, 2007)

Global Warming & Environmental Law: Climate Change and the ESA by Melanie J. Rowland (TWR #45, Nov. 15, 2007)

Wastewater Treatment-Benefits of Moving Beyond Minimum Reqmts.: King County's Brightwater Project by Hummel (TWR #46: December 15, 2007)

Klamath River Basin: National Research Council Report Released (TWR #46, Water Briefs: December 15, 2007)

Hydropower and Fish - Northwest Challenge: Keeping Fish and Clean Hydro by F. Lorraine Bodi and Dulcy Mahar (TWR #47: January 15, 2008)

Delta Smelt Order in California and Water Supply Impacts (TWR #47, Water Briefs: January 15, 2008)

Wetlands Restoration: Irrigation District Purchases Land for Delta Smelt and Other Species Recovery (TWR #47, Water Briefs: January 15, 2008)

Columbia River Power System Draft BiOp: Judge Expresses Doubts (TWR #47, Water Briefs: January 15, 2008)

Klamath Settlement: Dams Removal Sought (TWR #48, Water Briefs: February 15, 2008)

Lower Platte River Decision on Water Availability (TWR #48, Water Briefs: February 15, 2008)

Klamath Basin Restoration Agreement: A Convergence of Opportunity by Paul Simmons (TWR #49: March 15, 2008)

Republican River Litigation Expected by Kansas Attorney General (TWR #49, Water Briefs: March 15, 2008)

Forest Service Legacy Roads: New Remediation Initiative Renews Focus by Mary Scurlock and Gina Ottoboni (TWR #50: April 15, 2008)

- California State Water Project Water Deliveries: Snowpack Normal But Deliveries Bottlenecked by Delta Smelt Order (TWR #50, Water Briefs: April 15, 2008)
- Delta Smelt Endangered Species Act Ruling (TWR #51, Water Briefs: May 15, 2008)
- Southeast Water Sharing Plan Proposed by Reclamation (TWR #51, Water Briefs: May 15, 2008)
- The Peripheral Canal: San Francisco Bay - Delta Estuary Proposals by Dante Nomellini (TWR #53: July 15, 2008)
- Clean Water Act Copper Limits to Protect Salmon: NPDES Permit Developments for Puget Sound, Washington by John Palmer (TWR #54, August 15, 2008)
- Salmon Protection in Northwest: Columbia/Snake River Latest BiOps Released (TWR #52, Water Briefs: June 15, 2008)
- Water Quality Standards Settlement in Oregon: Toxics & ESA Protection (TWR #52, Water Briefs: June 15, 2008)
- Stormwater Fines - Highway Construction Company in Arizona (TWR #53, Water Briefs: July 15, 2008)
- Pesticides Evaluation: NMFS Settlement Agreement & Draft Jeopardy Findings (TWR #54, Water Briefs: August 15, 2008)
- Truckee River Operating Agreement Signed: Nevada & California Impacts (TWR #55, Water Briefs: September 15, 2008)
- "Recovery Crediting System" Guidance Developed by USFWS for Endangered Species (TWR #55, Water Briefs: September 15, 2008)
- NMFS Biological Opinion on FEMA Flood Insurance Program: Puget Sound ESA Jeopardy Findings (TWR #56, Water Briefs: October 15, 2008)
- Shoshone-Bannock Tribes Join Agreements in Columbia River Basin (Litigation Continues) (TWR #56, Water Briefs: October 15, 2008)
- Endangered Species Act & Takings: Fifth Amendment Decision by David Moon (TWR #57: November 15, 2008)
- Resolving ESA-Water Conflicts: The Edwards Aquifer Recovery Implementation Program by Gulley and Votteler (TWR #58: December 15, 2008)
- NOAA Biological Opinion on Pesticides: Salmon Jeopardy (TWR #58, Water Briefs: December 15, 2008)
- "The Endangered Species Act and the Conflict Between Science and Policy" Inspector General's Report (TWR #59, Water Briefs: Jan. 15, 2009)
- Habitat Protection & Water Rights: Balancing Stream Habitat with New Water Rights Issuance - Washington State's Watershed Management Program by Graham (TWR #60: Feb. 15, 2009)
- Columbia River BiOp: Fed Plan for Hydropower System Argue ESA Requirements (TWR #61, Water Briefs: March 15, 2009)
- Reclamation Pumping in Central Valley (CA) - NOAA BiOp Finds Jeopardy and BiOp Appealed (TWR #65, Water Briefs: July 15, 2009)
- ESA Recovery: NOAA Fisheries Biennial Report (TWR #65, Water Briefs: July 15, 2009)
- Pesticide Restriction in California: EPA Settlement Proposal in SF Bay Area (TWR #65, Water Briefs: July 15, 2009)
- Litigation on the Colorado River: Conflicts in Search of Solutions by Michael Gheleta (TWR #67: September 15, 2009)
- Reclamation Found Liable - Breach of Contract and "Takings" Decision (TWR #68, Water Briefs: Oct. 15, 2009)

[Critical Habitat Designated by NOAA for Green Sturgeon in California & Oregon \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[USFWS Expenditures for Threatened & Endangered Species: Study for FY 2007 Released \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Klamath Settlement Agreements: Part II by Glen Spain \(TWR #71: Jan. 15, 2010\)](#)

[Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt \(TWR #72: Feb. 15, 2010\)](#)

[New Era of Interbasin Water Transfers by Barbara Cosens \(TWR #72: Feb. 15, 2010\)](#)

[Pesticide Lawsuit for Alleged Endangered Species Act Violations \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Bull Trout Critical Habitat Dramatically Expanded Following Revisions \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Dam Removal: San Clemente Dam Agreement in California \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Klamath "Takings" - Ownership of Water Rights & the Bureau of Reclamation by David Moon \(TWR #74, April 15, 2010\)](#)

[TCEQ Endangered Species Act Suit in Texas: Freshwater Inflows to Refuge \(TWR #74, Water Briefs: April 15, 2010\)](#)

[Habitat Conservation: Dept. of Interior Provides \\$66 Million for ESA Projects \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Klamath 2010 Operations Plan Released by Reclamation \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Restoring the San Joaquin River: Restoration Program Update & Status Report by Alicia Gasdick & Margaret Gidding \(TWR #76: June 15, 2010\)](#)

[Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill \(TWR #76: June 15, 2010\)](#)

[Delta Decisions: Salmon & Smelt Court Rulings in California \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Delta Smelt Decline: New Study Blames Nutrient Pollution \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Western Governors Association 2010 Meeting: Water Resolutions \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak \(TWR #81: November 15, 2010\)](#)

[ESA Decision on "Distinct Population Segment" in the Rockies \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Natural Gas Pipeline in the West: Conservation Fund Settlement and Lawsuit Filed \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Bull Trout Habitat: USFWS Revises Critical Habitat Designation \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Water Demand Assessment: Western Governors' Association \(Transfers, Energy, ESA & Climate Change\) \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Endangered Species Act, Take, and Water: *The Aransas Project v. Shaw, et al.* by Kathy Robb \(TWR #85: March 15, 2011\)](#)

[Water "Takings" Decision: Klamath Project Water Users Prevail by David Moon \(TWR #85: March 15, 2011\)](#)

[Dissolved Metals in Stormwater: Biotic Ligand Model - New Treatment Paradigm \(Obtaining Environmental Protection With New Technology & Defensible Standards by Wisdom & Bucich \(TWR #86: April 15, 2011\)](#)

New Water Management Model: The Umatilla Basin Water Commission - Counties, Irrigation District & Confederated Tribes Form Administrative Body by Martha Pagel (TWR #87: May 15, 2011)

Sustainable Water Use: Invisioning a Sustainable Water Future for the American West by Barton "Buzz" Thompson (TWR #87: May 15, 2011)

Endangered Species Act Listings: USFWS Proposed Workplan (Proposed Settlement) (TWR #87, Water Briefs: May 15, 2011)

Multi-Sector Water Sharing (Agricultural-Urban-Environmental): Innovative Strategies for the Colorado River Basin & the West by Smith (TWR #88: June 15, 2011)

ESA Improvement: USFWS & NOAA Fisheries Effort (TWR #88, Water Briefs: June 15, 2011)

ESA Experimental Population: NMFS' First Proposed Designation a Win-Win for Water Users and Steelhead by Filippi & Maag (TWR #89: July 15, 2011)

Criminal Clean Water Act Violation: DARIGOLD Pleads Guilty (TWR #89, Water Briefs: July 15, 2011)

ESA Workplan: USFWS & Plaintiffs' Reach Agreement (Center for Biological Diversity & WildEarth Guardians) (TWR #89, Water Briefs: July 15, 2011)

Spotted Owl Recovery: Revised USFWS Plan (TWR #89, Water Briefs: July 15, 2011)

ESA Experimental Population: ESA Fish Designation Proposed in Washington (TWR #90, Water Briefs: August 15, 2011)

Tribal Fish Accord Between Federal Agencies & Kalispel Tribe (Columbia Basin) (TWR #90, Water Briefs: August 15, 2011)

BiOp Rejected Again: Columbia River Plan Found Arbitrary & Capricious (Specific Mitigation Plan Not Identified) (TWR #90, Water Briefs: August 15, 2011)

Water Resources Regulation & Development: Groundwater, Floodplains, and "Waters of the United States" by Robert D. Anderson (TWR #91: Sept. 15, 2011)

Southwestern Willow Flycatcher Critical Habitat Set by US Fish & Wildlife Service (TWR #91, Water Briefs: Sept. 15, 2011)

Bay Delta Conservation Plan: Schedule for Effects Analysis & EIS/EIR (June 2012) (TWR #91, Water Briefs: Sept. 15, 2011)

National Research Council's Report Released: "A Review of the Use of Science and Adaptive Management in California's Draft Bay Delta Conservation Plan" (TWR #91, Water Briefs: Sept. 15, 2011)

Tribal Interests, Instream Flows & Hydropower Licensing: Using the Licensing Process to Address Tribal Concerns by Mason Morisset (TWR #92: Oct. 15, 2011)

National Flood Insurance & the Endangered Species Act - National Flood Insurance in a Post-Jeopardy Environment: FEMA's "Reasonable and Prudent Alternative" Implementation for the Puget Sound Biological Opinion by Mark G. Eberlein (TWR #92: Oct. 15, 2011)

Delta Smelt Rulings in California's Bay-Delta: BiOp Remanded and Injunction Issued Blocking USFWS Proposal (TWR #92, Water Briefs: Oct. 15, 2011)

Takings & Water Rights: Applicability of the Takings Clause to Water Rights Regulations (Federal Circuit Developments) by Walston (TWR #93: Nov. 15, 2011)

Climate Change & San Francisco Bay Watershed: Watershed Impacts for the Coming Century-Edited/Condensed from: James Cloern (TWR #94: Dec. 15, 2011)

Pesticides Use & NPDES Permitting: Pesticide Applications Near US Waters Brought Within NPDES Permitting Program by MacCurdy (TWR #94: Dec. 15, 2011)

NOAA Enforcement Draft Priorities Released (Public Comment Through January 9)(TWR #94, Water Briefs: Dec. 15, 2011)

Endangered Species Act Upheld by US Supreme Court: No Commercial Value & One-state Species Issues Rejected (TWR #94, Water Briefs: Dec. 15, 2011)

"Taking" Decision in US Court of Federal Claims (Beneficial Use & Damages) (TWR #95, Water Briefs: Jan. 15, 2012)

Nuclear Power Water Right Change Applications Approved in Utah (TWR #96, Water Briefs: Feb. 15, 2012)

Oregon Temperature Water Quality Standards Upheld (Sort Of) by Richard M. Glick (TWR #98: April 15, 2012)

Irrigation Diversions & ESA Impacts on Federal Lands (BiOp Finds Jeopardy & Requires Minimum Flows) (TWR #98, Water Briefs: April 15, 2012)

Texas Groundwater Ruling-*EAA v. Day*: Texas Supreme Court Confirms Landowner's Ownership of Groundwater in Place by McCarthy (TWR #99: May 15, 2012)

Mining Law & the Endangered Species Act Decision - Section 7 Consultation Required (TWR #100, Water Briefs: June 15, 2012)

Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whyhous Creek by Pamela Thalacker (TWR #101: July 15, 2012)

Suction Dredge Mining Halted in California - Governor Continues Moratorium (TWR #101, Water Briefs: July 15, 2012)

Local Land Use Decisions & Water Supply Considerations: New Rules from the Washington Supreme Court by Dave Monthie (TWR #102: August 15, 2012)

Northwest Water Banking: Meeting Instream and Out of Stream Water Needs in the Pacific Northwest by Cronin & Fowler (TWR #102: August 15, 2012)

Glen Canyon Dam: Colorado River Basin States Propose Alternative for Management Plan (TWR #102, Water Briefs: August 15, 2012)

San Joaquin River Restoration Program: Reclamation & CDWR Release Final PEIS/R (TWR #102, Water Briefs: August 15, 2012)

The ESA & Water: Litigation Update - The ESA as Driver of Water Quality & Water Quantity by Quasius & Laschever (TWR #103: Sept. 15, 2012)

Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi (TWR #104: Oct. 15, 2012)

State of Our Watersheds - Northwest Indian Fisheries Commission Report Released (TWR #104, Water Briefs: Oct. 15, 2012)

The Future of the Columbia River Treaty by Nigel Bankes, University of Calgary & Barbara Cosens (TWR #105: Nov. 15, 2012)

Instream Water Rights in California: Tribes Criticize USFS' Endangered Species Act Inaction (TWR #105, Water Briefs: Nov. 15, 2012)

Pipeline & the Endangered Species Act - 9th Circuit Decision on ESA & NEPA (Ruby Natural Gas Pipeline) (TWR #105, Water Briefs: Nov. 15, 2012)

- Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity (TWR #106: Dec. 15, 2012)
- Klamath Restoration Agreement - Settlement Extended (TWR #107, Water Briefs: January 15, 2013)
- Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase (TWR #108: Feb. 15, 2013)
- Yakima Water Plan: The Other Side of the Story by Evans, Forsgaard, Maykut & Packard (TWR #108: Feb. 15, 2013)
- Bay Delta Deliveries: Reduced Pumping & Endangered Species Act Issues (TWR #109, Water Briefs: March 15, 2013)
- The Aransas Project v. Shaw*: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor (TWR #110: April 15, 2013)
- Culvert Case Decided in Washington: Tribal Treaty Fishing Rights Victory by David Moon (TWR #110: April 15, 2013)
- Texas ESA Decision on Whooping Crane Protection Draws Rebuttals: TCEQ & Texas Farm Bureau Weigh In (TWR #110, Water Briefs: April 15, 2013)
- ESA & 1872 Mining Act Decision (Suction Dredge Impacts) - ESA Trumps (TWR #110, Water Briefs: April 15, 2013)
- "Takings" Claim Denied in *Casitas* Case: Beneficial Use & Injury Alleged (TWR #110, Water Briefs: April 15, 2013)
- Indian Water Right Negotiations: Interior's Considerations When Appointing Federal Negotiation Teams by Duane Mecham (TWR #111: May 15, 2013)
- Reclamation Announces Actions & Strategies to Improve Water Supplies for California's Central Valley Project (TWR #111, Water Briefs: May 15, 2013)
- Culvert Case Appeal in Washington: Tribal Fish Passage Decision Appealed by State to 9th Circuit (TWR #112, Water Briefs: June 15, 2013)
- Klamath BiOp - Operations of Klamath Project Through 2023 Announced by Reclamation (NMFS & USFWS BiOp) (TWR #112, Water Briefs: June 15, 2013)
- Klamath Adjudication - The Judicial Phase Begins: New Era in Oregon's Contentious Water History by MacDougal, Orford & Timmons (TWR #113: July 15, 2013)
- Draft Economic Report on the Bay Delta Conservation Plan Released (TWR #114, Water Briefs: August 15, 2013)
- Mine Permit Appealed From ADEQ Decision: Aquifer Protection Permit in Arizona (TWR #115, Water Briefs: Sept. 15, 2013)
- Columbia River Treaty Update: Draft Regional Recommendation Released (TWR #116: Oct. 15, 2013)
- Small Dam Removal in Idaho: Programmatic Consultation Review by NOAA Fisheries (TWR #116, Water Briefs: Oct. 15, 2013)
- Groundwater/Surface Water Exchange Agreement Signed: Reclamation & Irrigation District (TWR #116, Water Briefs: Oct. 15, 2013)
- Columbia River Treaty Review: Update & Next Steps (From the US Entity) - Special to The Water Report (TWR #117, Nov. 15, 2013)
- NOAA Awards Funding for Coastal Habitat Restoration Projects (TWR #117, Water Briefs: Nov. 15, 2013)

Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson (TWR #118, Dec. 15, 2013)

Drought Management in California - Emphasis on Water Transfers (TWR #119, Water Briefs: Jan. 15, 2014)

Bay Delta Conservation Plan Released for Public Review - California & Federal Partners (TWR #119, Water Briefs: Jan. 15, 2014)

ESA Settlement by Karuk Tribe & Irrigation District: Dams & Diversions on Shasta River (TWR #119, Water Briefs: Jan. 15, 2014)

Fish Passage & Treaty Obligations: Washington State "Culvert Case" Before the Ninth Circuit by David Moon (TWR #120: Feb. 15, 2014)

An Assessment of Potential Mining Impacts on Salmon Ecosystems of Bristol Bay, Alaska: EPA Report (TWR #120, Water Briefs: Feb. 15, 2014)

Hatchery v. Wild Fish: ESA/NEPA Decision in Oregon Federal District Court (TWR #120, Water Briefs: Feb. 15, 2014)

Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol (TWR #121: March 15, 2014)

Bay Delta Decision: Ninth Circuit Upholds Federal Plan of Protection for Delta Smelt (TWR #122, Water Briefs: April 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Hatchery v. Wild Fish Dispute: Settlement Severely Limits Releases (ESA Evaluation Needed) (TWR #123, Water Briefs: May 15, 2014)

Ninth Circuit: Reclamation Renewal of Water Supply Contracts from Bay-Delta Ecosystem Violated ESA (TWR #123, Water Briefs: May 15, 2014)

Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley (TWR #124: June 15, 2014)

Instream Flow: Irrigators' and Water Trust's Augmentation Agreement in California (TWR #124, Water Briefs: June 15, 2014)

Critical Habitat Rules: Proposed Rules & Policy by NMFS & USFWS (TWR #124, Water Briefs: June 15, 2014)

The Columbia River Treaty: September 16 Pivot Point for the Future of the Columbia River Basin by Eric Christensen (TWR #125: July 15, 2014)

Texas Permitting Rules Upheld: Whooping Cranes Lawsuit Reversed (TWR #125, Water Briefs: July 15, 2014)

Federal ESA Decisions: Return of *Sweet Home* in Texas Whooping Crane Case by Richardson, Weinberg, Wang & Fansler (TWR #126: Aug. 15, 2014)

New Zealand Mudsail Infestations: Public Policy Implications by Paul Bucich & Kit Paulsen (TWR #126: Aug. 15, 2014)

Mining & Fisheries: EPA Proposal for Bristol Bay, Alaska (TWR #126, Water Briefs: Aug. 15, 2014)

ESA "Range" of Species Final Policy Announced ("Significant Portion of its Range")(TWR #126, Water Briefs: Aug. 15, 2014)

Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer (TWR #127: Sept. 15, 2014)

Reclamation Increases Flow Releases - Lower Klamath River Supplement from Trinity Reservoir (TWR #127, Water Briefs: Sept. 15, 2014)

Pesticide Stream Buffers Finalized: Settlement Agreement with EPA (TWR #127, Water Briefs: Sept. 15, 2014)

ESA Listing Decision in Montana: Arctic Grayling Not Listed Due to Successful Collaboration (TWR #127, Water Briefs: Sept. 15, 2014)

Flow Augmentation Releases (Trinity Reservoir): Reclamation Releases for Salmon Protection Lower Klamath River (TWR #128, Water Briefs, Oct. 15, 2014)

Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases (TWR #128, Water Briefs, Oct. 15, 2014)

Flow Augmentation Releases (Trinity Reservoir): Reclamation Releases for Salmon Protection Lower Klamath River (TWR #128, Water Briefs, Oct. 15, 2014)

Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases (TWR #128, Water Briefs, Oct. 15, 2014)

Marijuana & Water Use: Illegal Farms Impact Coho Salmon in Northern California & Southern Oregon (TWR #128, Water Briefs, Oct. 15, 2014)

Groups Appeal Water Rights Decision for Nuclear Reactor Project (Speculation, Availability & Stream Environment) (TWR #128, Water Briefs, Oct. 15, 2014)

Aqueduct Transfer from Reclamation: Provo River Aqueduct to Provo River Water Users Ass'n (TWR #129: Water Briefs, Nov. 15, 2014)

Reclamation Contracts Challenge & the ESA: Supreme Court Denies Petition by Irrigation Districts (TWR #130: Water Briefs, Dec. 15, 2014)

Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation by Molly Lawrence (TWR #131: Jan. 15, 2015)

Whooping Crane ESA Case: Fifth Circuit Refuses to Reconsider ESA "Take" Challenge by David Moon (TWR #131: Jan. 15, 2015)

Benefit-Cost Analysis of the Yakima Basin Integrated Plan Projects (TWR #131: Water Briefs, Jan. 15, 2015)

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

Water Resource Issues in the 114th Congress-Congressional Research Service Report (TWR #133, Water Briefs: March 15, 2015)

State of Salmon in Watersheds Report & Interactive Website in Washington State (TWR #134, Water Briefs: April 15, 2015)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

Habitat Conservation Plan (HCP) for Edwards Aquifer in Texas - Review Released (TWR #135, Water Briefs: May 15, 2015)

Crude Oil-By-Rail & the Endangered Species Act: Coming Soon to Train Tracks Near You? by Kristen L. Boyles (TWR #136: June 15, 2015)

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

Whooping Cranes ESA Case: Supreme Court Declines Review - TCEQ Issuance of Water Permits Stands (TWR #137, Water Briefs: July 15, 2015)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Reservoir Release in Colorado - Lease Agreement for Instream Flow to Benefit Endangered Fish (TWR #139, Water Briefs: Sept. 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

[Delta Stormwater Settlement: Toxic Discharges Suit Under ESA & Clean Water Act \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Roundup/Glyphosate Classified "Carcinogenic" by California's EPA \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons \(TWR #143: January 15, 2016\)](#)

[Truckee River Operating Agreement Begins: Interstate Allocations \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch \(TWR #145: March 15, 2016\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

[Columbia Basin Salmon BiOp Rejected by Federal Court: Fed Plan Invalidated for Fifth Time - ESA & NEPA Violated \(TWR #146, Water Briefs: April 15, 2016\)](#)

ENDOCRINE DISRUPTORS:

[Endocrine Disruptors: EPA Screening Orders Issued for Pesticide Chemicals \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Endocrine Disruptors in Wastewater: Impacts in an Effluent Dominated Stream by Clint Rogers and Michael Luers \(TWR #70: Dec. 15, 2009\)](#)

[Endocrine Disruptors in Nevada: Lake Mead Pollution \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[Endocrine Disruptors: EPA to Expand Testing \(TWR #82, Water Briefs: Dec. 15, 2010\)](#)

[Endocrine Disruptors: EPA Public Review of Information Collection Request \(TWR #113, Water Briefs: July 15, 2013\)](#)

[Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon \(TWR #143: January 15, 2016\)](#)

ENERGY (see also HYDROPOWER and WATER/ENERGY NEXUS):

[Water and Energy Nexus: Site Scale Conservation Opportunities by Steve Moddemeyer \(TWR #63: May 15, 2009\)](#)

["Unquenchable: America's Water Crisis and What to Do About It" - Interview with Author Robert Glennon by David Moon, Editor \(TWR #64: June 15, 2009\)](#)

[Water-Energy: National Symposium Upcoming \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Integrated Water-Energy Planning: Major Nationwide Dialogue Underway by Shrier, Hightower & Johnson \(TWR #66: August 15, 2009\)](#)

[Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith \(TWR #69: Nov. 15, 2009\)](#)

[Biomass Energy Added to Tribal Energy & Environmental Website \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Western Governors Association 2010 Meeting: Water Resolutions \(TWR #77, Water Briefs: July 15, 2010\)](#)

[US Hydropower Development - US Departments of Energy, the Interior, & the Army Assessing and Promoting Federal Hydropower Development by Sensiba & Wood \(TWR #78: Aug. 15, 2010\)](#)

[Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak \(TWR #81: November 15, 2010\)](#)

[Natural Gas Pipeline in the West: Conservation Fund Settlement and Lawsuit Filed \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Hydropower Potential: Bureau of Reclamation Facilities Report \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

["Evaluation of Energy Conservation Measures for Wastewater Treatment Facilities" - EPA Release \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Bureau of Reclamation Update: Interview with Reclamation Commissioner Mike Connor by David Moon \(TWR #82: Dec. 15, 2010\)](#)

[Evaluation of Energy Conservation Measures for Wastewater Treatment Facilities Released by EPA \(TWR #82, Water Briefs: Dec. 15, 2010\)](#)

[Water Sustainability: Recycling & Conservation Report Released in Arizona \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Water Demand Assessment: Western Governors' Association \(Transfers, Energy, ESA & Climate Change\) \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Solar Power & Energy Conservation: Cleanup of Superfund Site by EPA \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Wastewater Innovation: Reuse & Energy System Honored in Hawaii \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Hydropower/Electricity: DOI Assessment Report at Reclamation Facilities \(TWR #86, Water Briefs: April 15, 2011\)](#)

[Sustainable Water Use: Invisioning a Sustainable Water Future for the American West by Barton "Buzz" Thompson \(TWR #87: May 15, 2011\)](#)

[Hydraulic Fracturing Debate: The Long and Winding Road Towards Regulation by Bruce Baizel \(TWR #90: August 15, 2010\)](#)

[GAO Study on "Produced Water" Released \(Oil and Gas Production\) \(TWR #97, Water Briefs: March 15, 2012\)](#)

[California's Water-Energy Nexus: Pathways to Implementation - White Paper by Governor's Climate Action Team \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson \(TWR #106: Dec. 15, 2012\)](#)

[Desalination and Membrane Technologies: Federal Research and Adoption Issues by Nicole Carter \(TWR #109: March 15, 2013\)](#)

[Energy-Water Nexus: The Water Sector's Energy Use & the Energy Sector's Water Use \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Cumulative Watershed Impacts of Small-Scale Hydroelectric Projects in Irrigation Delivery Systems: A Case Study \(TWR #117, Water Briefs: Nov.](#)

15, 2013)

Beyond the Fracking Wars: A Guide for Lawyers, Public Officials, Planners and Citizens - ABA Book (TWR #117, Water Briefs: Nov. 15, 2013)

Columbia River Treaty Options: Protocols for Transboundary Adaptive Management Examined by Bankes & Cosens (TWR #129: Nov. 15, 2014)

In-Pipe Hydropower: Portland's System Secures 20-Year Power Purchase Agreement by Jennifer Allen Newton (TWR #132: Feb. 15, 2015)

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

In-Conduit Hydropower Projects in California and Oregon (TWR #137, Water Briefs: July 15, 2015)

Energy-Positive Water Resource Recovery Workshop Report (TWR #142, Water Briefs: Dec. 15, 2015)

Drought Proofing in Oklahoma: Water for 2060 (TWR #142, Water Briefs: Dec. 15, 2015)

Transboundary Cooperation in the International Columbia River Basin: A Preliminary Assessment of Existing Arrangements & Future Prospects (TWR #142, Water Briefs: Dec. 15, 2015)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Floating Solar Program in Japan: Benefits of Floating Plants (TWR #144, Water Briefs: Feb. 15, 2016)

EPA Enforcement: Seven National Enforcement Initiatives Announced for 2017-2019 (TWR #145, Water Briefs: March 15, 2016)

"Hydropeaking" Flows Study: Devastating Impacts on Aquatic Insects (TWR #146, Water Briefs: April 15, 2016)

ENERGY ANALYSIS:

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

ENERGY EXTRACTION:

EPA Enforcement: Seven National Enforcement Initiatives Announced for 2017-2019 (TWR #145, Water Briefs: March 15, 2016)

ENFORCEMENT ACTIONS (see also EPA and Criminal Prosecution):

Pulp Mill Pollution Violations: Former Officers/Directors Pay Settlement (TWR #23, Water Briefs: Jan. 15, 2006)

Groundwater Augmentation: Conjunctive Use Decision by Colorado Supreme Court (TWR #29, Water Briefs: July 15, 2006)

Untapping Tribal Waters: Tribal Water Marketing Expanding by Clay J. Landry and Christina Quinn (TWR #35: January 15, 2007)

Texas Groundwater - Rule of Capture and Groundwater Management in Texas: Part I by Bruce K. Darling (TWR #38: April 15, 2007)

[Idaho Conjunctive Use: Idaho Supreme Court Upholds Conjunctive Water Rights Administration Rules by Jeff Fereday \(TWR #40, June 15, 2007\)](#)

[California SWRCB Seeks Comments on Draft Baseline Enforcement Report \(TWR #50, Water Briefs: April 15, 2008\)](#)

[TCE Settlement with \\$500,000 Penalty: Drinking Water in Arizona \(TWR #52, Water Briefs: June 15, 2008\)](#)

[EPA "Clean Start" New Owner Policy: Interim Policy for Reduced Penalties \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Storm Water Regulation Update: Rough Waters In California by Wendy L. Manley \(TWR #55: September 15, 2008\)](#)

[EPA "eDISCLOSURE" Pilot Project: Self-Disclosure of Environmental Violations \(TWR #55, Water Briefs: September 15, 2008\)](#)

[California Environmental Enforcement: NRDC Report on Oversight \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Clean Water Act Enforcement: Criminal Sentencing \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro \(TWR #63: May 15, 2009\)](#)

[Coalbed Methane Decision: "Beneficial Use" and Well Permit Required - Ranchers' Senior Water Rights Protected by David Moon \(TWR #63: May 15, 2009\)](#)

[Water Treatment Supervisor Pleads Guilty to Falsifying Reports \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Clean Water Act Enforcement: EPA Issues New Action Plan by Tyson Kade and John Iani \(TWR #69: Nov. 15, 2009\)](#)

[Environmental Crime & Assault Results in Twenty-Year Sentence in Utah \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt \(TWR #72: Feb. 15, 2010\)](#)

[NPDES Enforcement Annual Report Released in California \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Enforcement Report Released by California State Water Resources Board \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Enforcement of CWA: Homebuilder Agrees to \\$925,000 Fine Plus Improvements for Stormwater Violations in 21 States \(TWR #82, Water Briefs: Dec. 15, 2010\)](#)

[Enforcement Results: EPA 2010 Compliance Report - Criminal & Civil Penalties and Mapping Tool \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[EPA Complaint Filed: Emergency Order Enforcement in Texas \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Clean Water Act Enforcement - EPA Updates Data & Mapping Webtool \(TWR #86, Water Briefs: April 15, 2011\)](#)

[ESA Experimental Population: NMFS' First Proposed Designation a Win-Win for Water Users and Steelhead by Filippi & Maag \(TWR #89: July 15, 2011\)](#)

[Enforcement Report \(2010\) for State Water Resources Control Board of California Released \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Enforcement and Compliance History Online \(ECHO\): New Interactive Mapping Feature \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[NOAA Enforcement Draft Priorities Released \(Public Comment Through January 9\)\(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[CAL/EPA 2010 Enforcement Report Released in California \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[Discharge Monitoring Report \(DMR\) Pollutant Loading Tool: EPA Online Tool \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[Sackett v. EPA: U.S. Supreme Court Opens Door to Pre-Enforcement Review by Richard M. Glick \(TWR #98: April 15, 2012\)](#)

[Abandonment & Nonuse Case in Nebraska: Regulation of Water Rights Leads to Decision on Common Law Issues by Moon \(TWR #99: May 15, 2012\)](#)

[NOAA Enforcement Priorities Document Released \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs \(TWR #100: June 15, 2012\)](#)

[Stockpond/Reservoir Permits: Enforcement Effort by the California Water Resources Board \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[Improving Water Right Enforcement Authority, California Bay-Delta Watermaster Report \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Fracking Lawsuit in California - Enforcement Issue Regarding Existing Law \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[NOAA Enforcement: Division Enforcement Priorities for 2013 \(Draft\) Released for Comment \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Green Infrastructure Factsheets on Permitting & Enforcement Released by EPA - NPDES Wet Weather Programs \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor \(TWR #110: April 15, 2013\)](#)

[Culvert Case Decided in Washington: Tribal Treaty Fishing Rights Victory by David Moon \(TWR #110: April 15, 2013\)](#)

[Wastewater Spills in Arizona - ADEQ Enforcement \(Fine & Supplemental Environmental Project Required\) \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Cleanup Settlement at Goodrich Superfund Site in California \(EPA\): TCA & Perchlorate \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Safe Drinking Water Enforcement by EPA on Southern Ute Reservation in Colorado: Underground Injection Control \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Water Rights Determination: Agency Authority in Enforcement Actions in California \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson \(TWR #117, Nov. 15, 2013\)](#)

[Instream Rights Enforcement Discretion Agreement - *Swinomish v. Ecology* \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Clean Water Act Enforcement: Oil Spill Fines & Restitution in Wyoming - Criminal Charges Pending \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[EPA Enforcement & Compliance Report Issued for 2013 \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Enforcement Report of 2013 Actions Released by California State Water Resources Control Board \(TWR #123, Water Briefs: May 15, 2014\)](#)

[EPA Strategic Plan for 2014-2018 Issued: Climate Change Emphasis \(TWR #123, Water Briefs: May 15, 2014\)](#)

[Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors \(TWR #124: June 15, 2014\)](#)

[GAO Oil & Gas Report: Underground Injection Control Recommendations for EPA's Oversight \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols \(TWR #128, Oct. 15, 2014\)](#)

[Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations \(Congressional Research Service\) by Claudia Copeland \(TWR #128, Oct. 15, 2014\)](#)

[California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon \(TWR #128, Oct. 15, 2014\)](#)

[Dry Year Program Report & Recommendations for California's Water Rights Priority System \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[EPA Enforcement & Compliance Report for 2014 \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Mandatory Water Use Restrictions in California: Governor's Executive Order a First \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Curtailment Support in California - Court Ruling in State's Favor on Enforcement \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Civil Penalty for Unauthorized Diversion/Use in California: \\$1.5 million Fine Issued for Water District \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Drought Compliance in California: Urban Use Reduced By 27% \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[Agency Enforcement - Drought Measures in California \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Water Enforcement in California: Conservation & Regulation \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[EPA Enforcement and Compliance Report for 2015 Released \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Fishery Regulations in California: Information Order & Potential Fines For Noncompliance \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[EPA Enforcement: Seven National Enforcement Initiatives Announced for 2017-2019 \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Illegal Irrigation in Washington Results in Penalty: Excessive Watering & Numerous Warnings \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Wastewater Effluent Spill by Private Ski Area in Montana's West Gallatin River \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Clean Water Act Decision: Jurisdictional Determination Appealable Immediately \(TWR #148, Water Briefs: June 15, 2016\)](#)

[Drought Enforcement in California - Dismissals Proposed Due to Failure to Prove Water Not Available \(TWR #148, Water Briefs: June 15, 2016\)](#)

[Stock Pond Permit Settlement: EPA & Landowners Settle Clean Water Act Lawsuit \(TWR #148, Water Briefs: June 15, 2016\)](#)

ENHANCED OXIDATION:

[Recycled Water: Beer Brewing Proposal in Oregon \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

ENLARGEMENT OF RIGHT:

[Adverse Possession & Beneficial Use in Colorado by David Moon, Editor \(TWR #108: Feb. 15, 2013\)](#)

[Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde \(TWR #117, Nov. 15, 2013\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

[AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein \(TWR #146: April 15, 2016\)](#)

"ENLIST DUO":

[Herbicide Disapproval: EPA Seeks Revocation of Enlist Duo \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

ENTRAINMENT & IMPINGEMENT:

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

ENVIRONMENTAL BASELINE:

[National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch \(TWR #145: March 15, 2016\)](#)

ENVIRONMENTAL BENEFITS:

[Authors' Responses: Yakima River Basin Integrated Plan \(TWR #135: May 15, 2015\)](#)

ENVIRONMENTAL COMPLIANCE OFFICE:

Stormwater Penalty: Hawaii Department of Transportation Agrees to Settlement for Violations (TWR #128, Water Briefs, Oct. 15, 2014)

ENVIRONMENTAL FLOWS (see also INSTREAM FLOWS):

Environmental Flow Policies & Guidelines Report (TWR #80, Water Briefs: Oct. 15, 2010)

ERRATA: Environmental Flows (TWR #81, Water Briefs: Nov. 15, 2010)

Environmental Markets: Using Environmental Markets to Expand the Pace and Scale of Restoration by Horton & Gaddis (TWR #94: Dec. 15, 2011)

Environmental Flows: TCEQ Approves New Permit Rules for Several Rivers and Bays (Surface Water) (TWR #103, Water Briefs: Sept. 15, 2012)

Environmental Flows Standards and Strategies Recommendations Report - Brazos River & Estuary Submitted to TCEQ (TWR #104, Water Briefs: Oct. 15, 2012)

The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor (TWR #110: April 15, 2013)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board (TWR #136: June 15, 2015)

Colorado River *Moving Forward Phase 1 Report* Released by Reclamation & Stakeholders (TWR #136, Water Briefs: June 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

Rio Grande Lawsuit: WildEarth Guardians Seek Historical Beneficial Use Accounting for Water Rights (TWR #146, Water Briefs: April 15, 2016)

Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap (TWR #148: June 15, 2016)

Recommendations for Improving Water Transfers and Access to Water Markets in California (TWR #148, Water Briefs: June 15, 2016)

ENVIRONMENTAL IMPACT REPORT:

"Underground Regulation" — Agency Rulemaking & the California Administrative Procedures Act by Damien Schiff (TWR #133: March 15, 2015)

ENVIRONMENTAL JUSTICE:

Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly (TWR #131: Jan. 15, 2015)

ENVIRONMENTAL MARKETS:

Environmental Markets: Using Environmental Markets to Expand the Pace and Scale of Restoration by Horton & Gaddis (TWR #94: Dec. 15, 2011)

Water Quality Trading-"In It Together: A How-To Reference for Building Point-Nonpoint Water Quality Trading Programs by Cochran, Maness & Lindley (TWR #103: Sept. 15, 2012)

ENVIRONMENTAL MITIGATION:

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

ENVIRONMENTAL NEEDS:

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

ENVIRONMENTAL OUTCOMES:

"Quantified Conservation" - Measurement & Tracking of Environmental Outcomes & Impact by The Freshwater Trust (TWR #144, Water Briefs: Feb. 15, 2016)

ENVIRONMENTAL PRACTICES CERTIFICATION:

Salmon Safe Certification: Golf Course Assessment Leads to Certification for Tribal Course (TWR #99, Water Briefs: May 15, 2012)

"ENVIRONMENTAL PROTECTION":

U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service (TWR #118, Dec.

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- EPA Enforcement Summary 2004 (TWR #10, Water Briefs: Dec. 15, 2004)
- EPA Water Quality Training Handbook (TWR #10, Water Briefs: Dec. 15, 2004)
- Pesticide Assessments Completed by EPA - (ESA Impact) (TWR #11, Water Briefs: Jan. 15, 2005)
- EPA, the ESA and Pesticides by Patti Goldman (TWR #12: Feb. 15, 2005)
- EPA Pesticides Proposed Rule and Statement Announced (TWR #12, Water Briefs: Feb. 15, 2005)
- Sewage "Blending" and EPA Proposed Rule (TWR #12, Water Briefs: Feb. 15, 2005)
- Toxicity Guidance EPA Draft: WET Testing in NPDES Permits (TWR #12, Water Briefs: Feb. 15, 2005)
- Growth and Water: EPA Training Module On-Line (TWR #12, Water Briefs: Feb. 15, 2005)
- EPA's CAFO Rules: Second Circuit Holding (TWR #13, Water Briefs)
- Perchlorate - EPA Reference Dose (TWR #13, Water Briefs: March 15, 2005)
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- Clean Water Act Enforcement - NPDES Violations (TWR #14, Water Briefs: April 15, 2005)
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- Pretreatment Rule for Wastewater Discharges (TWR #20, Water Briefs: October 15, 2005)
- Tribal Projects EPA Grants (TWR #21, Water Briefs: Nov. 15, 2005)
- EPA Announces Brownfields Rule: All Appropriate Inquiries (TWR #21, Water Briefs: Nov. 15, 2005)
- EPA Rule Finalized: Wastewater Treatment Exemptions for Hazardous Waste (TWR #22, Water Briefs: Dec. 15, 2005)
- EPA ESA Program on Pesticides: Field Implementation (TWR #22, Water Briefs: Dec. 15, 2005)
- Groundwater Sampling and Monitoring with Direct Push - EPA Guidance (TWR #22, Water Briefs: Dec. 15, 2005)
- Stormwater Discharge Vioaltions by Seven-Up/RC Bottling Company (TWR #22, Water Briefs: Dec. 15, 2005)
- Perchlorate Contamination and Cleanup: EPA Protective Guidance Issued (TWR #24, Water Briefs: February 15, 2006)
- Tribal Clean Water Act Grants: EPA Guideline Published (TWR #24, Water Briefs: February 15, 2006)
- Small Drinking Water Systems: EPA Releases Water Tools and Variances (TWR #25, Water Briefs: March 15, 2006)
- Mining Megasite Cleanup: CERCLA Remedies Adapt to Circumstances in Butte, Montana by Angela Frandsen (TWR #26: April 15, 2006)
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- International Agreement with Canada: Transboundary CERCLA Settlement (TWR #29, Water Briefs: July 15, 2006)
- Stormwater Violation and EPA Settlement (TWR #30, Water Briefs: August 15, 2006)

Lead in Drinking Water: EPA Lead and Copper Rule Proposal (TWR #30, Water Briefs: August 15, 2006)

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Tribal Water Quality: Program Case Studies (TWR #31, Water Briefs: Sept. 15, 2006)

Watershed Grants by EPA (TWR #31, Water Briefs: Sept. 15, 2006)

Municipal Wastewater Violations in Idaho - EPA Settlement (TWR #31, Water Briefs: Sept. 15, 2006)

Stormwater Violations: Developers Fined in Idaho (TWR #31, Water Briefs: Sept. 15, 2006)

EPA Enforcement in Alaska: Discharges Without NPDES Permit (TWR #31, Water Briefs: Sept. 15, 2006)

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New Regulations for Ballast Water Ordered (TWR #32, Water Briefs: October 15, 2006)

Water Efficiency: Landscape Irrigation - EPA Certification (TWR #33, Water Briefs: Nov. 15, 2006)

Ecosystem Indicators (EPA Web-Based Program): Puget Sound (TWR #33, Water Briefs: Nov. 15, 2006)

Drinking Water Underground Source Risks: EPA Rule Issued (TWR #33, Water Briefs: Nov. 15, 2006)

Aquatic Pesticides: EPA Final Rule Issued (TWR #34, Water Briefs: December 15, 2006)

Tribal Water Projects: EPA Funding Publication (TWR #34, Water Briefs: December 15, 2006)

Stormwater Pollution Order on Industrial Runoff in California (TWR #34, Water Briefs: December 15, 2006)

NPDES Permits & Water Transfers: Post-*Miccosukee* Court in Florida Finds NPDES Permit Necessary by Richard M. Glick (TWR #35: January 15, 2007)

NPDES Requirements & Pesticides: EPA's Final Rule Exempts Certain Applications by Beth S. Ginsberg (TWR #35: January 15, 2007)

Perchlorate Legislation Introduced (TWR #35, Water Briefs: January 15, 2007)

Clean Water Act Settlement: Wetlands Preservation & Enhancement (TWR #35, Water Briefs: January 15, 2007)

Drinking Water: Unregulated Contaminants Monitored for Study (TWR #35, Water Briefs: January 15, 2007)

Wetland Nutrients: Draft EPA Water Quality Standards Guidance (TWR #35, Water Briefs: January 15, 2007)

Watershed Management EPA Grant for New Mexico (TWR #36, Water Briefs: February 15, 2007)

[Mercury Study of Rivers in West Released \(EPA & OSU\) \(TWR #36, Water Briefs: February 15, 2007\)](#)

[ESA & CWA: Endangered Species Act Influences on EPA's Clean Water Act Programs \(The Washington State Example\) by Palmer \(TWR #37: March 15, 2007\)](#)

[Stormwater Settlement \(Failure to Obtain and Failure to Follow Provisions \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Municipal Wastewater: Phosphorus Reduction & Permits \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Superfund Cleanup Deadline: Stipulated Penalty of \\$358,000 \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Transboundary Pollution - 9th Circuit Order Appealed \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Clean Water Act Authority Approved for Pyramid Lake Paiute Tribe \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Clean Water Act Violation: Negotiated Settlement in Alaska \(TWR #38, Water Briefs: April 15, 2007\)](#)

[Clean Water Act Mercury Listing - EPA Guidance \(TWR #38, Water Briefs: April 15, 2007\)](#)

[Water Contaminants: Safe Drinking Water List - EPA's Preliminary Determinations \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Watershed Planning: EPA Web-Based Tool \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Tribal Assistance Program for Wastewater Funding \(EPA's Clean Water Set-Aside Grants\) \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Water Quality Modeling Tool: EPA Releases New Version \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Municipal Stormwater: An Overview of Current Regulation and Management by Misha Vakoc \(TWR #40, June 15, 2007\)](#)

[Hazardous Waste Injection Approved by EPA \(TWR #40, Water Briefs; June 15, 2007\)](#)

[CAFO Compliance Extension for EPA Proposal \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Water Utilities Performance Measures: EPA Support \(TWR #40, Water Briefs; June 15, 2007\)](#)

[EPA Municipal Stormwater Programs: GAO Report \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Wetlands Policy: Corps/EPA Guidance Issued \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Transboundary CERCLA Case: Supreme Court Requests Federal Brief \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Safe Drinking Water Violations: \\$1 Million Penalty for Refinery \(TWR #41, Water Briefs: July 15, 2007\)](#)

[City/EPA Settlement for Wastewater Treatment Violations \(CWA\) \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Good Samaritan Settlement Agreements: CERCLA Tool for Mine Cleanup \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Tribal Water Quality: EPA Portal Website \(TWR #42, Water Briefs: August 15, 2007\)](#)

[CAFO Compliance: EPA Deadlines Extended \(TWR #42, Water Briefs: August 15, 2007\)](#)

[Migrating Plume in Arizona: EPA Groundwater Order \(TWR #42, Water Briefs: August 15, 2007\)](#)

[California 303\(d\) List: EPA Final Decision \(TWR #42, Water Briefs: August 15, 2007\)](#)

[TMDL Options: EPA Draft Technical Document \(TWR #42, Water Briefs: August 15, 2007\)](#)

[Response to "Nutrient Numeric Endpoints: Not Quite Ready for Prime Time?" \(Jungreis & Thomas, TWR #42\) by Dr. Jonathan Butcher and Cynthia Gorham-Test \(TWR #43, Sept. 15, 2007\)](#)

[Watershed-Based NPDES Permitting Technical Guidance Issued by EPA \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Toxic Discharges Criminal Fine by EPA in Texas \(TWR #44, Water Briefs: Oct. 15, 2007\)](#)

[Biological Treatment of Groundwater and Soil Contamination in California \(TWR #44, Water Briefs: Oct. 15, 2007\)](#)

[Contaminated Sediments Update: Conference Links Law, Science & Public Policy by Heather Brunelle and Cindy Ryals \(TWR #45, Nov. 15, 2007\)](#)

[Errata/Addition: Hydropower & Water Quality Article \(TWR #46, Water Briefs: December 15, 2007\)](#)

[TMDL Challenges in Development and Implementation by David L. Clark, Jory Oppenheimer, and Michael Kasch \(TWR #47: January 15, 2008\)](#)

[EPA Stormwater Report: Low Impact Development \(TWR #47, Water Briefs: January 15, 2008\)](#)

[Stormwater Plan: EPA Guide for Construction Sites \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Water Infrastructure: EPA Needs Assessment \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Agriculture Compliance Assistance Center Web Portal \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Drinking Water Contaminant Candidate List Comments Sought \(TWR #49, Water Briefs: March 15, 2008\)](#)

[CAFO Options Proposed by EPA \(TWR #49, Water Briefs: March 15, 2008\)](#)

[EPA Reversal on 303\(d\) Listing: Klamath River Decision \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Brownfields Grants Announced by EPA: \\$74 Million \(TWR #50, Water Briefs: April 15, 2008\)](#)

[National Water Program Strategy: Response to Climate Change - EPA Seeks Comment to Draft \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Tribal Contamination: Risk-Assessment Guidance Manual Released \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Cooling Water Intake Rule - Supreme Court to Review \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Ski Area Oil Spill: EPA Penalty Settlement in Washington \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Small Water Systems: EPA Management Tool \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Brownfield Project for Groundwater Cleanup: EPA Agreement \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Wetlands Enforcement: Clean Water Act Settlement in Idaho \(TWR #51, Water Briefs: May 15, 2008\)](#)

Tribal "Treatment As State" - Oklahoma Tribes Face Special "Treatment" by David Moon and David Light (TWR #52: June 15, 2008)

Environmental Indicators: EPA 2008 Report on the Environment (TWR #52, Water Briefs: June 15, 2008)

Water Transfers: Permit Not Needed Under New EPA Rule (TWR #52, Water Briefs: June 15, 2008)

TCE Settlement with \$500,000 Penalty: Drinking Water in Arizona (TWR #52, Water Briefs: June 15, 2008)

Stormwater/Construction General Permit: EPA Proposal (TWR #52, Water Briefs: June 15, 2008)

Mississippi River Nutrients: Gulf Dead Zone (TWR #53, Water Briefs: July 15, 2008)

Stormwater Permits Electronic Filing System Updated by EPA (TWR #53, Water Briefs: July 15, 2008)

Pesticides Evaluation: NMFS Settlement Agreement & Draft Jeopardy Findings (TWR #54, Water Briefs: August 15, 2008)

Alaskan NPDES Authority Sought (TWR #54, Water Briefs: August 15, 2008)

Pharmaceuticals & Water Quality: EPA Information Collection Request (TWR #54, Water Briefs: August 15, 2008)

EPA "Clean Start" New Owner Policy: Interim Policy for Reduced Penalties (TWR #54, Water Briefs: August 15, 2008)

Stormwater Consent Decree: \$1 Million Civil Fine for Landfill Violations (TWR #55, Water Briefs: September 15, 2008)

Leaded Wheel Weights Phase-Out: Lawsuit Settlement Under Safe Drinking Water Act (TWR #55, Water Briefs: September 15, 2008)

NPDES Fees: EPA Incentives Program (TWR #55, Water Briefs: September 15, 2008)

Kansas' Revised State Water Quality Standards Approved by EPA (TWR #55, Water Briefs: September 15, 2008)

EPA "eDISCLOSURE" Pilot Project: Self-Disclosure of Environmental Violations (TWR #55, Water Briefs: September 15, 2008)

CAFO Violations Lead to EPA Enforcement Actions in Texas (TWR #55, Water Briefs: September 15, 2008)

Clean Water Act: Largest Fine Ever in Stormwater Criminal Misdemeanor Action (\$13 million) (TWR #56, Water Briefs: October 15, 2008)

Wetlands Penalty Agreement in South Dakota: Illegal Fill Results in Clean Water Act Violations (TWR #56, Water Briefs: October 15, 2008)

CAFO Cease and Desist in Texas: Clean Water Act Violations (TWR #56, Water Briefs: October 15, 2008)

Clean Water Act Violations in Arizona: \$1.25 Million Penalty (TWR #56, Water Briefs: October 15, 2008)

New Stormwater Multi-Sector General Permit Issued by EPA (TWR #56, Water Briefs: October 15, 2008)

EPA Clean Water Act Regs: 9th Circuit Affirms Mandate that EPA Issue Construction Industry Guidelines/Standards by Iani & Kennedy (TWR #57: Nov. 15, 2008)

Wetlands Violation & Agreement in North Dakota: Unauthorized Dredge & Fill (TWR #57, Water Briefs: November 15, 2008)

CAFO Requirements: EPA Rule Finalized (TWR #57, Water Briefs: November 15, 2008)

[NPDES Permits Program Approved by EPA in Alaska \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Clean Water Act Violations in Arizona: Santa Cruz River Illegal Filling Results in \\$1.25 Million Penalty \(TWR #57, Water Briefs: November 15, 2008\)](#)

[EPA's National Water Program Strategy: Response to Climate Change Released \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Petroleum Brownfields: EPA Revitalization Plan \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Columbia River Toxics: EPA's Columbia River Basin State of the River Report for Toxics by Mary Lou Soscia and Kim Johnson \(TWR #58: December 15, 2008\)](#)

[Wetlands Revised Guidance: Clean Water Act Scope and Jurisdiction \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Erosion Best Management Practices for Construction: EPA Seeks Comments \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Pharmaceutical Waste: EPA Proposal to Add to Universal Waste Rule \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Hanford Contamination Lawsuit: Washington Sues DOE Over Cleanup Failure \(TWR #58, Water Briefs: December 15, 2008\)](#)

[New Stormwater Regulations: EPA Proposes Rule for New Effluent Limitations-Guidelines for Construction & Development by Ziemer \(TWR #59: Jan. 15, 2009\)](#)

[Aquatic Pesticides: Sixth Circuit Strikes EPA Aquatic Pesticide Rule by J. Mark Morford \(TWR #59: Jan. 15, 2009\)](#)

[American Recovery & Reinvestment Act of 2009: Federal Water & Environment Funding \(TWR #61, Water Briefs: March 15, 2009\)](#)

[Wetlands Enforcement in Idaho: Restoration Ordered by EPA \(TWR #61, Water Briefs: March 15, 2009\)](#)

[Impaired Water List: EPA Decision on Nebraska's List \(TWR #61, Water Briefs: March 15, 2009\)](#)

[SUPERFUND Cleanup: Groundwater & Soil Cleanup in California \(TWR #61, Water Briefs: March 15, 2009\)](#)

[DOE Fined by EPA for Cleanup Shutdown of Toxic Wastes Lawrence Livermore National Laboratory \(TWR #62, Water Briefs: April 15, 2009\)](#)

[FIFRA Violations Settlement in Idaho: Herbicide Applications \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Wetlands: US/Mexico Joint Treatment Project \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Pesticides BiOp Issued by NMFS: Impacts on Salmon \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Water Treatment Supervisor Pleads Guilty to Falsifying Reports \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Aquifer Storage Recovery & EPA's Underground Injection Control Program-EPA's "ASR Experts" Report by Shrier \(TWR #64: June 15, 2009\)](#)

[Watershed Central: EPA Website Launched \(TWR #64, Water Briefs: June 15, 2009\)](#)

[Water Transfers and the CWA: Eleventh Circuit Upholds EPA Interpretation of Clean Water Act as Exempting Water Transfers from NPDES Requirements by Sensiba & Carbonell \(TWR #65: July 15, 2009\)](#)

[Mine Slurry Permit: Corps v. EPA Authority \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Navajo Nation Lauded: Environmental Protection and Leadership \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Pesticide Restriction in California: EPA Settlement Proposal in SF Bay Area \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Balancing Resource Protection & Economic Development: An Early Assessment of Emerging Water Policies in the Obama Administration by Sensiba & Swenson \(TWR #66: August 15, 2009\)](#)

[EPA Interagency Website: Improved Access for Federal Regulations \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Mercury Contamination in Fish: USGS Nationwide Study \(TWR #67: September 15, 2009\)](#)

[Perchlorate Regulations: Supplemental Comments for New Rules \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Sewer Overflows: Puget Sound Protection \(EPA Compliance Orders with Seattle & King County\) \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Geologic Sequestration: Carbon Dioxide Injection - EPA Seeking Comments \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[SUPERFUND Settlement: \\$21 Million Contaminated Groundwater Cleanup System \(EPA & Northrop Grumman\) \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Stormwater Agreement in Texas: Contractors & Agencies Pilot Program \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Power Plant Discharge: EPA Revising Wastewater Rules \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Priority Contaminants: EPA Drinking Water List \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Contaminate Sediments: EPA Order for Whitefish River in Montana \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Clean Water Act Enforcement: EPA Issues New Action Plan by Tyson Kade and John Iani \(TWR #69: Nov. 15, 2009\)](#)

[Endocrine Disruptors: EPA Screening Orders Issued for Pesticide Chemicals \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Environmental Crime & Assault Results in Twenty-Year Sentence in Utah \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Safe Drinking Water: Summary of EPA Actions in Montana \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Klamath Settlement Agreements: Charting a New Direction by Glen Spain \(TWR #70: Dec. 15, 2009\)](#)

[Section 404 Clean Water Act Overhaul: EPA Enforcement Changes Urged \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[Irrigation Controls: EPA Specification Comment for Draft WaterSense \(Weather-Based Irrigation Controllers\) \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[EPA Climate Work Group for Water Utilities \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[Construction Sites: EPA Stormwater Rule \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[HAZWASTE Cleanup: EPA To Distribute \\$1.79 Billion From Largest Ever Enviro-Bankruptcy \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Federal Stormwater Rule: EPA Listening Sessions \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

Stormwater Discharge: EPA "Ports Initiative" - San Joaquin River Agreement (TWR #71, Water Briefs: Jan. 15, 2010)

Chemicals of Concern List: EPA's Toxic Substances Control Act Actions (TWR #71, Water Briefs: Jan. 15, 2010)

Pesticide Methodology Regarding Aquatic Life Effects: EPA Public Meetings (TWR #71, Water Briefs: Jan. 15, 2010)

Ambient Water Quality Criteria for Ammonia - Freshwater: EPA Draft Update (TWR #71, Water Briefs: Jan. 15, 2010)

Ambient Water Quality Criteria for Ammonia - Freshwater: EPA Draft Update (TWR #71, Water Briefs: Jan. 15, 2010)

Pesticide Ingredients: EPA Seeks Disclosure (TWR #71, Water Briefs: Jan. 15, 2010)

Pesticide Lawsuit for Alleged Endangered Species Act Violations (TWR #72, Water Briefs: Feb. 15, 2010)

Wetland Grants: EPA Development Grants Program (TWR #72, Water Briefs: Feb. 15, 2010)

Stormwater Regulation Update: EPA Expanding Program by Wendy L. Manley (TWR #73: March 15, 2010)

Aquifer Storage & Recovery; New Federal Initiatives - EPA to Develop Guidance by Dr. Cat Shrier (TWR #74, April 15, 2010)

Environmental Health Risk Data: EPA Website Launched (TWR #74, Water Briefs: April 15, 2010)

Drinking Water Supply: EPA Announces Stricter Regulations (TWR #74, Water Briefs: April 15, 2010)

Safe Drinking Water Act Guidance: Public Notification Rule (TWR #75, Water Briefs: May 15, 2010)

Water Planning in New Mexico: \$100,000 EPA Grant to EPA to New Mexico Environment Department (TWR #75, Water Briefs: May 15, 2010)

Toxics Inventories: EPA Proposed Toxics Release Inventory Expansion (TWR #75, Water Briefs: May 15, 2010)

Perchlorate Standard: EPA Office of Inspector General's Scientific Analysis (TWR #75, Water Briefs: May 15, 2010)

EPA Proposes New Permit Requirements for Pesticide Discharges (TWR #76, Water Briefs: June 15, 2010)

Draft Columbia River Toxics Reduction Action Plan: Comments Sought (TWR #76, Water Briefs: June 15, 2010)

Sanitary Sewer Overflows: EPA Rulemaking (TWR #76, Water Briefs: June 15, 2010)

CAFO Violations: EPA Enforcement Actions in the Midwest (TWR #76, Water Briefs: June 15, 2010)

Construction Stormwater Regulation: EPA Withdraws Numeric Sedimentation Limits by Tom Lindley and Jessica Hamilton (TWR #79, Sept. 15, 2010)

Clean Water Act Litigation: Avoiding and Responding to Third-Party Lawsuits by Jeff Kray & Meline MacCurdy (TWR #79, Sept. 15, 2010)

Logging Road Runoff: U.S. Loggers Lose an Important Clean Water Act Exemption by Jeffrey J. Miller & Robert A. Maynard (TWR #79, Sept. 15, 2010)

Hydraulic Fracturing Impacts: EPA Study Released - Public Meetings (TWR #77, Water Briefs: July 15, 2010)

Watershed Needs: EPA Releases 2008 Survey (TWR #77, Water Briefs: July 15, 2010)

[Drinking Water Rules: Total Coliform - EPA Update \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Drinking Water Rules: Total Coliform - EPA Update \(TWR #77, Water Briefs: July 15, 2010\)](#)

[CAFO Regulations: EPA Releases Implementations Guidance Document \(TWR #77, Water Briefs: July 15, 2010\)](#)

[CAFO Discharges in Idaho \(EPA Order - Simplot Cattle Feeding Company \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Safe Drinking Water Enforcement in Alaska: Chlorine Disinfection Byproducts \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Water Quality Standards Revision: EPA Listening Sessions August 24 & 26 \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Water Supply Protection: EPA/DOE "Canary" Software \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[L.A. River "Navigable" - Clean Water Act Protection Extended \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Dredging Opposed in Missouri River: EPA Objects to Corps Proposals \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Total Coliform Rule: EPA Comment Period Extended \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Blackfeet Tribe Seeks Clean Water Act Status \("TAS"\): Comment Period Open \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Tribal Drinking Water Operator Certification Program: EPA Drinking Water Program \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Climate Response: EPA Toolbox for Water Utilities \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Phosphorus Removal: Boise Proposes Innovative Offset Project \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Wastewater & Stormwater Pollution Control in U.S. - Over \\$298 Billion Needed \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Hydraulic Fracturing: The Road to EPA's New "Fracking" Study by Adam Orford \(TWR #80: Oct. 15, 2010\)](#)

[EPA Construction Stormwater Rule: Seventh Circuit Clarifies Ruling by Tom Lindley and Jessica Hamilton \(TWR #80: Oct. 15, 2010\)](#)

[Pesticides Regulation: EPA Concludes Comment Period on Proposed Pesticide General Permit - Final Permit Issuance Expected This December by Lindley & Hamilton \(TWR #80: Oct. 15, 2010\)](#)

[Coastal Logging: Water Quality Lawsuit Impacts State Logging Practices - Enforceable Nonpoint Limits to be Established \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Cleanup Agreement: Tribal Lands Uranium Contamination \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Stormwater Treatment: PCBS & Boeing Field Agreement \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[EPA issues Clean Water & Drinking Water Infrastructure Sustainability Policy \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Fracking Chemicals: EPA Impact Study \(Halliburton Issued Subpoena\) \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Clean Water and Drinking Water Infrastructure Sustainability Policy Released by EPA \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[“Evaluation of Energy Conservation Measures for Wastewater Treatment Facilities” - EPA Release \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

Clean Water Permits: EPA Requests Action on Expired Sewage Treatment & Industrial Permits in Texas (TWR #82, Water Briefs: Dec. 15, 2010)

Enforcement of CWA: Homebuilder Agrees to \$925,000 Fine Plus Improvements for Stormwater Violations in 21 States (TWR #82, Water Briefs: Dec. 15, 2010)

Endocrine Disruptors: EPA to Expand Testing (TWR #82, Water Briefs: Dec. 15, 2010)

Evaluation of Energy Conservation Measures for Wastewater Treatment Facilities Released by EPA (TWR #82, Water Briefs: Dec. 15, 2010)

Drinking Water Contamination From Fracking in Texas: EPA Order (TWR #83, Water Briefs: Jan. 15, 2011)

Groundwater Order in Montana: EPA Enforcement on Oil Production Contaminants (TWR #83, Water Briefs: Jan. 15, 2011)

Enforcement Results: EPA 2010 Compliance Report - Criminal & Civil Penalties and Mapping Tool (TWR #83, Water Briefs: Jan. 15, 2011)

Toxics & Drinking Water: Perchlorate Regulation Announced by EPA (TWR #84, Water Briefs: Feb. 15, 2011)

EPA Complaint Filed: Emergency Order Enforcement in Texas (TWR #84, Water Briefs: Feb. 15, 2011)

NPDES Permit Writing: Web-Based Training by EPA (TWR #84, Water Briefs: Feb. 15, 2011)

Hydraulic Fracturing & Drinking Water: EPA's Plan to Study Impacts of Hydraulic Fracturing - Debate Intensifies by Orford (TWR #85: March 15, 2011)

Stormwater and TMDL Allocations: EPA Recommends Stormwater Permit Numeric Wasteload Allocations by Eric Strecker (TWR #85: March 15, 2011)

EPA Regulations Improvement Plan: Comments Sought (TWR #85, Water Briefs: March 15, 2011)

Water Contaminants Information Tool Available from EPA (TWR #85, Water Briefs: March 15, 2011)

Contaminant Monitoring for Drinking Water: EPA Proposal for Unregulated Contaminants (TWR #85, Water Briefs: March 15, 2011)

Landowner Rights Decision: Standing to Challenge "Impaired Waters" 303(d) Listing Under Clean Water Act (TWR #85, Water Briefs: March 15, 2011)

Stormwater Agreement in Utah: Unpermitted Discharges Penalty for Quarry Runoff (TWR #85, Water Briefs: March 15, 2011)

Clean Water Strategy Released by EPA (TWR #86, Water Briefs: April 15, 2011)

Wetlands Violations & EPA Enforcement: Large Penalty and Restoration Ordered in Montana (TWR #86, Water Briefs: April 15, 2011)

Aquatic Ecosystems: EPA Proposed Protection Standards (TWR #86, Water Briefs: April 15, 2011)

Clean Water Act Enforcement - EPA Updates Data & Mapping Webtool (TWR #86, Water Briefs: April 15, 2011)

Climate & Utilities: EPA Vulnerability Assessments Final Report (Case Studies of Water Utility Practices) (TWR #86, Water Briefs: April 15, 2011)

Construction General Permit (Stormwater): EPA Permit Proposal - Comment Period Open (TWR #87, Water Briefs: May 15, 2011)

Fracking - Diesel: EPA Regulations - Stakeholder Input Sought (TWR #89, Water Briefs: July 15, 2011)

- Water & Wastewater Training: EPA Tribal Workshops (TWR #89, Water Briefs: July 15, 2011)
- Fish Consumption & Tribes: Revised Water Quality Standards in Oregon (TWR #89, Water Briefs: July 15, 2011)
- Identifying Waters Protected by the Clean Water Act - Comment Period Extended (TWR #89, Water Briefs: July 15, 2011)
- Hydraulic Fracturing Debate: The Long and Winding Road Towards Regulation by Bruce Baizel (TWR #90: August 15, 2010)
- Nitrogen & Phosphorus Pollution (Numeric Water Quality Criteria): EPA Website Enhanced (TWR #90, Water Briefs: August 15, 2011)
- Pharmaceuticals in Drinking Water: General Accountability Office Report Released (TWR #92, Water Briefs: Oct. 15, 2011)
- Uranium Mine on Navajo Nation Land: EPA Cleanup Plan Announced (TWR #92, Water Briefs: Oct. 15, 2011)
- Gulf Coast Restoration: EPA Ecosystem Strategy Released (TWR #92, Water Briefs: Oct. 15, 2011)
- Trichloroethylene (TCE) Health Assessment Released - Integrated Risk Information System Database (TWR #92, Water Briefs: Oct. 15, 2011)
- Enforcement and Compliance History Online (ECHO): New Interactive Mapping Feature (TWR #92, Water Briefs: Oct. 15, 2011)
- Polluted Waters List: 303(d) List Submitted by California (TWR #93, Water Briefs: Nov. 15, 2011)
- Natural Gas Wastewater: Coalbed Methane & Shale Discharges - EPA Standards Development (TWR #93, Water Briefs: Nov. 15, 2011)
- CAFO(s) Report Proposal: Settlement Results in Operational Information Reports (TWR #93, Water Briefs: Nov. 15, 2011)
- Water Assessment - EPA Biological Assessment Document on Water Quality Management (TWR #94, Water Briefs: Dec. 15, 2011)
- Urban Water Quality: New EPA Planning Process - Prioritized Approach (TWR #94, Water Briefs: Dec. 15, 2011)
- CAL/EPA 2010 Enforcement Report Released in California (TWR #95, Water Briefs: Jan. 15, 2012)
- Fracking Pollution Causal Link Found in EPA Draft Report (Groundwater Contamination) (TWR #95, Water Briefs: Jan. 15, 2012)
- EPA Effluent Guidelines Program Plan Comment Period Extended (TWR #95, Water Briefs: Jan. 15, 2012)
- PCB TMDL Guidance Released by EPA (TWR #95, Water Briefs: Jan. 15, 2012)
- EPA Effluent Guidelines: Proposed Regulation of Shale Gas & Coalbed Methane Effluent by Campbell & Howe (TWR #96: Feb. 15, 2012)
- Discharge Monitoring Report (DMR) Pollutant Loading Tool: EPA Online Tool (TWR #96, Water Briefs: Feb. 15, 2012)
- Military MS4 Permit in Washington - Draft EPA Permit Includes LID (TWR #96, Water Briefs: Feb. 15, 2012)
- Planning for Sustainability: EPA Handbook for Water and Wastewater Utilities (TWR #96, Water Briefs: Feb. 15, 2012)
- GAO Study on "Produced Water" Released (Oil and Gas Production) (TWR #97, Water Briefs: March 15, 2012)
- CAFO Permit Technical Manual Released by EPA (TWR #97, Water Briefs: March 15, 2012)
- Stormwater Construction Runoff: EPA Issues New Permit (TWR #97, Water Briefs: March 15, 2012)

[Green Infrastructure: EPA's Updated Website - Research & Water Quality Assistance \(TWR #97, Water Briefs: March 15, 2012\)](#)

[Sackett v. EPA: U.S. Supreme Court Opens Door to Pre-Enforcement Review by Richard M. Glick \(TWR #98: April 15, 2012\)](#)

["Identifying and Protecting Healthy Watersheds: Concepts, Assessments, and Management Approaches" \(EPA Guidance\) \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Watershed Restoration Success: Nonpoint Sources Addressed - EPA Section 319 Program \(TWR #99, Water Briefs: May 15, 2012\)](#)

[USGS & EPA Launch Online Portal for Water Quality Information \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Pesticides & Water: EPA Human Health Benchmarks Table Update \(TWR #99, Water Briefs: May 15, 2012\)](#)

[CAFOs Permit Manual & Nutrient Management \(TWR #100, Water Briefs: June 15, 2012\)](#)

[Fracking Requirements by Interior: Disclosure & UIC Diesel Fuel Use \(Proposed Rules & Permitting Guidance\) \(TWR #100, Water Briefs: June 15, 2012\)](#)

[Blackfeet Tribe Granted Authority to Administer CWA Water Quality Standards Program \(TWR #100, Water Briefs: June 15, 2012\)](#)

[Green Infrastructure Permitting & Enforcement: EPA Fact Sheets Released for NPDES Programs \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Groundwater Cleanup at Superfund Site in Los Angeles: \\$6 Million Settlement \(Drinking Water Protection\) \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Integrated Municipal Stormwater and Wastewater Planning Approach Framework \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Combined Sewer Overflow \(CSO\) Control Plans: Post-Construction Compliance Guidance Issued by EPA \(TWR #101, Water Briefs: July 15, 2012\)](#)

[CAFO Reporting Rules: EPA Withdrawal and Revisions \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Groundwater Cleanup: Commingled Treatment System at California Superfund Site \(TWR #102, Water Briefs: August 15, 2012\)](#)

[US-Mexico Border Water Infrastructure Program's Annual Report for 2011 Issued by EPA \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Rain Barrels - Urban Waters Toolkit Available From EPA \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Water Quality Trading-"In It Together: A How-To Reference for Building Point-Nonpoint Water Quality Trading Programs by Cochran, Maness & Lindley \(TWR #103: Sept. 15, 2012\)](#)

[Upcoming EPA Drinking Water Proposals by J. Alan Roberson, P.E. \(TWR #103: Sept. 15, 2012\)](#)

[Bay Delta Action Plan Released by EPA \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[Water Reuse Guidelines - EPA Releases 2012 Update \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Health of Waterways: EPA Releases New Web App \(*How's My Waterway* app and website\) \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[Guidelines for Water Reuse \(2012\) Released by EPA \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[New EPA Stormwater Rules Issued on Logging Roads Runoff Just Before Supreme Court Argument \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Nonpoint Source Guidelines & Grants Released by EPA for States & Territories \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Perchlorate Site Cleanup & Groundwater Investigation by EPA in California \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

["National Water Program 2012 Strategy: Response to Climate Change" Released by EPA \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Orphan Mine Sites: "Good Samaritans" Liability Clarified to Encourage Cleanup \(TWR #107, Water Briefs: January 15, 2013\)](#)

[EPA Fracking Study Update Released: Review & Comment \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Pathogens Rule Update by EPA: Limit for E. Coli \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Climate Resilience Evaluation and Awareness Tool \(CREAT\) - EPA Update Available \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Green Infrastructure Factsheets on Permitting & Enforcement Released by EPA - NPDES Wet Weather Programs \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Uranium Decontamination Cleanup: EPA Five-Year Plan Report on Progress \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Extreme Events Workshop Planner - EPA's Climate Ready Water Utilities Initiative \(TWR #109, Water Briefs: March 15, 2013\)](#)

[Total Coliform Rule - EPA Revisions \(TWR #109, Water Briefs: March 15, 2013\)](#)

[Hydraulic Fracturing & Water: Considering the Water Resources Impacts of Hydraulic Fracturing by Adam Orford \(TWR #110: April 15, 2013\)](#)

[2008-2009 National Rivers and Stream Assessment - EPA Stream Survey \(TWR #110, Water Briefs: April 15, 2013\)](#)

[US-Mexico Border Water Infrastructure Program 2012 Annual Report - Released by EPA \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Cleanup Settlement at Goodrich Superfund Site in California \(EPA\): TCA & Perchlorate \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Keystone XL Pipeline - EPA Raises Objections \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Oil Spill Fine & EPA Enforcement of Clean Water Act: Spill Within Tribal Boundaries \(TWR #111, Water Briefs: May 15, 2013\)](#)

[EPA Reaches Agreement With ADOT to Improve Stormwater Management \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Mountain-Top Mining: EPA Post-Permit Veto Authority Upheld \(TWR #111, Water Briefs: May 15, 2013\)](#)

[EPA Proposing to Amend Effluent Limitations Guidelines & Standards for Steam Electric Power Generating \(TWR #111, Water Briefs: May 15, 2013\)](#)

[EPA's Drinking Water Infrastructure Needs Survey and Assessment - \\$384 Billion Infrastructure Needs \(TWR #113, Water Briefs: July 15, 2013\)](#)

[Endocrine Disruptors: EPA Public Review of Information Collection Request \(TWR #113, Water Briefs: July 15, 2013\)](#)

[Safe Drinking Water Act Fine - Injection Well Violations in Colorado \(TWR #114, Water Briefs: August 15, 2013\)](#)

[EPA Funding for Small Water & Wastewater Systems: Training & Technical Assistance Grants \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Oregon's Temperature Criteria Standards Rejected by EPA \(TWR #114, Water Briefs: August 15, 2013\)](#)

[National Stormwater Calculator Released by EPA \(TWR #114, Water Briefs: August 15, 2013\)](#)

[California's Freshwater Nutrient Numeric Endpoint \(NNE\) Approach: Re-evaluating the Santa Margarita River Case Study by Thomas, Gindlesperger & Barnard \(TWR #115: Sept. 15, 2013\)](#)

[Safe Drinking Water Enforcement by EPA on Southern Ute Reservation in Colorado: Underground Injection Control \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Drinking Water Supply in Arizona: BIA Violations & Settlement with EPA \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Numeric Nutrients: EPA Toolkit for Criteria Released \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Proposed Reissuance of NPDES General Permit for Stormwater Discharges From Industrial Activities \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Water Quality Trading: USDA - EPA Partnership Expanded \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

["Importance of Water" Report Released by EPA \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[TMDLs: Long-Term Vision for Assessment, Restoration, and Protection Under CWA Section 303\(d\) \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Oregon's Coastal Nonpoint Pollution Control Program - EPA & NOAA Disapproval Process Begins \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[EPA Enforcement & Compliance Report Issued for 2013 \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[National Stormwater Calculator and Climate Assessment Tool - Phase II Released by EPA \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Riparian Restoration in Wyoming: Coordinated Resource Management - Livestock Grazing Practices \(TWR #121, Water Briefs: March 15, 2014\)](#)

[Fracking Guidance Released by EPA: Underground Injection Control & Diesel Fuels \(TWR #121, Water Briefs: March 15, 2014\)](#)

[Nutrient Pollution - EPA Research Grants \(TWR #121, Water Briefs: March 15, 2014\)](#)

[Clean Water Act Jurisdiction - Proposed Rule Released \(TWR #122, Water Briefs: April 15, 2014\)](#)

[Stormwater Final Rule Published by EPA: Construction & Development \(TWR #122, Water Briefs: April 15, 2014\)](#)

[EPA Released Enhanced Version of *"How's My Waterway"* App & Website \(TWR #123, Water Briefs: May 15, 2014\)](#)

[California's New Industrial Storm Water Permit by Wendy L. Manley, Wendel Rosen Black & Dean, LLP \(TWR #124: June 15, 2014\)](#)

[Cooling Water Intakes: EPA Standards Finalized \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Illegal Sewage Dump Results in Prison Time and Fine in Washington \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Human Health Water Quality Criteria Updated by EPA \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Fracking Disclosure: EPA's Advanced Notice of Proposed Rulemaking \(TWR #124, Water Briefs: June 15, 2014\)](#)

[PCB Contamination: Record Civil Penalty Announced by EPA in Nevada \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Northwest Water Quality Trading: Joint Recommendations in the Pacific Northwest by Sanneman, Cochran, Culliney, Furia, Power & Wigington](#)

(TWR #125: July 15, 2014)

Pesticides & Salmon: Buffer Zones Agreement Reached with EPA (TWR #125, Water Briefs: July 15, 2014)

WaterSense 2013 Report Released (TWR #125, Water Briefs: July 15, 2014)

Rivers and Carbon - USGS Study (TWR #125, Water Briefs: July 15, 2014)

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

Mining & Fisheries: EPA Proposal for Bristol Bay, Alaska (TWR #126, Water Briefs: Aug. 15, 2014)

Dam Pollution Settlement: Oil Leakage at Columbia & Snake River Dams and the Clean Water Act (TWR #126, Water Briefs: Aug. 15, 2014)

GAO Oil & Gas Report: Underground Injection Control Recommendations for EPA's Oversight (TWR #126, Water Briefs: Aug. 15, 2014)

Drinking Water: EPA Funds Two Innovation Centers (TWR #127, Water Briefs: Sept. 15, 2014)

Pesticide Stream Buffers Finalized: Settlement Agreement with EPA (TWR #127, Water Briefs: Sept. 15, 2014)

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations (Congressional Research Service) by Claudia Copeland (TWR #128, Oct. 15, 2014)

Tribal Settlement Concerning Drinking & Wastewater Systems Entered by The Omaha Tribe of Nebraska (TWR #128, Water Briefs, Oct. 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmén (TWR #129: Nov. 15, 2014)

2015 Five Star/Urban Waters Restoration Program: EPA Grant Program RFP (TWR #129: Water Briefs, Nov. 15, 2014)

Strontium Regulation: EPA Preliminary Determination (TWR #129: Water Briefs, Nov. 15, 2014)

Green Infrastructure: National "Collaborative" - EPA & White House Council on Environmental Quality (TWR #129: Water Briefs, Nov. 15, 2014)

Duwamish Cleanup: Superfund Final Plan in Seattle Waterway (TWR #130: Water Briefs, Dec. 15, 2014)

Water Utilities Training & Technical Assistance From EPA - Climate Change Resilience & Readiness (TWR #130: Water Briefs, Dec. 15, 2014)

Drinking Water & Watershed Goals: CWA Toolkit for Water Managers Available (TWR #130: Water Briefs, Dec. 15, 2014)

Fracking Settlement-Fill Material Discharges: Civil Penalty and Restoration in Clean Water Act Case (TWR #131: Water Briefs, Jan. 15, 2015)

The Impacts of EPA's Clean Power Plan on Electricity Generation and Water Use in Texas (TWR #131: Water Briefs, Jan. 15, 2015)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

EPA Settlement-Uranium Contamination Finalized: \$5.15 Billion From Handiwork and Kerr-McGee (TWR #132, Water Briefs: Feb. 15, 2015)

Recreational Criteria for Water Quality Standards: Overview & Technical Support by EPA (TWR #132, Water Briefs: Feb. 15, 2015)

- Water Financing: New EPA Build America Investment Initiative (TWR #132, Water Briefs: Feb. 15, 2015)
- Green Infrastructure: EPA Financing & Planning Guidance-Incorporating Stormwater Management Plans (TWR #132, Water Briefs: Feb. 15, 2015)
- Green Infrastructure: New EPA Presentation & UC Berkeley Report (TWR #133, Water Briefs: March 15, 2015)
- Incident Action Checklists: Emergency Checklists for Utilities Prepared by EPA (TWR #133, Water Briefs: March 15, 2015)
- Nutrient Reduction Strategies Devised by Hypoxia Task Force-Gulf States (TWR #133, Water Briefs: March 15, 2015)
- EPA Enforcement & Compliance Report for 2014 (TWR #133, Water Briefs: March 15, 2015)
- Safe Drinking Water Act Dashboard - Website Compliance Tracking System Announced by EPA (TWR #135, Water Briefs: May 15, 2015)
- Clean Water Act Rule Finalized: CWA Jurisdiction (TWR #136, Water Briefs: June 15, 2015)
- Algal Toxins: EPA Issues Health Advisory Values (TWR #136, Water Briefs: June 15, 2015)
- Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)
- Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)
- Mining Violations & Clean Water Act Settlement in Idaho (TWR #137, Water Briefs: July 15, 2015)
- EPA Fracking Study "Draft Assessment" Released (TWR #137, Water Briefs: July 15, 2015)
- Fracking Meetings Announced for September & October (TWR #137, Water Briefs: July 15, 2015)
- Wastewater Discharge Fine in New Mexico: Proposed Penalties for CWA Violations (TWR #137, Water Briefs: July 15, 2015)
- Underground Storage Tank Requirements Strengthened by EPA to Prevent Groundwater Contamination (TWR #137, Water Briefs: July 15, 2015)
- Tribal CWA Authorization for Pueblo of Santa Ana in New Mexico (TWR #138, Water Briefs: August 15, 2015)
- Cooling Water Intake Website Redesigned by EPA (TWR #138, Water Briefs: August 15, 2015)
- "Waters of the US" Definition: Preliminary Injunction Stops Application of New EPA/Army Corps Rule by David Moon (TWR #139, Sept. 15, 2015)
- Fish Consumption Rate in Washington: EPA Proposes Human Health Criteria Rule (TWR #139, Water Briefs: Sept. 15, 2015)
- Sediment Cleanup in Seattle: Penalties Issued for Violations of Cleanup Agreement (TWR #139, Water Briefs: Sept. 15, 2015)
- Treatment as a State: Tribal Water Quality Authority Proposal for Streamlining (TWR #139, Water Briefs: Sept. 15, 2015)
- EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley (TWR #140: Oct. 15, 2015)
- Phase II MS4 Revision: Settlement Requires EPA to Revise Phase II MS4 Permit & Review Forest Road Runoff Regulation (TWR #140, Water Briefs: Oct. 15, 2015)
- Green Infrastructure: EPA Launches Green Infrastructure Wizard" (TWR #140, Water Briefs: Oct. 15, 2015)

[Roundup/Glyphosate Classified "Carcinogenic" by California's EPA \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Steam Electric Plants Toxic Pollutants Discharges: Rule Finalized by EPA \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[EPA's "Managing Water Quality in the Face of Uncertainty" Report & "Addressing Climate Change in the Water Sector" Website \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Nutrient Recycling: EPA's Livestock Waste Competition \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Forest Roads: EPA Considers Stormwater Discharge Requirements \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Harmful Algal Blooms: EPA Releases Strategic Plan of Drinking Water \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Herbicide Disapproval: EPA Seeks Revocation of Enlist Duo \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Infrastructure Funds: EPA Newsletter & Website \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon \(TWR #143: January 15, 2016\)](#)

[EPA Enforcement and Compliance Report for 2015 Released \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Clean Watersheds Needs Survey Released by EPA \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Office of Inspector General's Report on EPA's Actions & Decision on Alaska's Bristol Bay Watershed \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Proposed Rule on Regulatory Procedures for Tribes to Obtain TAS for Impaired Water Listing & TMDL Program \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[EPA Enforcement: Seven National Enforcement Initiatives Announced for 2017-2019 \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Sewer Overflows and Stormwater Violations in Kansas: EPA Settlement with City \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Infrastructure: Innovative & Multipurpose Financing Frameworks Developed by Stanford's Water in the West \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Fracking & Drinking Water Sources: Stanford Researchers Show Fracking's Impact to Drinking Water Sources by Rob Jordan \(TWR #146: April 15, 2016\)](#)

[Stormwater Regs: New Construction General Permit for NPDES Permits Proposed by EPA \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Reuse & Conservation: EPA Research Funding Announced \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Oil & Gas Lawsuit: EPA Sued Regarding Regulations on Drilling & Fracking Wastes \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Water Quality Standards Development: EPA Recommendations for Priority Actions for States & Tribes \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher \(TWR #148: June 15, 2016\)](#)

[Stock Pond Permit Settlement: EPA & Landowners Settle Clean Water Act Lawsuit \(TWR #148, Water Briefs: June 15, 2016\)](#)

Tribal Fishing Rights Lead to Coal Terminal Rejection by the Corps of Engineers (TWR #148, Water Briefs: June 15, 2016)

ENVIRONMENTAL RESOURCES:

Prioritizing Management & Protection of the Colorado River's Environmental Resources - Colorado River Research Group (TWR #145, Water Briefs: March 15, 2016)

ENVIRONMENTAL REVIEW (EIS):

Hanford Settlement Between US and Washington: Groundwater Analysis and Environmental Review (TWR #24, Water Briefs: February 15, 2006)

The Colorado River: New Operational Guidelines for Lake Powell and Lake Mead by Fulp, Yoder & Blatchford (TWR #33: Nov. 15, 2006)

Crude Oil-By-Rail & the Endangered Species Act: Coming Soon to Train Tracks Near You? by Kristen L. Boyles (TWR #136: June 15, 2015)

"ENVIRONMENTAL RIGHT" (Tribal):

Treaty Tribes & Hatcheries by Alan C. Stay (TWR #99: May 15, 2012)

"ENVIRONMENTAL RIGHTS":

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

Recommendations for Improving Water Transfers and Access to Water Markets in California (TWR #148, Water Briefs: June 15, 2016)

ENVIRONMENTAL RISKS:

Environmental Health Risk Data: EPA Website Launched (TWR #74, Water Briefs: April 15, 2010)

ENVIRONMENTAL STANDARD (Impact):

Las Vegas Water Rights Decision - Judge Overturns State Engineer Approvals by David Moon (TWR #119: Jan. 15, 2014)

ENVIRONMENTAL USE:

Recommendations for Improving Water Transfers and Access to Water Markets in California (TWR #148, Water Briefs: June 15, 2016)

EQUAL PROTECTION (see also DUE PROCESS):

Texas Takings Case: Procedural Rulings - Claims Dismissed (TWR #137, Water Briefs: July 15, 2015)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

EQUITABLE APPORTIONMENT (see also COMPACTS):

Las Vegas Water: Governor Releases Utah Water Lawyers' Report on the Snake Valley Water Agreement (TWR #105, Water Briefs: Nov. 15, 2012)

Interstate Water Compacts: The US Supreme Court's *Tarrant* Decision and the Risk of Silence by Steven Richardson (TWR #116: Oct. 15, 2013)

Rio Grande Compact - Lawsuit Between Texas & New Mexico: U.S. Solicitor General's Brief Filed (TWR #119, Water Briefs: Jan. 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Interstate Water Dispute: Florida v. Georgia in the Supreme Court (TWR #130: Water Briefs, Dec. 15, 2014)

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

EQUITABLE DEFENSES:

Tribal Groundwater Case: Water Districts' Equitable Defenses Denied (TWR #145, Water Briefs: March 15, 2016)

EQUITABLE POWERS or EQUITY:

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

EROSION:

2008-2009 National Rivers and Stream Assessment - EPA Stream Survey (TWR #110, Water Briefs: April 15, 2013)

Oregon's Coastal Nonpoint Pollution Control Program - EPA & NOAA Disapproval Process Begins (TWR #119, Water Briefs: Jan. 15, 2014)

Riparian Restoration in Wyoming: Coordinated Resource Management - Livestock Grazing Practices (TWR #121, Water Briefs: March 15, 2014)

[Intergovernmental Panel on Climate Change \(IPCC\) 5th Synthesis Report \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding \(TWR #140: Oct. 15, 2015\)](#)

[AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein \(TWR #146: April 15, 2016\)](#)

ESPAM Model:

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

ESTUARY or ESTUARIES:

[Estuaries Restoration - NOAA Inventory Released \(TWR #5, Water Briefs: July 15, 2004\)](#)

[Instream Flow Decision: Nonprofit Applications Upheld in Texas \(TWR #25, Water Briefs: March 15, 2006\)](#)

[Gulf Coast Restoration: EPA Ecosystem Strategy Released \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Dam Removal Impacts Study on Elwha River Sediment Release \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Environmental Flows: TCEQ Approves New Permit Rules for Several Rivers and Bays \(Surface Water\) \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[Bay Delta Action Plan Released by EPA \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi \(TWR #104: Oct. 15, 2012\)](#)

[Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre \(TWR #114: August 15, 2013\)](#)

[Green Infrastructure: EPA Financing & Planning Guidance-Incorporating Stormwater Management Plans \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[State of the Sound Report Released in Washington \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Santa Monica Bay: 2015 State of the Bay Report Released \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

EVAPORATION or EVAPORATIVE LOSS:

[The Republican River Compact: Conflict & Arbitration by Justin D. Lavene and Marcus A. Powers \(TWR #68: Oct. 15, 2009\)](#)

[Evapotranspiration Mapping - Idaho Innovation Receives Award \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Republican River Special Master's Report Issued: *Kansas v. Nebraska and Colorado* \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Interstate Water Dispute: Florida v. Georgia in the Supreme Court \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Water Banking & Storage Agreement Between SNWA and MWD Supplements California Supplies During Drought \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Reservoir Evaporation Losses in the West Studied \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Floating Solar Program in Japan: Benefits of Floating Plants \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

EVAPOTRANSPIRATION:

[Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

EVIDENCE (see also BURDEN OF PROOF):

[Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz \(TWR #134: April 15, 2015\)](#)

EXCEEDANCE RESPONSE ACTION:

[California's New Industrial Storm Water Permit by Wendy L. Manley, Wendel Rosen Black & Dean, LLP \(TWR #124: June 15, 2014\)](#)

EXCEEDENCE FLOWS (EXCEEDANCE STANDARDS):

[Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors \(TWR #124: June 15, 2014\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

"EXCESS WATER":

[Acquavella Update: Washington's 36-Year Old Water Rights Adjudication Nears An End by Jeff Kray \(TWR #115: Sept. 15, 2013\)](#)

[Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson \(TWR #117, Nov. 15, 2013\)](#)

[EXCHANGE of Water \(Alternative Sources of Water\):](#)

[Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses](#) by Drew Beckwith (TWR #93: Nov. 15, 2011)

[Northwest Water Banking: Meeting Instream and Out of Stream Water Needs in the Pacific Northwest](#) by Cronin & Fowler (TWR #102: August 15, 2012)

[Reclamation Announces Actions & Strategies to Improve Water Supplies for California's Central Valley Project](#) (TWR #111, Water Briefs: May 15, 2013)

[The Southern Delivery System - Getting to the Finish Line: Planning, Permitting & Constructing](#) by John A. Fredell (TWR #113: July 15, 2013)

[Transbasin Water Exchanges in Colorado: "Lawn Irrigation Return Flows" \(LIRFs\)](#) (TWR #115, Water Briefs: Sept. 15, 2013)

[Groundwater/Surface Water Exchange Agreement Signed: Reclamation & Irrigation District](#) (TWR #116, Water Briefs: Oct. 15, 2013)

["Conserved Water" Statute in Oregon: Change in Use from Irrigation to Instream Flow Approved \(Canal Lining\)](#) (TWR #116, Water Briefs: Oct. 15, 2013)

[Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin](#) by Moon (TWR #118, Dec. 15, 2013)

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US](#) by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

[Watershed Planning Implementation and Flow Achievement: Washington Grant Cycle](#) (TWR #133, Water Briefs: March 15, 2015)

[Water Transfers Program by Reclamation Proposed for Voluntary Water Transfers in California](#) (TWR #135, Water Briefs: May 15, 2015)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change?](#) by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

[Colorado Water Markets: "Alternative Transfer Mechanisms"](#) by P. Andrew Jones (TWR #138, August 15, 2015)

[Flow Restoration During Severe Drought: Washington Enters Uncharted Territory](#) by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

[Drought Resiliency - Projects Selected by Reclamation](#) (TWR #139, Water Briefs: Sept. 15, 2015)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho](#) by Christopher Meyer (TWR #142: Dec. 15, 2015)

[Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River](#) by Jacque Klug (TWR #143: January 15, 2016)

[Truckee River Operating Agreement Begins: Interstate Allocations](#) (TWR #143, Water Briefs: Jan. 15, 2016)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona](#) by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

[AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness](#) by Martinsson & Gutwein (TWR #146: April 15, 2016)

"EXEMPT" WELLS:

Washington Water Regulation: New Department of Ecology Director Jay Manning, Interview by David C. Moon, Editor (TWR #23, Jan. 15, 2006)

Western States Water Update: Western States Water Council Meets in Montana by David C. Moon (TWR #44, Oct. 15, 2007)

Exempt Wells in Washington: Interim Management Limitations and Groundwater Study (TWR #46, Water Briefs: December 15, 2007)

Domestic Wells in New Mexico: Senior Water Rights Protected in Court Decision (TWR #54, Water Briefs: August 15, 2008)

Groundwater and Water Availability: Colorado Decision on Exempt Wells and the No Injury Rule (TWR #59, Water Briefs: Jan. 15, 2009)

Ground Water Availability & The No Injury Rule: Domestic Well Owners Protected in Colorado by David Moon (TWR #60: Feb. 15, 2009)

Groundwater Wells Exempt Use Report Released by Oregon Water Resources Department (TWR #60, Water Briefs: Feb. 15, 2009)

"Unquenchable: America's Water Crisis and What to Do About It" - Interview with Author Robert Glennon by Moon (TWR #64: June 15, 2009)

Exempt Wells Closure: Groundwater Clarification in Washington (TWR #66, Water Briefs: August 15, 2009)

Exempt Groundwater: New Recording Rules in Oregon (TWR #66, Water Briefs: August 15, 2009)

Ecology Establishes Water Exchange for Exempt Wells Mitigation (TWR #67, Water Briefs: Sept. 15, 2009)

Exempt Wells: Washington Attorney General's Opinion Issued (TWR #68, Water Briefs: Oct. 15, 2009)

Exempt Wells Petition Filed: Ranchers' Water Rights Threatened (TWR #70, Water Briefs: Dec. 15, 2009)

Unsustainable Stockwater Exemptions: Washington Experience Illustrates Exempt Well Contentions by Rachael Paschal Osborn (TWR #71: Jan. 15, 2010)

Groundwater Mitigation in Washington: Bank for New Groundwater Rights (TWR #71, Water Briefs: Jan. 15, 2010)

Montana Reports Released on Coalbed Methane and Exempt Wells (TWR #72, Water Briefs: Feb. 15, 2010)

Exempt Wells in the West: Complications & Compromises by Nathan Bracken (TWR #74, April 15, 2010)

Exempt Wells Hearing in Montana: Water Right Appropriation Rules (TWR #74, Water Briefs: April 15, 2010)

Exempt Wells Decision in Washington: Feedlot Use Exempted Without Volume Restriction (TWR #75, Water Briefs: May 15, 2010)

Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill (TWR #76: June 15, 2010)

Exempt Wells Decision in Washington (Stockwater) - Correction (TWR #76, Water Briefs: June 15, 2010)

Exempt Well Decision in South Dakota: Domestic v. Commercial Use (Tribal Opposition) (TWR #78, Water Briefs: Aug. 15, 2010)

Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak (TWR #81: November 15, 2010)

[Exempt Well Ruling in Montana: Rulemaking to Follow \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Exempt Wells Ruling Reversed in New Mexico \(Bounds Decision\) \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Exempt Well Lawsuit Settlement: New State Rules in Montana Forthcoming \(TWR #82, Water Briefs: Dec. 15, 2010\)](#)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[Tribal Protection: Exempt Wells Moratorium in Washington \(TWR #88, Water Briefs: June 15, 2011\)](#)

[Exempt Wells Decision & Land Use Ruling in Washington: Developers Misuse of Exemption \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Exempt Well Decision in Washington: Stockwater Exemption Unlimited \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[Local Land Use Decisions & Water Supply Considerations: New Rules from the Washington Supreme Court by Dave Monthie \(TWR #102: August 15, 2012\)](#)

[Northwest Water Banking: Meeting Instream and Out of Stream Water Needs in the Pacific Northwest by Cronin & Fowler \(TWR #102: August 15, 2012\)](#)

[Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre \(TWR #114: August 15, 2013\)](#)

[New Mexico's Exempt Wells Decision & Protection for Senior Water Users by David Moon \(TWR #114: August 15, 2013\)](#)

[Instream Flows Decision in Washington: Protection from Impairment - Reserved Use Rule \(Reservation\) Invalid by David Moon \(TWR #116: Oct. 15, 2013\)](#)

[Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson \(TWR #117, Nov. 15, 2013\)](#)

[Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon \(TWR #118, Dec. 15, 2013\)](#)

[Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors \(TWR #124: June 15, 2014\)](#)

[Instream Rules in Washington: Repeal Denied for Skagit River/New Rule for Spokane River \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[New Groundwater Guidance: "Focus on New Groundwater Uses: The Groundwater Permit Exemption" \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon \(TWR #141: Nov. 15, 2015\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

EXISTING RIGHTS:

California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem (TWR #135: May 15, 2015)

"EXPECTANCY" DAMAGES:

Federal Breach of Contract: Reclamation Loses Appeal on Breach of Contract Claim by David Moon (TWR #127: Sept. 15, 2014)

EXPERIMENTAL POPULATION DESIGNATION:

ESA Experimental Population: NMFS' First Proposed Designation a Win-Win for Water Users and Steelhead by Filippi & Maag (TWR #89: July 15, 2011)

ESA Experimental Population: ESA Fish Designation Proposed in Washington (TWR #90, Water Briefs: August 15, 2011)

EXPERT WITNESSES or EXPERTS:

Colorado Water Law Decision (TWR #12, Water Briefs: Feb. 15, 2005)

Groundwater and Water Availability: Colorado Decision on Exempt Wells and the No Injury Rule (TWR #59, Water Briefs: Jan. 15, 2009)

Ground Water Availability & The No Injury Rule: Domestic Well Owners Protected in Colorado by David Moon (TWR #60: Feb. 15, 2009)

Water Court Rules Revised in Colorado: Expert Witness Rules (TWR #61, Water Briefs: March 15, 2009)

The Republican River Compact: Conflict & Arbitration by Justin D. Lavene and Marcus A. Powers (TWR #68: Oct. 15, 2009)

Snake River Basin Adjudication: Lessons Learned by Eric J. Wildman (TWR #68: Oct. 15, 2009)

Whooping Crane ESA Case: Fifth Circuit Refuses to Reconsider ESA "Take" Challenge by David Moon (TWR #131: Jan. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

EXPORT RESTRICTIONS (see also TRANSFERS):

Interstate Water Allocation by Christopher H. Meyer, Givens Pursley LLP (Boise, Idaho) (TWR #42: August 15, 2007)

Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt (TWR #72: Feb. 15, 2010)

Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill (TWR #76: June 15, 2010)

Delta Decisions: Salmon & Smelt Court Rulings in California (TWR #76, Water Briefs: June 15, 2010)

Coalbed Methane Produced Groundwater: A Survey of Western Water Law Regulation by Sarah A. Klahn & Jack Tuholske (TWR #77: July 15, 2010)

Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma (Sardis Reservoir) by Greetham (TWR #82: Dec. 15, 2010)

Water Rights & Regulatory Authority Issues: Chickasaw & Choctaw Nations File Lawsuit Opposing Water Transfer by David Moon (TWR #91: Sept. 15, 2011)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

EXPOSED POPULATION:

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

EXTENSIONS of RIGHTS:

Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith (TWR #133: March 15, 2015)

Rio Grande Lawsuit: WildEarth Guardians Seek Historical Beneficial Use Accounting for Water Rights (TWR #146, Water Briefs: April 15, 2016)

EXTERNALITIES:

Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer (TWR #127: Sept. 15, 2014)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

EXTERNALIZED COSTS:

Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer (TWR #127: Sept. 15, 2014)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

"EXTINCTION" BY REUSE OF WATER:

The Southern Delivery System - Getting to the Finish Line: Planning, Permitting & Constructing by John A. Fredell (TWR #113: July 15, 2013)

"EXTRA DUTY" LANDS:

CSKT Water Rights Compact Unratified: Montana Legislature Refuses to Ratify Confederated Salish and Kootenai Tribes Compact by Weiner & Stermitz (TWR #114: August 15, 2013)

EXTREME WEATHER:

"Water/Wastewater Utilities and Extreme Climate and Weather Events" - Report Released (TWR #126, Water Briefs: Aug. 15, 2014)

Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer (TWR #127: Sept. 15, 2014)

Intergovernmental Panel on Climate Change (IPCC) 5th Synthesis Report (TWR #130: Water Briefs, Dec. 15, 2014)

Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly (TWR #131: Jan. 15, 2015)

FACILITY ANALYSIS:

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

FACTUAL FINDING:

Drought Enforcement in California - Dismissals Proposed Due to Failure to Prove Water Not Available (TWR #148, Water Briefs: June 15, 2016)

FAILURE TO CONSULT:

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

FAILURE TO REPORT:

Mining Violations & Clean Water Act Settlement in Idaho (TWR #137, Water Briefs: July 15, 2015)

FALLOWING LAND:

Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses by Drew Beckwith (TWR #93: Nov. 15, 2011)

Water Transfers in the West by Carlee Brown (TWR #107: January 15, 2013)

California's Water Market, By the Numbers, Update 2012 (TWR #107, Water Briefs: January 15, 2013)

Colorado's Water Plan by Jayla Ryan Poppleton (TWR #123: May 15, 2014)

Water Transfers Program by Reclamation Proposed for Voluntary Water Transfers in California (TWR #135, Water Briefs: May 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones (TWR #138, August 15, 2015)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Improving the Federal Response to Drought: Five Areas for Reform - PPIC Water Policy Center Report (TWR #144, Water Briefs: Feb. 15, 2016)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

FALLOWING-LEASING:

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

FALSE SUBSIDIES:

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

"FATAL-FLAW":

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

FECAL COLIFORM:

Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheaume (TWR #139, Sept. 15, 2015)

FEDERAL FARM PROGRAM:

[Improving the Federal Response to Drought: Five Areas for Reform - PPIC Water Policy Center Report \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

FEDERAL INSECTICIDE, FUNGICIDE & RODENTICIDE ACT (FIFRA):

[WALMART Pleads Guilty to CWA, FIFRA, & RCRA Violations \(TWR #112, Water Briefs: June 15, 2013\)](#)

[Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations \(Congressional Research Service\) by Claudia Copeland \(TWR #128, Oct. 15, 2014\)](#)

[West Coast ESA Challenges: The View from NOAA Fisheries \(Regional Administrator William Steele's Presentation\) by David Light \(TWR #133: March 15, 2015\)](#)

FEDERAL INVESTMENTS:

[Water Investments: Principles, Requirements & Guidelines for Federal investments Released \(TWR #131: Water Briefs, Jan. 15, 2015\)](#)

FEDERALISM:

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

FEDERAL LAND ISSUES:

[Easements On and Over Federal Lands by Daniel H. Israel \(TWR #8: Oct. 15, 2004\)](#)

[Canal Easement - Federal Lawsuit in Oregon \(TWR #10, Water Briefs: Dec. 15, 2004\)](#)

[Rights-of-Way Across Federal Lands: Easement Decision by 9th Circuit by David C. Moon \(TWR #30: August 15, 2006\)](#)

[National Forest Activities: Gold Mining Decision Has Wide Implications by David Moon \(TWR #34: December 15, 2006\)](#)

[Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs \(TWR #36, February 15, 2007\)](#)

[Water Delivery - Canals, Ditches and Pipelines: The Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton \(TWR #41: July 15, 2007\)](#)

[EPA Stormwater Guidance for Federal Agencies \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Water Rights & Grazing Activities on BLM Land: Decision Overturns Bush Administration Regulations \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[Irrigation Diversions & ESA Impacts on Federal Lands \(BiOp Finds Jeopardy & Requires Minimum Flows\) \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Treaty Tribes & Hatcheries by Alan C. Stay \(TWR #99: May 15, 2012\)](#)

[State Trust Lands Decision by Arizona Supreme Court - No Federal Reserved Rights \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Fracking Rule for Public & Indian Lands Proposed by Interior \(TWR #112, Water Briefs: June 15, 2013\)](#)

[USFS Direction for Groundwater Resources in Forests & Grasslands & Governors' Concerns \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

FEDERAL NEXUS:

[Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols \(TWR #128, Oct. 15, 2014\)](#)

[Improving the Federal Response to Drought: Five Areas for Reform - PPIC Water Policy Center Report \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

FEDERAL POWER ACT (see also FERC):

[Federal Power Act Preempts Damage Claims Under State Tort Law - Fifth Circuit Ruling \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

FEDERAL RESPONSE:

[Improving the Federal Response to Drought: Five Areas for Reform - PPIC Water Policy Center Report \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

FEDERAL WATER MASTER:

[Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson \(TWR #117, Nov. 15, 2013\)](#)

[Republican River Special Master's Report Issued: *Kansas v. Nebraska and Colorado* \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon \(TWR #133: March 15, 2015\)](#)

FEDERAL WATER RIGHTS & FEDERAL RESERVED WATER RIGHTS (see also [Reserved Rights](#), [Tribal Water Rights](#), and [Adjudications](#)):

[Colorado McCarran Amendment Ruling by David C. Moon \(TWR #10: Dec. 15, 2004\)](#)

[Southwest Water Decisions: Arizona Water Settlements Act, Indian Reserved Rights, Adjudications by McGinnis & Alberts \(TWR #20: October 15, 2005\)](#)

[Tribal Water Rights Update: John Echohawk - Indian Water Law Elder by David C. Moon, Editor \(TWR #23, Jan. 15, 2006\)](#)

[Former Decree Precludes San Carlos Apache Tribe's Claims in Gila Adjudication in Arizona \(TWR #26, Water Briefs: April 15, 2006\)](#)

[Untapping Tribal Waters: Tribal Water Marketing Expanding by Clay J. Landry and Christina Quinn \(TWR #35: January 15, 2007\)](#)

[Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs \(TWR #36, February 15, 2007\)](#)

[Klamath Dams - Agency Fish Passage Mandates Finalized \(TWR #36, Water Briefs: February 15, 2007\)](#)

[California Water Rights Fees: Regulations Overturned by Kristin Castaños, Somach, Simmons & Dunn \(TWR #38: April 15, 2007\)](#)

[Tribal Water Rights Decision: Unquantified Reserved Rights & State Regulation by David Moon \(TWR #39: May 15, 2007\)](#)

[Water Delivery - Canals, Ditches and Pipelines: The Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton \(TWR #41: July 15, 2007\)](#)

[Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell \(TWR #56: October 15, 2008\)](#)

[Klamath Settlement Agreements: Part II by Glen Spain \(TWR #71: Jan. 15, 2010\)](#)

[Tribal Water Rights: Current Issues & Relevant Background by Robert T. Anderson \(TWR #77: July 15, 2010\)](#)

[Water Rights & Grazing Activities on BLM Land: Decision Overturns Bush Administration Regulations \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie \(TWR #89: July 15, 2011\)](#)

[Negotiating Indian Water Rights Claims: 12th Biennial Symposium on the Settlement of Indian Reserved Water Rights by Killoren \(TWR #95: Jan. 15, 2012\)](#)

[Oklahoma Adjudication Removed to Federal Court \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Treaty Tribes & Hatcheries by Alan C. Stay \(TWR #99: May 15, 2012\)](#)

[Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson \(TWR #117, Nov. 15, 2013\)](#)

[Arizona Groundwater Use Decision: Groundwater Plan for Development Project Rejected by David Moon \(TWR #125: July 15, 2014\)](#)

[Colorado River Basin Studies Released: Tribal Non-Consumptive Water Uses and Research Needs in the Basin \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz \(TWR #134: April 15, 2015\)](#)

[The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon \(TWR #134: April 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

FEDERAL WATER POLICY:

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

FREE LAND IRRIGATORS:

CSKT Water Rights Compact Unratified: Montana Legislature Refuses to Ratify Confederated Salish and Kootenai Tribes Compact by Weiner & Stermitz (TWR #114: August 15, 2013)

FEES:

Montana Adjudication Legislation: Fee Bill (TWR #15, Water Briefs: May 15, 2005)

Municipal Water Rights in New Mexico: Various Approaches and Development Impacts by James Brockmann (TWR #31; September 15, 2006)

Phoenix Water Planning: Water Resources Plan - The 2005 Update by Tom Buschatzke (TWR #32: October 15, 2006)

Water Rights Fees Overturned in California Court Decision (TWR #36, Water Briefs: February 15, 2007)

California Water Rights Fees: Regulations Overturned by Kristin Castaños (TWR #38: April 15, 2007)

NPDES Fees: EPA Incentives Program (TWR #55, Water Briefs: September 15, 2008)

California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon (TWR #128, Oct. 15, 2014)

FEMA (FEDERAL EMERGENCY MANAGEMENT AGENCY):

National Flood Insurance & the Endangered Species Act - National Flood Insurance in a Post-Jeopardy Environment: FEMA's "Reasonable and Prudent Alternative" Implementation for the Puget Sound Biological Opinion by Mark G. Eberlein (TWR #92: Oct. 15, 2011)

Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation by Molly Lawrence (TWR #131: Jan. 15, 2015)

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

Floodplain Projects: Federal Flood Risk Management Standard (TWR #133, Water Briefs: March 15, 2015)

FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding (TWR #140: Oct. 15, 2015)

[National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch \(TWR #145: March 15, 2016\)](#)

[FERC: FEDERAL ENERGY REGULATORY COMMISSION \(see also HYDROPOWER POWER\):](#)

[FERC: New Technologies \(Wave, Current & Instream Projects\) \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Toxic Discharges from Dams: Clean Water Act & Nuisance Lawsuits \(Klamath River\) \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Water Quality Standards & Hydropower Dams: Finding Concrete Solutions by Rebecca Sherman, Brett Swift and Rick Eichstaedt \(TWR #45, Nov. 15, 2007\)](#)

[FERC Hydropower Relicensing: First Integrated Licensing Process \(ILP\) License Issued \(TWR #47, Water Briefs: January 15, 2008\)](#)

[Klamath Basin Restoration Agreement: A Convergence of Opportunity by Paul Simmons \(TWR #49: March 15, 2008\)](#)

[Water Quality Section 401 Certification: Avista Dams and FERC Relicensing \(TWR #50, Water Briefs: April 15, 2008\)](#)

[EPA Reversal on 303\(d\) Listing: Klamath River Decision \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Water Quality Ruling on Authority of California & FERC - Klamath Dams \(TWR #53, Water Briefs: July 15, 2008\)](#)

[FERC Water Quality Permit \(401 Certification\) for Spokane River \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Hydroelectric Relicensing and Tribal Religious Claims: FERC's Increase of Minimum Flows Upheld by David C. Moon \(TWR #58: December 15, 2008\)](#)

[Hydro Project Settlement: Tacoma Power & Skokomish Tribal Nation Reach Detailed Agreement \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Dams & Temperature MOU Addresses Spokane River Hydro Issues for Washington, Idaho and Coeur d'Alene Tribe \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Ecomarket Approaches to Addressing Water Quality Obligations: Legal Overview and the Hells Canyon Test Case by Glick & Nocar \(TWR #63: May 15, 2009\)](#)

[Kalispel Tribe & Utility Settlement: Hydropower Relicensing \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Balancing Resource Protection & Economic Development: An Early Assessment of Emerging Water Policies in the Obama Administration by Sensiba & Swenson \(TWR #66: August 15, 2009\)](#)

[Klamath Settlement Agreements: Charting a New Direction by Glen Spain \(TWR #70: Dec. 15, 2009\)](#)

[Klamath Settlement Agreements: Part II by Glen Spain \(TWR #71: Jan. 15, 2010\)](#)

[Small Hydroelectric Agreement - Colorado & FERC Enter Into MOU \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Tribal Interests, Instream Flows & Hydropower Licensing: Using the Licensing Process to Address Tribal Concerns by Mason Morisset \(TWR #92: Oct. 15, 2011\)](#)

[Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whychus Creek by Pamela Thalacker \(TWR #101: July 15, 2012\)](#)

Federal Power Act Preempts Damage Claims Under State Tort Law - Fifth Circuit Ruling (TWR #117, Water Briefs: Nov. 15, 2013)

Tribal Hydro: Salish and Kootenai Tribes - First Tribe-Owned Hydro Project (TWR #140, Water Briefs: Oct. 15, 2015)

Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons (TWR #143: January 15, 2016)

Klamath Dams Removal: New Agreement Announced to Move Forward With Klamath Hydroelectric Settlement Agreement (TWR #144, Water Briefs: Feb. 15, 2016)

Dam Removal: New Klamath River Agreements Signed (TWR #146, Water Briefs: April 15, 2016)

FIDUCIARY:

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

FILED RIGHTS:

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

FILL AND REMOVAL:

Idaho and Corps Enforcement (TWR #1, Water Briefs: March 15, 2004)

Corps Dredging Regulation: District Court Strikes Down Tulloch II Dredging Rule by Steve Richardson and Sam Kalen (TWR #37: March 15, 2007)

Mine Slurry Permit: Corps v. EPA Authority (TWR #65, Water Briefs: July 15, 2009)

Clean Water Act Enforcement in Alaska: Wetlands and Streams Damaged (TWR #78, Water Briefs: Aug. 15, 2010)

Illegal Stream Fill Settlement in California: \$500,000 in Restoration Stipulated (TWR #96, Water Briefs: Feb. 15, 2012)

FILTERS:

Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheume (TWR #139, Sept. 15, 2015)

FILTRATION MEMBRANES:

Water & Power: Reclamation Science & Technology Development Projects (TWR #141, Water Briefs: Nov. 15, 2015)

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

FINAL AGENCY ACTION:

Clean Water Act Decision: Jurisdictional Determination Appealable Immediately (TWR #148, Water Briefs: June 15, 2016)

FINANCE or FINANCING (see also FUNDING):

Water Financing: New EPA Build America Investment Initiative (TWR #132, Water Briefs: Feb. 15, 2015)

Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board (TWR #136: June 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley (TWR #140: Oct. 15, 2015)

Natural Resource Investment Center Established by Department of Interior (TWR #143, Water Briefs: Jan. 15, 2016)

Finding "New Water" in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

Clean Watersheds Needs Survey Released by EPA (TWR #144, Water Briefs: Feb. 15, 2016)

Infrastructure: Innovative & Multipurpose Financing Frameworks Developed by Stanford's Water in the West (TWR #145, Water Briefs: March 15, 2016)

Liquid Assets: Investing for Impact in the Colorado Basin - Investment Blueprint Released (TWR #146, Water Briefs: April 15, 2016)

Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap (TWR #148: June 15, 2016)

"FINGERPRINT" QUALITY:

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

FIRE and FIRE IMPACT:

FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding (TWR #140: Oct. 15, 2015)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

[Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues \(TWR #145, Water Briefs: March 15, 2016\)](#)

FIRST NATIONS:

[Aboriginal Title Decision in Canada: Implementation of Natural Resource and Energy Policy \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Shared Responsibility: Governing the Use of Water & Related Resources in the International Columbia River Basin Through the Prism of Tribes and First Nations \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

FISH CONSUMPTION RATE:

[Mercury Contamination: A West Coast Perspective by Katherine Futornick, Gary Bigham, and Betsy Henry \(TWR #31; September 15, 2006\)](#)

[Tribal Fish Consumption and Water Quality Standards by J.D. Williams \(TWR #32: October 15, 2006\)](#)

[Mercury Study of Rivers in West Released \(EPA & OSU\) \(TWR #36, Water Briefs: February 15, 2007\)](#)

[Tribal Contamination: Risk-Assessment Guidance Manual Released \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Columbia River Toxics: EPA's Columbia River Basin State of the River Report for Toxics by Mary Lou Soscia and Kim Johnson \(TWR #58: December 15, 2008\)](#)

[Mercury Advisory: Fish Consumption Limits in Arizona \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Fish Consumption & Tribes: Revised Water Quality Standards in Oregon \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Mercury Contamination in Arizona: Fish Consumption Advisory Issued by ADEQ \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Polluted Waters List: 303\(d\) List Submitted by California \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[Toxic Pollutants Standards & Fish Consumption Rate: EPA Approves Oregon's CWA Revisions \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[Fish Consumption Rate: Public Invited to Comment on Dept. of Ecology's Technical Support Document \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase \(TWR #108: Feb. 15, 2013\)](#)

[Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre \(TWR #114: August 15, 2013\)](#)

[Mercury Fish Consumption Report by EPA: Women's Blood-Levels Decline \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Fish Consumption Rates: Idaho DEQ Implementing Statewide Survey for Water Quality Criteria \(TWR #123, Water Briefs: May 15, 2014\)](#)

[Fish Consumption: FDA & EPA Issue Updated Draft Advice \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell \(TWR #126: August 15, 2014\)](#)

Fish Consumption Rate: Water Quality Standards Proposed in Washington State (TWR #128, Water Briefs, Oct. 15, 2014)

Fish Consumption Rule & Toxics Standards Proposal for Washington (TWR #132, Water Briefs: Feb. 15, 2015)

Fish Consumption Rate in Washington: EPA Proposes Human Health Criteria Rule (TWR #139, Water Briefs: Sept. 15, 2015)

Fish Consumption Rule Drafted by Washington's Ecology: State v. Federal Clean Water Act Rules (TWR #141, Water Briefs: Nov. 15, 2015)

FISHERIES (see also ENDANGERED SPECIES ACT):

2004 Report to Congress: NOAA Fisheries (TWR #8, Water Briefs: Oct. 15, 2004)

Delisting Criteria: NOAA Draft for Coho Salmon (TWR #8, Water Briefs: Oct. 15, 2004)

NOAA Fisheries Draft Strategic Plan 2005-2010 (TWR #9, Water Briefs: Nov. 15, 2004)

Friant Dam and San Joaquin River Fisheries Restoration: Reasonable Remedies? by Christopher H. Calfee (TWR #17: July 15, 2005)

CWA & ESA Intersections - Water Quality & ESA Section 7: Northwest Examples by Melanie J. Rowland (TWR #25: March 15, 2006)

Native & Non-Native Fish: USGS Study (TWR #27, Water Briefs: May 15, 2006)

Hydropower Relicensing: Fish Passage Proposal by PacifiCorp (TWR #27, Water Briefs: May 15, 2006)

San Joaquin Settlement: Friant Dam Litigation by Harrison C. Dunning (TWR #33: Nov. 15, 2006)

Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources (TWR #34: December 15, 2006)

Fish Recovery Multi-Agency Cooperation (San Juan River Basin) (TWR #34, Water Briefs: December 15, 2006)

ESA & CWA: Endangered Species Act Influences on EPA's Clean Water Act Programs (The Washington State Example) by Palmer (TWR #37: March 15, 2007)

Pipeline Releases Ammonia: Criminal CWA Penalty of \$1 Million (TWR #43, Water Briefs: Sept. 15, 2007)

Klamath Basin Restoration Agreement: A Convergence of Opportunity by Paul Simmons (TWR #49: March 15, 2008)

Willamette River Basin Fish Restoration-"Stepping Stones:" Supporting Prioritized Restoration and Investment in Multiple Ecosystem Services by David W. Hulse and Stanley V. Gregory (TWR #49: March 15, 2008)

"Recovery Crediting System" Guidance Developed by USFWS for Endangered Species (TWR #55, Water Briefs: September 15, 2008)

Fish Habitat: NOAA Mapping Tool Online (TWR #58, Water Briefs: December 15, 2008)

Mercury Contamination in Fish: USGS Nationwide Study (TWR #67: September 15, 2009)

Ammonia Spills in Nebraska & Kansas: \$3.65 Million Clean Water Act Penalty (TWR #67, Water Briefs: Sept. 15, 2009)

USFWS Expenditures for Threatened & Endangered Species: Study for FY 2007 Released (TWR #69, Water Briefs: Nov. 15, 2009)

[Klamath Settlement Agreements: Part II by Glen Spain \(TWR #71: Jan. 15, 2010\)](#)

[Instream Flow Program Annual Report for 2009: California Fish & Game Department \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Restoring the San Joaquin River: Restoration Program Update & Status Report by Alicia Gasdick & Margaret Gidding \(TWR #76: June 15, 2010\)](#)

[Delta Decisions: Salmon & Smelt Court Rulings in California \(TWR #76, Water Briefs: June 15, 2010\)](#)

[California Water Regulation: Farm Bureau Challenges State Fish & Game Department Authority by Joseph M. Carpenter \(TWR #77: July 15, 2010\)](#)

[Tribal Instream Rights: Important Settlement Reached on Klamath Basin Challenges by Douglas MacDougal \(TWR #78: Aug. 15, 2010\)](#)

[Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak \(TWR #81: November 15, 2010\)](#)

[Protecting Tribal Fishing Rights - Fixing Culverts that Block Fish Passage: Ruling on Washington Treaty Responsibilities Expected Soon by Matthew Love & Chris Zentz \(TWR #81: November 15, 2010\)](#)

[Bull Trout Habitat: USFWS Revises Critical Habitat Designation \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Key Tribal Water Developments in the Pacific Northwest by Duane Mecham \(TWR #83: Jan. 15, 2011\)](#)

[Stream Flow and the Impact of Dams: USGS Study on Dam Operations & Fish Habitat \(TWR #86, Water Briefs: April 15, 2011\)](#)

[Aquatic Ecosystems: EPA Proposed Protection Standards \(TWR #86, Water Briefs: April 15, 2011\)](#)

[Tribal Water Rights and the Colorado River Reallocation Through Forbearance Agreements by Mason D. Morisset \(TWR #87: May 15, 2011\)](#)

[ESA Improvement: USFWS & NOAA Fisheries Effort \(TWR #88, Water Briefs: June 15, 2011\)](#)

[Criminal Clean Water Act Violation: DARIGOLD Pleads Guilty \(TWR #89, Water Briefs: July 15, 2011\)](#)

[ESA Experimental Population: ESA Fish Designation Proposed in Washington \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Tribal Fish Accord Between Federal Agencies & Kalispel Tribe \(Columbia Basin\) \(TWR #90, Water Briefs: August 15, 2011\)](#)

[BiOp Rejected Again: Columbia River Plan Found Arbitrary & Capricious \(Specific Mitigation Plan Not Identified\) \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Bay Delta Conservation Plan: Schedule for Effects Analysis & EIS/EIR \(June 2012\) \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[National Research Council's Report Released: "A Review of the Use of Science and Adaptive Management in California's Draft Bay Delta Conservation Plan" \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Klamath Dam Removal: Removal Studies Released by Department of Interior \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Columbia River Instream Atlas: Washington's Ecology Releases Draft Tool \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[NOAA Enforcement Draft Priorities Released \(Public Comment Through January 9\)\(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[Aquatic Bioassessment USGS Database: BioData Retrieval System \(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

Instream Flow Assessment - The Science of the Art: Approaches to Evaluating Riverine Aquatic Habitat by Thomas R. Payne (TWR #95: Jan. 15, 2012)

Tribal Instream Rights Held Valid in Klamath Adjudication (Hunting, Fishing, Trapping & Gathering) (TWR #95, Water Briefs: Jan. 15, 2012)

NOAA Enforcement Priorities Document Released (TWR #99, Water Briefs: May 15, 2012)

Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whychus Creek by Pamela Thalacker (TWR #101: July 15, 2012)

Kalispel Tribe Agreement With Federal Agencies: Habitat & Fish Stocks in Columbia Basin (TWR #102, Water Briefs: August 15, 2012)

Stored Water Release Planned to Supplement Klamath River Flows to Avoid Fish Kills: Reclamation Findings (TWR #102, Water Briefs: August 15, 2012)

Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi (TWR #104: Oct. 15, 2012)

State of Our Watersheds - Northwest Indian Fisheries Commission Report Released (TWR #104, Water Briefs: Oct. 15, 2012)

Dam & Obstructions Removal - USFWS Fish Passage Report (TWR #104, Water Briefs: Oct. 15, 2012)

The Future of the Columbia River Treaty by Nigel Bankes, University of Calgary & Barbara Cosens (TWR #105: Nov. 15, 2012)

Instream Water Rights in California: Tribes Criticize USFS' Endangered Species Act Inaction (TWR #105, Water Briefs: Nov. 15, 2012)

Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity (TWR #106: Dec. 15, 2012)

Klamath Dam Removal Overview Report (Interior): An Assessment of Science and Technical Information Released (TWR #108, Water Briefs: Feb. 15, 2013)

NOAA Enforcement: Division Enforcement Priorities for 2013 (Draft) Released for Comment (TWR #108, Water Briefs: Feb. 15, 2013)

Salmon Returns - Ocean Conditions Aid Predictions: NOAA-OSU Study (TWR #108, Water Briefs: Feb. 15, 2013)

Critical Habitat for Lower Columbia River Coho & Puget Sound Steelhead: Comments Closing Soon (TWR #108, Water Briefs: Feb. 15, 2013)

Interior Released FEIS on Klamath River Dam Removal & New Management Plan Dispute (TWR #111, Water Briefs: May 15, 2013)

Reclamation Announces Actions & Strategies to Improve Water Supplies for California's Central Valley Project (TWR #111, Water Briefs: May 15, 2013)

Mono Lake Settlement in California Addresses Tributary Streamflows & Other Actions (TWR #115, Water Briefs: Sept. 15, 2013)

Columbia River Treaty Update: Draft Regional Recommendation Released (TWR #116: Oct. 15, 2013)

Klamath Settlement "Agreement in Principle" Reached Between Klamath Tribes and "Off-Project" Irrigators (TWR #118, Water Briefs: Dec. 15, 2013)

ESA Settlement by Karuk Tribe & Irrigation District: Dams & Diversions on Shasta River (TWR #119, Water Briefs: Jan. 15, 2014)

Fish Passage & Treaty Obligations: Washington State "Culvert Case" Before the Ninth Circuit by David Moon (TWR #120: Feb. 15, 2014)

An Assessment of Potential Mining Impacts on Salmon Ecosystems of Bristol Bay, Alaska: EPA Report (TWR #120, Water Briefs: Feb. 15, 2014)

Hatchery v. Wild Fish: ESA/NEPA Decision in Oregon Federal District Court (TWR #120, Water Briefs: Feb. 15, 2014)

Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol (TWR #121: March 15, 2014)

Riparian Restoration in Wyoming: Coordinated Resource Management - Livestock Grazing Practices (TWR #121, Water Briefs: March 15, 2014)

Hatchery v. Wild Fish Dispute: Settlement Severely Limits Releases (ESA Evaluation Needed) (TWR #123, Water Briefs: May 15, 2014)

The Columbia River Treaty: September 16 Pivot Point for the Future of the Columbia River Basin by Eric Christensen (TWR #125: July 15, 2014)

Pesticides & Salmon: Buffer Zones Agreement Reached with EPA (TWR #125, Water Briefs: July 15, 2014)

New Zealand Mudsnail Infestations: Public Policy Implications by Paul Bucich & Kit Paulsen (TWR #126: Aug. 15, 2014)

Mining & Fisheries: EPA Proposal for Bristol Bay, Alaska (TWR #126, Water Briefs: Aug. 15, 2014)

Federal Breach of Contract: Reclamation Loses Appeal on Breach of Contract Claim by David Moon (TWR #127: Sept. 15, 2014)

Reclamation Increases Flow Releases - Lower Klamath River Supplement from Trinity Reservoir (TWR #127, Water Briefs: Sept. 15, 2014)

Pesticide Stream Buffers Finalized: Settlement Agreement with EPA (TWR #127, Water Briefs: Sept. 15, 2014)

Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations (Congressional Research Service) by Claudia Copeland (TWR #128, Oct. 15, 2014)

Flow Augmentation Releases (Trinity Reservoir): Reclamation Releases for Salmon Protection Lower Klamath River (TWR #128, Water Briefs, Oct. 15, 2014)

Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases (TWR #128, Water Briefs, Oct. 15, 2014)

Duwamish Cleanup: Superfund Final Plan in Seattle Waterway (TWR #130: Water Briefs, Dec. 15, 2014)

Benefit-Cost Analysis of the Yakima Basin Integrated Plan Projects (TWR #131: Water Briefs, Jan. 15, 2015)

Huge Instream Donation: Water Supply/Trust Program in Washington (TWR #132, Water Briefs: Feb. 15, 2015)

Instream Rules in Washington: Repeal Denied for Skagit River/New Rule for Spokane River (TWR #132, Water Briefs: Feb. 15, 2015)

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

"Underground Regulation" — Agency Rulemaking & the California Administrative Procedures Act by Damien Schiff (TWR #133: March 15, 2015)

State of Salmon in Watersheds Report & Interactive Website in Washington State (TWR #134, Water Briefs: April 15, 2015)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study

[of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

[Authors' Responses: Yakima River Basin Integrated Plan \(TWR #135: May 15, 2015\)](#)

[Drought Resiliency - Projects Selected by Reclamation \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Water Released for Salmon by Reclamation - Injunction by Irrigation Districts Denied \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Reservoir Release in Colorado - Lease Agreement for Instream Flow to Benefit Endangered Fish \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon \(TWR #141: Nov. 15, 2015\)](#)

[Oregon Forestry Sets Riparian Buffers for Temperature Requirements \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Transboundary Cooperation in the International Columbia River Basin: A Preliminary Assessment of Existing Arrangements & Future Prospects \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons \(TWR #143: January 15, 2016\)](#)

[Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug \(TWR #143: January 15, 2016\)](#)

[Fishery Regulations in California: Information Order & Potential Fines For Noncompliance \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Climate Change Report on Oregon's Willamette Valley: Reclamation Reservoirs Buffer Impacts \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Groundwater Banking in California: San Joaquin Restoration Program \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Klamath Dams Removal: New Agreement Announced to Move Forward With Klamath Hydroelectric Settlement Agreement \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

[Wastewater Effluent Spill by Private Ski Area in Montana's West Gallatin River \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Dam Removal: New Klamath River Agreements Signed \(TWR #146, Water Briefs: April 15, 2016\)](#)

["Hydropeaking" Flows Study: Devastating Impacts on Aquatic Insects \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Columbia Basin Salmon BiOp Rejected by Federal Court: Fed Plan Invalidated for Fifth Time - ESA & NEPA Violated \(TWR #146, Water Briefs: April 15, 2016\)](#)

[FISHERY PURPOSE:](#)

Flow Augmentation Releases (Trinity Reservoir): Reclamation Releases for Salmon Protection Lower Klamath River (TWR #128, Water Briefs, Oct. 15, 2014)

Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases (TWR #128, Water Briefs, Oct. 15, 2014)

Huge Instream Donation: Water Supply/Trust Program in Washington (TWR #132, Water Briefs: Feb. 15, 2015)

Drought Resiliency - Projects Selected by Reclamation (TWR #139, Water Briefs: Sept. 15, 2015)

Water Released for Salmon by Reclamation - Injunction by Irrigation Districts Denied (TWR #139, Water Briefs: Sept. 15, 2015)

Reservoir Release in Colorado - Lease Agreement for Instream Flow to Benefit Endangered Fish (TWR #139, Water Briefs: Sept. 15, 2015)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

FISHING RIGHTS (see also CULVERT CASE):

Culvert Case Decided in Washington: Tribal Treaty Fishing Rights Victory by David Moon (TWR #110: April 15, 2013)

Culvert Case Appeal in Washington: Tribal Fish Passage Decision Appealed by State to 9th Circuit (TWR #112, Water Briefs: June 15, 2013)

Fish Passage & Treaty Obligations: Washington State "Culvert Case" Before the Ninth Circuit by David Moon (TWR #120: Feb. 15, 2014)

Stream Access in New Mexico: Attorney General's Opinion (TWR #123, Water Briefs: May 15, 2014)

FISH PASSAGE (see also HYDROELECTRIC):

Hydroelectric Settlement - Fish Passage (TWR #6, Water Briefs: Aug. 15, 2004)

Fish Passage Assessment by Paul Conrecode (TWR #9: Nov. 15, 2004)

The Role of Science in the ESA: Balancing the Needs of Protected Species by Michael G. Thabault (TWR #9: Nov. 15, 2004)

Fish Passage Prescribed in Klamath Hydro Relicensing Proceeding (NOAA Fisheries and Dept. of Interior) (TWR #26, Water Briefs: April 15, 2006)

Klamath Hydroelectric Relicensing: Fish Passage and FERC (TWR #32, Water Briefs: October 15, 2006)

Hydropower Relicensing: Fish Passage Proposal by PacifiCorp (TWR #27, Water Briefs: May 15, 2006)

Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources (TWR #34: December 15, 2006)

Klamath Dams - Agency Fish Passage Mandates Finalized (TWR #36, Water Briefs: February 15, 2007)

ESA "Takings" Case: Water Required for Fish Ladder in California (TWR #38, Water Briefs: April 15, 2007)

Tribal Treaty Rights: Fish Passage Duty Decision by US District Court in Washington (TWR #43, Water Briefs: Sept. 15, 2007)

Hydropower and Fish - Northwest Challenge: Keeping Fish and Clean Hydro by F. Lorraine Bodi and Dulcy Mahar (TWR #47: January 15, 2008)

Klamath Basin Restoration Agreement: A Convergence of Opportunity by Paul Simmons (TWR #49: March 15, 2008)

Columbia Basin Fish Accords Signed (TWR #51, Water Briefs: May 15, 2008)

Fish Passage on Deschutes River Dam in Oregon: \$108 Million Underwater Tower (TWR #55, Water Briefs: September 15, 2008)

Kalispel Tribe & Utility Settlement: Hydropower Relicensing (TWR #63, Water Briefs: May 15, 2009)

Reclamation Pumping in Central Valley (CA) - NOAA BiOp Finds Jeopardy and BiOp Appealed (TWR #65, Water Briefs: July 15, 2009)

Restoring the San Joaquin River: Restoration Program Update & Status Report by Alicia Gasdick & Margaret Gidding (TWR #76: June 15, 2010)

Tribal Instream Rights: Important Settlement Reached on Klamath Basin Challenges by Douglas MacDougal (TWR #78: Aug. 15, 2010)

Protecting Tribal Fishing Rights - Fixing Culverts that Block Fish Passage: Ruling on Washington Treaty Responsibilities Expected Soon by Love & Zentz (TWR #81: Nov. 15, 2010)

Tribal Interests, Instream Flows & Hydropower Licensing: Using the Licensing Process to Address Tribal Concerns by Mason Morisset (TWR #92: Oct. 15, 2011)

Infrastructure Funding of \$50 Million Announced by Interior (TWR #97, Water Briefs: March 15, 2012)

Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whychus Creek by Pamela Thalacker (TWR #101: July 15, 2012)

Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi (TWR #104: Oct. 15, 2012)

Dam & Obstructions Removal - USFWS Fish Passage Report (TWR #104, Water Briefs: Oct. 15, 2012)

Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity (TWR #106: Dec. 15, 2012)

Yakima Water Plan: The Other Side of the Story by Evans, Forsgaard, Maykut & Packard (TWR #108: Feb. 15, 2013)

Culvert Case Decided in Washington: Tribal Treaty Fishing Rights Victory by David Moon (TWR #110: April 15, 2013)

"Takings" Claim Denied in *Casitas* Case: Beneficial Use & Injury Alleged (TWR #110, Water Briefs: April 15, 2013)

Culvert Case Appeal in Washington: Tribal Fish Passage Decision Appealed by State to 9th Circuit (TWR #112, Water Briefs: June 15, 2013)

Columbia River Treaty Review: Update & Next Steps (From the US Entity) - Special to The Water Report (TWR #117, Nov. 15, 2013)

Cumulative Watershed Impacts of Small-Scale Hydroelectric Projects in Irrigation Delivery Systems: A Case Study (TWR #117, Water Briefs: Nov. 15, 2013)

NOAA Awards Funding for Coastal Habitat Restoration Projects (TWR #117, Water Briefs: Nov. 15, 2013)

Fish Passage & Treaty Obligations: Washington State "Culvert Case" Before the Ninth Circuit by David Moon (TWR #120: Feb. 15, 2014)

Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. (TWR #121: March 15, 2014)

The Columbia River Treaty: September 16 Pivot Point for the Future of the Columbia River Basin by Eric Christensen (TWR #125: July 15, 2014)

Dam Fish Passage in Washington: New Passage Design a Success (TWR #125, Water Briefs: July 15, 2014)

Benefit-Cost Analysis of the Yakima Basin Integrated Plan Projects (TWR #131: Water Briefs, Jan. 15, 2015)

Watershed Planning Implementation and Flow Achievement: Washington Grant Cycle (TWR #133, Water Briefs: March 15, 2015)

State of Salmon in Watersheds Report & Interactive Website in Washington State (TWR #134, Water Briefs: April 15, 2015)

State of Salmon in Watersheds Report & Interactive Website in Washington State (TWR #134, Water Briefs: April 15, 2015)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garritty (TWR #135: May 15, 2015)

Authors' Responses: Yakima River Basin Integrated Plan (TWR #135: May 15, 2015)

Fish Passage Award for Innovation Received by Tacoma Power (TWR #136, Water Briefs: June 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

Transboundary Cooperation in the International Columbia River Basin: A Preliminary Assessment of Existing Arrangements & Future Prospects (TWR #142, Water Briefs: Dec. 15, 2015)

Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons (TWR #143: January 15, 2016)

Klamath Dams Removal: New Agreement Announced to Move Forward With Klamath Hydroelectric Settlement Agreement (TWR #144, Water Briefs: Feb. 15, 2016)

Dam Removal: New Klamath River Agreements Signed (TWR #146, Water Briefs: April 15, 2016)

FISH PERSISTENCE:

Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith (TWR #133: March 15, 2015)

FISH POPULATION GROWTH:

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

FISH RECOVERY:

[Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington’s Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

[FISH SCREENS:](#)

[Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whychus Creek by Pamela Thalacker \(TWR #101: July 15, 2012\)](#)

[Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi \(TWR #104: Oct. 15, 2012\)](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[FISH STOCKING:](#)

[“Underground Regulation” — Agency Rulemaking & the California Administrative Procedures Act by Damien Schiff \(TWR #133: March 15, 2015\)](#)

[“FIT FOR PURPOSE”:](#)

[Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug \(TWR #143: January 15, 2016\)](#)

[FIXED FEES:](#)

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

[FIXED MONITORING BENCHMARK:](#)

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher \(TWR #148: June 15, 2016\)](#)

[FLAME RETARDANTS:](#)

[Flame Retardants: NOAA Report Notes Concerns \(TWR #62, Water Briefs: April 15, 2009\)](#)

[Microbeads Banned in US By Federal Legislation \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[FLAT FEES:](#)

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

[FLEXIBILITY/"FLEXIBILITY" AGREEMENT \(Alternative Source of Water - see also EXCHANGE\):](#)

[Reclamation Announces Actions & Strategies to Improve Water Supplies for California's Central Valley Project \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Columbia River Treaty Options: Protocols for Transboundary Adaptive Management Examined by Bankes & Cosens \(TWR #129: Nov. 15, 2014\)](#)

[Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson \(TWR #132: Feb. 15, 2015\)](#)

[Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith \(TWR #133: March 15, 2015\)](#)

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

[Improving the Federal Response to Drought: Five Areas for Reform - PPIC Water Policy Center Report \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[Infrastructure: Innovative & Multipurpose Financing Frameworks Developed by Stanford's Water in the West \(TWR #145, Water Briefs: March 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

[Water Reuse: Lessons From the California Perspective by Craig Lichty \(TWR #4: June 15, 2004\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

[Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap \(TWR #148: June 15, 2016\)](#)

["FLEX Use":](#)

[Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones \(TWR #138, August 15, 2015\)](#)

[FLOATING SOLAR:](#)

[Floating Solar Program in Japan: Benefits of Floating Plants \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

FLOATING TREATMENT WETLANDS:

[Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill \(TWR #134: April 15, 2015\)](#)

FLOCCULATION:

[Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmén \(TWR #129: Nov. 15, 2014\)](#)

FLOOD CONTROL ACT AND THE CORPS OF ENGINEERS; FLOODING ISSUES:

[Final EIS: Missouri River Master Manual \(TWR #1, Water Briefs: March 15, 2004\)](#)

[Montana Amicus Brief Seeks Supreme Court Review \(TWR #2, Water Briefs: April 15, 2004\)](#)

[River Management & the ESA: Missouri River Litigation \(Navigation Versus Fish & Wildlife\) by Hayes, Schneider & Sturkie \(TWR #4: June 15, 2004\)](#)

[Texas Water Law: An Update on Recent Legislation and Case Law by Deborah Clarke Trejo and Tina Alvarado Arnold \(TWR #49: March 15, 2008\)](#)

[Climate Change and Water: IPCC Technical Paper VI by David Moon \(TWR #56: October 15, 2008\)](#)

[2009 Drought Water Bank in California: CDWR Facilitates Exchanges \(TWR #56, Water Briefs: October 15, 2008\)](#)

[Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt \(TWR #72: Feb. 15, 2010\)](#)

[Water Resources Regulation & Development: Groundwater, Floodplains, and "Waters of the United States" by Robert D. Anderson \(TWR #91: Sept. 15, 2011\)](#)

[The Columbia River, Basin, and Treaty: Upcoming Treaty Date is Focussing Basin Water Management Issues by Stan Miller \(TWR #101: July 15, 2012\)](#)

[The ESA & Water: Litigation Update - The ESA as Driver of Water Quality & Water Quantity by Quasius & Laschever \(TWR #103: Sept. 15, 2012\)](#)

[The Future of the Columbia River Treaty by Nigel Bankes, University of Calgary & Barbara Cosens \(TWR #105: Nov. 15, 2012\)](#)

[Missouri River Municipal & Industrial Water Storage Reallocation Study Released by U.S. Army Corps of Engineers \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Colorado River Management: Planning, Agreeing & Acting by Ted Kowalski \(TWR #107: January 15, 2013\)](#)

[Temporary Flooding Can Constitute 5th Amendment Takings: U.S. Supreme Court Decision \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[The Southern Delivery System - Getting to the Finish Line: Planning, Permitting & Constructing by John A. Fredell \(TWR #113: July 15, 2013\)](#)

Columbia River Treaty Update: Draft Regional Recommendation Released (TWR #116: Oct. 15, 2013)

Columbia River Treaty Review: Update & Next Steps (From the US Entity) - Special to The Water Report (TWR #117, Nov. 15, 2013)

U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service (TWR #118, Dec. 15, 2013)

Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson (TWR #118, Dec. 15, 2013)

California Water Action Plan Released (TWR #120, Water Briefs: Feb. 15, 2014)

The Columbia River Treaty: September 16 Pivot Point for the Future of the Columbia River Basin by Eric Christensen (TWR #125: July 15, 2014)

Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer (TWR #127: Sept. 15, 2014)

The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt (TWR #134: April 15, 2015)

EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley (TWR #140: Oct. 15, 2015)

FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding (TWR #140: Oct. 15, 2015)

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

LA's Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan (TWR #141: Nov. 15, 2015)

Columbia River Treaty: Canadian Negotiation Commitment Received from Prime Minister Trudeau (TWR #146, Water Briefs: April 15, 2016)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

FLOODING DAMAGE:

Temporary Flooding Found to Support "Takings" Award by Federal Circuit - Army Corps Project (TWR #119, Water Briefs: Jan. 15, 2014)

Supreme Court Stormwater Ruling: *Los Angeles Flood Control District v. NRDC* - A Strange and Meandering Case by Christopher Rich (TWR #120: Feb. 15, 2014)

Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, (TWR #122: April 15, 2014)

Stormwater Final Rule Published by EPA: Construction & Development (TWR #122, Water Briefs: April 15, 2014)

The Columbia River Treaty: September 16 Pivot Point for the Future of the Columbia River Basin by Eric Christensen (TWR #125: July 15, 2014)

Wetlands Settlement in California: CWA Violations/Penalties (TWR #127, Water Briefs: Sept. 15, 2014)

Aquifer Recharge & Flood Mitigation Collaboration in Nebraska (TWR #136, Water Briefs: June 15, 2015)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

FLOOD INSURANCE:

Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation by Molly Lawrence (TWR #131: Jan. 15, 2015)

"Affordability of National Flood Insurance Program Premiums," Report 1 Released by National Research Council (TWR #135, Water Briefs: May 15, 2015)

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

FLOOD IRRIGATION:

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon (TWR #132: Feb. 15, 2015)

Agriculture Conservation: USDA Regional Conservation Partnership Announced (TWR #135, Water Briefs: May 15, 2015)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

FLOOD MITIGATION:

Aquifer Recharge & Flood Mitigation Collaboration in Nebraska (TWR #136, Water Briefs: June 15, 2015)

FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding (TWR #140: Oct. 15, 2015)

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

FLOODPLAINS and FLOOD PROTECTION:

Water Resources Regulation & Development: Groundwater, Floodplains, and "Waters of the United States" by Robert D. Anderson (TWR #91: Sept. 15, 2011)

National Flood Insurance & the Endangered Species Act - National Flood Insurance in a Post-Jeopardy Environment: FEMA's "Reasonable and Prudent Alternative" Implementation for the Puget Sound Biological Opinion by Mark G. Eberlein (TWR #92: Oct. 15, 2011)

Extreme Weather & Climate Change: New IPCC Report (TWR #94, Water Briefs: Dec. 15, 2011)

Illegal Stream Fill Settlement in California: \$500,000 in Restoration Stipulated (TWR #96, Water Briefs: Feb. 15, 2012)

Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey (TWR #97: March

15, 2012)

The ESA & Water: Litigation Update - The ESA as Driver of Water Quality & Water Quantity by Quasius & Laschever (TWR #103: Sept. 15, 2012)

New Restoration Program for Streams and Wetlands in Montana (TWR #110, Water Briefs: April 15, 2013)

The Southern Delivery System - Getting to the Finish Line: Planning, Permitting & Constructing by John A. Fredell (TWR #113: July 15, 2013)

California Water Action Plan Released (TWR #120, Water Briefs: Feb. 15, 2014)

Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation by Molly Lawrence (TWR #131: Jan. 15, 2015)

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

Floodplain Projects: Federal Flood Risk Management Standard (TWR #133, Water Briefs: March 15, 2015)

The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt (TWR #134: April 15, 2015)

Aquifer Recharge & Flood Mitigation Collaboration in Nebraska (TWR #136, Water Briefs: June 15, 2015)

EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley (TWR #140: Oct. 15, 2015)

FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding (TWR #140: Oct. 15, 2015)

State of the Sound Report Released in Washington (TWR #142, Water Briefs: Dec. 15, 2015)

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

FLOOD RISK:

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding (TWR #140: Oct. 15, 2015)

FLORIDA WATER RIGHTS AND WATER QUALITY:

Waterway-To-Waterway Transference: NPDES Permit Requirements and the *Miccosukee* Case by Rick Glick (TWR #2: April 15, 2004)

Balancing Resource Protection & Economic Development: An Early Assessment of Emerging Water Policies in the Obama Administration by Sensiba & Swenson (TWR #66: August 15, 2009)

Takings Decision Issued by US Supreme Court: *Stop the Beach Renourishment* Case (TWR #78, Water Briefs: Aug. 15, 2010)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[Lake Lanier Ruling in the Southeast: Reclamation Reservoir & "Water Supply" Purpose 11th Circuit Decision \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols \(TWR #128, Oct. 15, 2014\)](#)

[Interstate Water Dispute: Florida v. Georgia in the Supreme Court \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Treated Stormwater Used for Irrigation in Florida \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch \(TWR #145: March 15, 2016\)](#)

[WRF Published Water Efficiency Study: Residential End Uses of Water, Version 2 \(2016\) \(TWR #146, Water Briefs: April 15, 2016\)](#)

[FLOWAGE EASEMENTS:](#)

[Temporary Flooding Can Constitute 5th Amendment Takings: U.S. Supreme Court Decision \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[FLOW AUGMENTATION RELEASES \(FARS\):](#)

[Reclamation Increases Flow Releases - Lower Klamath River Supplement from Trinity Reservoir \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

[Flow Augmentation Releases \(Trinity Reservoir\): Reclamation Releases for Salmon Protection Lower Klamath River \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[High Flow Release: Glen Canyon Dam Innovative Protocol to Mimic Flood Conditions \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

[Water Released for Salmon by Reclamation - Injunction by Irrigation Districts Denied \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[FLOWBACK WATER:](#)

[EPA Fracking Study "Draft Assessment" Released \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Fracking Spills in North Dakota: Duke University Study on Widespread Water & Soil Contamination \(TWR #146, Water Briefs: April 15, 2016\)](#)

[FLOW RELEASE:](#)

[High Flow Release: Glen Canyon Dam Innovative Protocol to Mimic Flood Conditions \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[FLOW RESTORATION \(see also INSTREAM FLOW\):](#)

[Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin \(TWR #139, Sept. 15, 2015\)](#)

[FLUSHING PERIOD:](#)

[Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheume \(TWR #139, Sept. 15, 2015\)](#)

[FLUVIAL GEOMORPHOLOGY:](#)

[National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch \(TWR #145: March 15, 2016\)](#)

[FOLSOM DAM:](#)

[Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer \(TWR #127: Sept. 15, 2014\)](#)

[FORBEARANCE:](#)

[Tribal Water Rights and the Colorado River Reallocation Through Forbearance Agreements by Mason D. Morisset \(TWR #87: May 15, 2011\)](#)

[Klamath Settlement "Agreement in Principle" Reached Between Klamath Tribes and "Off-Project" Irrigators \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin \(TWR #139, Sept. 15, 2015\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

["FOREIGN WATER":](#)

[Transbasin Water Exchanges in Colorado: "Lawn Irrigation Return Flows" \(LIRFs\) \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[FORESEEABILITY:](#)

[Whooping Crane ESA Case: Fifth Circuit Refuses to Reconsider ESA "Take" Challenge by David Moon \(TWR #131: Jan. 15, 2015\)](#)

[FOREST PRACTICES & FOREST SERVICE \(see also LOGGING\):](#)

[Incidental Take Permits - Washington Forest Practices \(TWR #13, Water Briefs: March 15, 2005\)](#)

[Reclaimed Water Use Approved for Snowmaking by Forest Service \(TWR #14, Water Briefs: April 15, 2005\)](#)

[National Forest Activities: Gold Mining Decision Has Wide Implications by David Moon \(TWR #34: December 15, 2006\)](#)

[ESA Incidental Take Statements by Matt Love and Sam Kalen \(TWR #37: March 15, 2007\)](#)

[Forest Service Legacy Roads: New Remediation Initiative Renews Focus by Mary Scurlock and Gina Ottoboni \(TWR #50: April 15, 2008\)](#)

[Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith \(TWR #69: Nov. 15, 2009\)](#)

[Logging Road Runoff: U.S. Loggers Lose an Important Clean Water Act Exemption by Jeffrey J. Miller & Robert A. Maynard \(TWR #79, Sept. 15, 2010\)](#)

[USDA Projects: Agriculture and Forests Initiatives \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Coastal Logging: Water Quality Lawsuit Impacts State Logging Practices - Enforceable Nonpoint Limits to be Established \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[Spotted Owl Recovery: Revised USFWS Plan \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Ski Area Water Rights: U.S. Forest Service Taking? \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Mining Law & the Endangered Species Act Decision - Section 7 Consultation Required \(TWR #100, Water Briefs: June 15, 2012\)](#)

[Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whychus Creek by Pamela Thalacker \(TWR #101: July 15, 2012\)](#)

[Yakima Water Plan: The Other Side of the Story by Evans, Forsgaard, Maykut & Packard \(TWR #108: Feb. 15, 2013\)](#)

[Temporary Flooding Can Constitute 5th Amendment Takings: U.S. Supreme Court Decision \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Natural Infrastructure: Investing in Forested Landscapes for Source Water Protection in the United States \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Community Forest: Yakima Basin Land Purchase Key Step in Yakima Basin Integrated Plan \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Klamath Settlement "Agreement in Principle" Reached Between Klamath Tribes and "Off-Project" Irrigators \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Oregon's Coastal Nonpoint Pollution Control Program - EPA & NOAA Disapproval Process Begins \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, \(TWR #122: April 15, 2014\)](#)

[Forestry Groundwater Chapter Added to USFS Water Resources Management Manual \(TWR #124, Water Briefs: June 15, 2014\)](#)

[USFS Direction for Groundwater Resources in Forests & Grasslands & Governors' Concerns \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding \(TWR #140: Oct. 15, 2015\)](#)

[Phase II MS4 Revision: Settlement Requires EPA to Revise Phase II MS4 Permit & Review Forest Road Runoff Regulation \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Oregon Forestry Sets Riparian Buffers for Temperature Requirements \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Forest Roads: EPA Considers Stormwater Discharge Requirements \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons \(TWR #143: January 15, 2016\)](#)

[Climate Change Report on Oregon's Willamette Valley: Reclamation Reservoirs Buffer Impacts \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[USFS Releases Effects of Drought on Forest and Rangelands in the United States: A Comprehensive Science Synthesis \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

FOREST PROPERTY:

[Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons \(TWR #143: January 15, 2016\)](#)

[Climate Change Report on Oregon's Willamette Valley: Reclamation Reservoirs Buffer Impacts \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

FOREST ROADS RUNOFF:

[Phase II MS4 Revision: Settlement Requires EPA to Revise Phase II MS4 Permit & Review Forest Road Runoff Regulation \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Forest Roads: EPA Considers Stormwater Discharge Requirements \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

FORFEITURE/ABANDONMENT (NON-USE):

[Oregon Water Resources Department: Interview with Director Paul Cleary \(TWR #1: March 15, 2004\)](#)

[Condemnation Proposed: Municipal Water Rights in Washington \(TWR #25, Water Briefs: March 15, 2006\)](#)

[Condemnation Case in Washington Settled - Water Rights Transfer \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Municipal Water Rights: Retroactive Expansion Lawsuit \(TWR #32, Water Briefs: October 15, 2006\)](#)

[Water Conservation Initiatives - Western States Take Action by Craig Bell, Western States Water Council \(TWR #38: April 15, 2007\)](#)

[Water Delivery - Canals, Ditches and Pipelines: The Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton \(TWR #41: July 15, 2007\)](#)

[Instream Flow Restoration: Cooperative, Free-Market Solutions in Oregon by Fritz Paulus \(TWR #43, Sept. 15, 2007\)](#)

[Municipal Water Law: Washington's Landmark Law Faces Challenges by Jeff B. Kray \(TWR #44, Oct. 15, 2007\)](#)

[Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer \(TWR #50: April 15, 2008\)](#)

[Healthy Rivers Act: Instream Flows in Colorado \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Washington State's Municipal Water Law: Landmark Law Partially Invalidated in Trial Court Decision by Jeff B. Kray \(TWR #53: July 15, 2008\)](#)

[Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell \(TWR #56: October 15, 2008\)](#)

[Water Marketing in Texas: Selling or Leasing of Groundwater and Surface Water Rights by Edmond R. McCarthy, Jr. \(TWR #62: April 15, 2009\)](#)

[Ecomarket Approaches to Addressing Water Quality Obligations: Legal Overview and the Hells Canyon Test Case by Glick & Nocar \(TWR #63: May 15, 2009\)](#)

[Idaho Transfers: An Update on Idaho's Water Transfer Policies and Issues by Michael C. Creamer \(TWR #65: July 15, 2009\)](#)

[Municipal Water Transfer Recommended in Washington: Relinquishment Due to Non-Use \(Expedited Process\) \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Snake River Basin Adjudication: Lessons Learned by Eric J. Wildman \(TWR #68: Oct. 15, 2009\)](#)

[Municipal Water Rights & the Growing Communities Doctrine: Development, Codification & Application by Christopher H. Meyer \(TWR #73: March 15, 2010\)](#)

["Conservation" Right in Kansas: Beneficial Use Definition \(Protection for Instream Flow\) \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Northwest Water Marketing: Re-Allocating Water in the Pacific Northwest by Richard A. Slaughter \(TWR #77: July 15, 2010\)](#)

[Nebraska's Evolving Water Law: Challenges and Opportunities Part I by Mary E. Kelly \(TWR #81: November 15, 2010\)](#)

[Municipal Water Law Upheld by Washington Supreme Court: "Pumps and Pipes" & Expanded Municipal Suppliers \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Washington State Municipal Water Law: Washington Supreme Court Upholds Controversial Law by Jeff Kray \(TWR #82: Dec. 15, 2010\)](#)

[Tribal Water Rights and the Colorado River Reallocation Through Forbearance Agreements by Mason D. Morisset \(TWR #87: May 15, 2011\)](#)

["Use It or Lose It" Principle Questioned by Kansas Governor: Ogallala Aquifer & Conservation Incentives \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Texas Groundwater Ruling-*EAA v. Day*: Texas Supreme Court Confirms Landowner's Ownership of Groundwater in Place by McCarthy \(TWR #99: May 15, 2012\)](#)

Abandonment & Nonuse Case in Nebraska: Regulation of Water Rights Leads to Decision on Common Law Issues by David Moon (TWR #99: May 15, 2012)

"*Acquavella V*" Decision Issued in Washington State Adjudication (TWR #111, Water Briefs: May 15, 2013)

Hydropower Rights Battle in Nebraska: Forfeiture and Abandonment Asserted by Groundwater Irrigators (TWR #115, Water Briefs: Sept. 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon (TWR #118, Dec. 15, 2013)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith (TWR #133: March 15, 2015)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Sustainable Water Use: Historic Purchase to Preserve Basin Integrity (TWR #140, Water Briefs: Oct. 15, 2015)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

FORTERRA:

Habitat Purchase: Transfer of Land to Tulalip Tribes (TWR #144, Water Briefs: Feb. 15, 2016)

FORUM SHOPPING:

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

"FOSSIL" GROUNDWATER:

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

"FOUR-PART TEST":

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

FracFocus:

Hydraulic Fracturing: Interior's Rule Released for Public & American Indian Lands (TWR #134, Water Briefs: April 15, 2015)

New Report: "The Analysis of Hydraulic Fracturing Fluid Data from the FracFocus Chemical Registry 1.0" (TWR #134, Water Briefs: April 15, 2015)

FRACKING FLOWBACK:

Fracking Ban in California?: Wastewater Injections Disclosed & Governor Petitioned (TWR #133, Water Briefs: March 15, 2015)

EPA Fracking Study "Draft Assessment" Released (TWR #137, Water Briefs: July 15, 2015)

"FRACKING" - HYDRAULIC FRACTURING:

Hydraulic Fracturing Impacts: EPA Study Released - Public Meetings (TWR #77, Water Briefs: July 15, 2010)

Western Governors Association 2010 Meeting: Water Resolutions (TWR #77, Water Briefs: July 15, 2010)

Hydraulic Fracturing: Wyoming Approves Regulations Governing Disclosure of Chemicals (TWR #79, Water Briefs: Sept. 15, 2010)

Hydraulic Fracturing: The Road to EPA's New "Fracking" Study by Adam Orford (TWR #80: Oct. 15, 2010)

Fracking Chemicals: EPA Impact Study (Halliburton Issued Subpoena) (TWR #81, Water Briefs: Nov. 15, 2010)

Hydraulic Fracturing: Interior Holds Forum (TWR #82, Water Briefs: Dec. 15, 2010)

Drinking Water Contamination From Fracking in Texas: EPA Order (TWR #83, Water Briefs: Jan. 15, 2011)

Hydraulic Fracturing & Drinking Water: EPA's Plan to Study Impacts of Hydraulic Fracturing - Debate Intensifies by Orford (TWR #85: March 15, 2011)

Endangered Rivers List: Natural Gas Drilling in Wyoming (TWR #88, Water Briefs: June 15, 2011)

Fracking - Diesel: EPA Regulations - Stakeholder Input Sought (TWR #89, Water Briefs: July 15, 2011)

Hydraulic Fracturing Debate: The Long and Winding Road Towards Regulation by Bruce Baizel (TWR #90: August 15, 2010)

Fracking Pollution Causal Link Found in EPA Draft Report (Groundwater Contamination) (TWR #95, Water Briefs: Jan. 15, 2012)

EPA Effluent Guidelines: Proposed Regulation of Shale Gas & Coalbed Methane Effluent by Campbell & Howe (TWR #96: Feb. 15, 2012)

Fracking Investigation of Groundwater Contamination to Continue in Wyoming (TWR #98, Water Briefs: April 15, 2012)

Fracking Requirements by Interior: Disclosure & UIC Diesel Fuel Use (Proposed Rules & Permitting Guidance) (TWR #100, Water Briefs: June 15, 2012)

Hydraulic Fracturing and Water Resources: Separating the Frack from the Fiction - Pacific Institute Report (TWR #101, Water Briefs: July 15, 2012)

Hydraulic Fracturing & Water: Water Needs and Appropriate Management by William H. Fronczak (TWR #102: August 15, 2012)

Fracking Lawsuit in California - Enforcement Issue Regarding Existing Law (TWR #105, Water Briefs: Nov. 15, 2012)

EPA Fracking Study Update Released: Review & Comment (TWR #107, Water Briefs: January 15, 2013)

Hydraulic Fracturing & Water: Considering the Water Resources Impacts of Hydraulic Fracturing by Adam Orford (TWR #110: April 15, 2013)

Fracking Disclosure: Trade Secrets Protected in Wyoming (TWR #110, Water Briefs: April 15, 2013)

Fracking Risks Lawsuit in California: BLM Leases & NEPA Review (TWR #111, Water Briefs: May 15, 2013)

Fracking Rule for Public & Indian Lands Proposed by Interior (TWR #112, Water Briefs: June 15, 2013)

Fracking Comments Period Extended by EPA for Potential Fracking Impacts on Drinking Water Resources (TWR #112, Water Briefs: June 15, 2013)

Fracking Studies Announced by BLM for Public Lands in California (TWR #114, Water Briefs: August 15, 2013)

Beyond the Fracking Wars: A Guide for Lawyers, Public Officials, Planners and Citizens - ABA Book (TWR #117, Water Briefs: Nov. 15, 2013)

Fracking Regulations Rulemaking Proposed in California (TWR #118, Water Briefs: Dec. 15, 2013)

Fracking Resolution Passes in San Francisco Urging Halt Due to Threats (TWR #120, Water Briefs: Feb. 15, 2014)

Fracking Guidance Released by EPA: Underground Injection Control & Diesel Fuels (TWR #121, Water Briefs: March 15, 2014)

Fracking Disclosure: EPA's Advanced Notice of Proposed Rulemaking (TWR #124, Water Briefs: June 15, 2014)

GAO Oil & Gas Report: Underground Injection Control Recommendations for EPA's Oversight (TWR #126, Water Briefs: Aug. 15, 2014)

Fracking Settlement-Fill Material Discharges: Civil Penalty and Restoration in Clean Water Act Case (TWR #131: Water Briefs, Jan. 15, 2015)

Speculation & Fracking: Transfer/Change Request Opposed in New Mexico (TWR #131: Water Briefs, Jan. 15, 2015)

Fracturing Data & Trends Released by USGS for 1947-2010 (TWR #132, Water Briefs: Feb. 15, 2015)

Fracking Ban in California?: Wastewater Injections Disclosed & Governor Petitioned (TWR #133, Water Briefs: March 15, 2015)

Hydraulic Fracturing: Interior's Rule Released for Public & American Indian Lands (TWR #134, Water Briefs: April 15, 2015)

New Report: "The Analysis of Hydraulic Fracturing Fluid Data from the FracFocus Chemical Registry 1.0" (TWR #134, Water Briefs: April 15, 2015)

Crude Oil-By-Rail & the Endangered Species Act: Coming Soon to Train Tracks Near You? by Kristen L. Boyles (TWR #136: June 15, 2015)

EPA Fracking Study "Draft Assessment" Released (TWR #137, Water Briefs: July 15, 2015)

Fracking Meetings Announced for September & October (TWR #137, Water Briefs: July 15, 2015)

BLM Fracking Rules Stayed: Four States Fighting Rules for Public Lands (TWR #137, Water Briefs: July 15, 2015)

"Hydraulic Fracturing Water Use Variability in the United States and Potential Environmental Implications" - USGS (TWR #137, Water Briefs: July 15, 2015)

Fracking & Drinking Water Sources: Stanford Researchers Show Fracking's Impact to Drinking Water Sources by Rob Jordan (TWR #146: April 15, 2016)

Fracking Report Clarification (TWR #146, Water Briefs: April 15, 2016)

Fracking Spills in North Dakota: Duke University Study on Widespread Water & Soil Contamination (TWR #146, Water Briefs: April 15, 2016)

Oil & Gas Lawsuit: EPA Sued Regarding Regulations on Drilling & Fracking Wastes (TWR #146, Water Briefs: April 15, 2016)

FRAUD:

EPA Settlement-Uranium Contamination Finalized: \$5.15 Billion From Handiwork and Kerr-McGee (TWR #132, Water Briefs: Feb. 15, 2015)

"FREE RIVER" (Availability):

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

FRESHWATER SUPPLY:

Freshwater Supply Report Released by GAO (TWR #124, Water Briefs: June 15, 2014)

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

FROST-FREE SEASON:

National Climate Assessment Released (TWR #124, Water Briefs: June 15, 2014)

"FULLY-APPROPRIATED" (see also "OVERAPPROPRIATED"):

Colorado's Water Plan by Jayla Ryan Poppleton (TWR #123: May 15, 2014)

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

FUNCTIONALITY:

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

FUNDAMENTAL HUMAN RIGHT:

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

FUNDING or FUNDING SOURCES:

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

EPA Funding for Small Water & Wastewater Systems: Training & Technical Assistance Grants (TWR #114, Water Briefs: August 15, 2013)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer (TWR #127: Sept. 15, 2014)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

Water Financing: New EPA Build America Investment Initiative (TWR #132, Water Briefs: Feb. 15, 2015)

Infrastructure: Innovative & Multipurpose Financing Frameworks Developed by Stanford's Water in the West (TWR #145, Water Briefs: March 15, 2016)

Land & Water Conservation Fund: \$95 Million to be Distributed - Short of Fully Authorized Level (TWR #146, Water Briefs: April 15, 2016)

Liquid Assets: Investing for Impact in the Colorado Basin - Investment Blueprint Released (TWR #146, Water Briefs: April 15, 2016)

Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap (TWR #148: June 15, 2016)

FUNGIBILITY:

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

"FUTILE CALL" DOCTRINE and NO CALL AGREEMENTS (see also Subordination):

Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge (TWR #64: June 15, 2009)

Conjunctive Use Decision in Idaho: Futile Calls and Seasonal Variability (TWR #65, Water Briefs: July 15, 2009)

Conjunctive Use Decisions: Applying the Prior Appropriation Doctrine to Groundwater Use by David Moon (TWR #86: April 15, 2011)

Rotational Agreement Held Not a Change in Water Rights by Colorado Supreme Court (TWR #95, Water Briefs: Jan. 15, 2012)

Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon (TWR #132: Feb. 15, 2015)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

FUTURE HARM:

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

FUTURE DEVELOPMENT:

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

"FUTURE USE":

Acquavella Update: Washington's 36-Year Old Water Rights Adjudication Nears An End by Jeff Kray (TWR #115: Sept. 15, 2013)

GAINING STREAM:

[South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom \(TWR #122: April 15, 2014\)](#)

[GAO:](#)

[TMDL Report - GAO Recommends Changes: Nonpoint Source Regulation Included \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Freshwater Supply Report Released by GAO \(TWR #124, Water Briefs: June 15, 2014\)](#)

[GAO Oil & Gas Report: Underground Injection Control Recommendations for EPA's Oversight \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[GAP ANALYSIS:](#)

[Water & Land Use Assessment Tool: California's Locally Adaptable Tool \(Water & Stormwater Impacts\) by Patterson, Hinds & Lassiter \(TWR #119: Jan. 15, 2014\)](#)

[GENERAL PERMIT \(see also STORMWATER\):](#)

[Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations \(Congressional Research Service\) by Claudia Copeland \(TWR #128, Oct. 15, 2014\)](#)

[Stormwater Permit: Industrial Permit Updated in Washington State \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[“GENERAL SERVICE AREA”:](#)

[Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz \(TWR #134: April 15, 2015\)](#)

[GEOCHEMICAL ION ESTIMATION:](#)

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher \(TWR #148: June 15, 2016\)](#)

[GEO-ENGINEERING:](#)

[Reservoir Evaporation Losses in the West Studied \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[GEOLOGY:](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

[GEORGIA WATER RIGHTS:](#)

[Interstate Water Dispute: Florida v. Georgia in the Supreme Court \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[GEOTHERMAL and GEO-SEQUESTRATION:](#)

[Integrated Water-Energy Planning: Major Nationwide Dialogue Underway by Shrier, Hightower & Johnson \(TWR #66: August 15, 2009\)](#)

[Geologic Sequestration: Carbon Dioxide Injection - EPA Seeking Comments \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Grand Canyon Mining: Uranium Mining Ban \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[Closed Loop Geothermal Power Plants: New Mexico Clarifies Permit Process by Michelle Henrie \(TWR #97: March 15, 2012\)](#)

[GILA RIVER:](#)

[Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin \(TWR #130: Dec. 15, 2014\)](#)

[GIS DATABASE:](#)

[Delta Stormwater Settlement: Toxic Discharges Suit Under ESA & Clean Water Act \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[GLACIAL RETREAT:](#)

[National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch \(TWR #145: March 15, 2016\)](#)

[GLEN CANYON DAM OPERATIONS \(see also Colorado River Basin\):](#)

[Glen Canyon Dam: Colorado River Basin States Propose Alternative for Management Plan \(TWR #102, Water Briefs: August 15, 2012\)](#)

[The "Fill Mead First" Proposal: Potential Legal Issues Under the Law of the River by Lawrence J. MacDonnell \(TWR #112: June 15, 2013\)](#)

[GLOBAL ACTION:](#)

[“Climate Change in the United States: Benefits of Global Action” EPA Report \(TWR #137, Water Briefs: July 15, 2015\)](#)

GLOBAL WARMING (see also Climate Change):

[Climate Change and Washington Water Law by David C. Moon \(TWR #18: August 15, 2005\)](#)

[Global Warming, The Hydrologic Cycle and Water Management by Brad Udall \(TWR #28, June 15, 2006\)](#)

[Global Warming: Columbia Basin Impacts \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Western States Water Update: Western States Water Council Meets in Montana by David C. Moon \(TWR #44, Oct. 15, 2007\)](#)

[Global Warming & Environmental Law: Climate Change and the ESA by Melanie J. Rowland \(TWR #45, Nov. 15, 2007\)](#)

[Climate Change: Final IPCC Report Released \(Summary to Policymakers\) \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Water Cabinet Created in New Mexico \(TWR #46, Water Briefs: December 15, 2007\)](#)

[National Water Program Strategy: Response to Climate Change - EPA Seeks Comment to Draft \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Climate Change and Water: IPCC Technical Paper VI by David Moon \(TWR #56: October 15, 2008\)](#)

[NOAA Arctic Report Reveals Greater Warming & Domino Effect \(TWR #57, Water Briefs: November 15, 2008\)](#)

[EPA's National Water Program Strategy: Response to Climate Change Released \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Climate Change: California Department of Water Resources White Paper \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Climate Change: Dept. of the Interior Strategy/Order \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[“Climate Change in the United States: Benefits of Global Action” EPA Report \(TWR #137, Water Briefs: July 15, 2015\)](#)

GLYPHOSATE (ROUNDUP):

[Roundup/Glyphosate Classified "Carcinogenic" by California's EPA \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Herbicide Disapproval: EPA Seeks Revocation of Enlist Duo \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

GOOD FAITH:

[Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen \(TWR #129: Nov. 15, 2014\)](#)

"GOOD SAMARITANS" LIABILITY:

[Orphan Mine Sites: "Good Samaritans" Liability Clarified to Encourage Cleanup \(TWR #107, Water Briefs: January 15, 2013\)](#)

GOVERNANCE STRUCTURE:

["Western State Water Program Capabilities Assessment Survey Report" Released by Western States Water Council \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

GRAND CANYON:

[High Flow Release: Glen Canyon Dam Innovative Protocol to Mimic Flood Conditions \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

GRANDFATHERING EXISTING USERS:

[Texas Takings Case: Procedural Rulings - Claims Dismissed \(TWR #137, Water Briefs: July 15, 2015\)](#)

GRASSLAND:

[Agricultural Conservation: USDA Program Incentives & CRP-Grasslands Initiative \(TWR #138, Water Briefs: August 15, 2015\)](#)

GRAVEL PIT FLOODING:

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill \(TWR #129: Nov. 15, 2014\)](#)

GRAVITY-BASED SYSTEM:

[Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill \(TWR #134: April 15, 2015\)](#)

GRAVITY FLOW:

[At the Water-Energy Nexus: Renewable Energy from In-Conduit Hydropower by Jennifer Allen Newton \(TWR #112: June 15, 2013\)](#)

[Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen \(TWR #129: Nov. 15, 2014\)](#)

[In-Pipe Hydropower: Portland's In-Pipe System Secures 20-Year Power Purchase Agreement by Jennifer Allen Newton \(TWR #132: Feb. 15, 2015\)](#)

[At the Water-Energy Nexus: Renewable Energy from In-Conduit Hydropower by Jennifer Allen Newton \(TWR #112: June 15, 2013\)](#)

GRAYWATER and GRAYWATER RECYCLING:

Graywater Code in California: New Standards Adopted (TWR #67, Water Briefs: Sept. 15, 2009)

Reclaimed Water Risks-Benefits Analysis by National Academy of Sciences Released (TWR #143, Water Briefs: Jan. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Infrastructure: Innovative & Multipurpose Financing Frameworks Developed by Stanford's Water in the West (TWR #145, Water Briefs: March 15, 2016)

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

Using Graywater & Stormwater to Enhance Local Water Supplies: An Assessment of Risks, Costs, & Benefits Published (TWR #146, Water Briefs: April 15, 2016)

GRAZING:

Water Rights & Grazing Activities on BLM Land: Decision Overturns Bush Administration Regulations (TWR #79, Water Briefs: Sept. 15, 2010)

Riparian Restoration in Wyoming: Coordinated Resource Management - Livestock Grazing Practices (TWR #121, Water Briefs: March 15, 2014)

Agricultural Conservation: USDA Program Incentives & CRP-Grasslands Initiative (TWR #138, Water Briefs: August 15, 2015)

GREAT AND GROWING CITIES DOCTRINE (see also GROWING COMMUNITIES DOCTRINE):

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

GREAT LAKES:

Balancing Resource Protection & Economic Development: An Early Assessment of Emerging Water Policies in the Obama Administration by Sensiba & Swenson (TWR #66: August 15, 2009)

Columbia River Treaty Options: Protocols for Transboundary Adaptive Management Examined by Bankes & Cosens (TWR #129: Nov. 15, 2014)

GREEN BONDS:

Liquid Assets: Investing for Impact in the Colorado Basin - Investment Blueprint Released (TWR #146, Water Briefs: April 15, 2016)

[GREEN REMEDIATION and GREEN INFRASTRUCTURE:](#)

[Green Remediation in Oregon: Policy for Cleanup Sites Finalized \(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[Green Infrastructure: EPA's Updated Website - Research & Water Quality Assistance \(TWR #97, Water Briefs: March 15, 2012\)](#)

[Green Stormwater Infrastructure/Implementation Needs: Clean Water America Alliance's National Survey Results \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Green Infrastructure Permitting & Enforcement: EPA Fact Sheets Released for NPDES Programs \(TWR #101, Water Briefs: July 15, 2012\)](#)

[*Integrated Municipal Stormwater and Wastewater Planning Approach Framework* \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Ben Grumbles & The U.S. Alliance: Interview by Tom Lindley \(TWR #104: Oct. 15, 2012\)](#)

[Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase \(TWR #108: Feb. 15, 2013\)](#)

[Green Infrastructure Factsheets on Permitting & Enforcement Released by EPA - NPDES Wet Weather Programs \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Low Impacts Permits - American Rivers' Guide to LID Permitting \(TWR #109, Water Briefs: March 15, 2013\)](#)

[National Stormwater Calculator Released by EPA \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Water & Land Use Assessment Tool: California's Locally Adaptable Tool \(Water & Stormwater Impacts\) by Patterson, Hinds & Lassiter \(TWR #119: Jan. 15, 2014\)](#)

[National Stormwater Calculator and Climate Assessment Tool - Phase II Released by EPA \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Northwest Water Quality Trading: Joint Recommendations in the Pacific Northwest by Sanneman, Cochran, Culliney, Furia, Power & Wigington \(TWR #125: July 15, 2014\)](#)

[2015 Five Star/Urban Waters Restoration Program: EPA Grant Program RFP \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Green Infrastructure: National "Collaborative" - EPA & White House Council on Environmental Quality \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

[Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson \(TWR #132: Feb. 15, 2015\)](#)

[Green Infrastructure: EPA Financing & Planning Guidance-Incorporating Stormwater Management Plans \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Green Infrastructure: New EPA Presentation & UC Berkeley Report \(TWR #133, Water Briefs: March 15, 2015\)](#)

["Green Infrastructure and the Sustainable Communities Initiative" Published by HUD's Office of Economic Resilience \(TWR #135, Water Briefs: May 15, 2015\)](#)

EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley (TWR #140: Oct. 15, 2015)

Green Infrastructure: EPA Launches Green Infrastructure Wizard" (TWR #140, Water Briefs: Oct. 15, 2015)

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Infrastructure: Innovative & Multipurpose Financing Frameworks Developed by Stanford's Water in the West (TWR #145, Water Briefs: March 15, 2016)

Infrastructure: Innovative & Multipurpose Financing Frameworks Developed by Stanford's Water in the West (TWR #145, Water Briefs: March 15, 2016)

Green Infrastructure Guidance Announced by WRF: Capital Improvement Project Delivery Methods & Incentives (TWR #146, Water Briefs: April 15, 2016)

Stormwater Runoff, Combined Sewer Overflows, and Infrastructure Research Funding (TWR #148, Water Briefs: June 15, 2016)

GREYWATER (see GRAYWATER):

-

GROUNDWATER ADJUDICATION:

Groundwater Adjudication: Legislative Reform Passed in California (TWR #141, Water Briefs: Nov. 15, 2015)

An Evaluation of California's Adjudicated Groundwater Basins - Report by UC Santa Cruz for California SWRCB (TWR #145, Water Briefs: March 15, 2016)

GROUNDWATER BANKING:

Groundwater Banking in California: San Joaquin Restoration Program (TWR #143, Water Briefs: Jan. 15, 2016)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

Groundwater Recharge Banking Program: San Joaquin River Restoration Program Releases Draft EA/IS (TWR #146, Water Briefs: April 15, 2016)

GROUNDWATER BASINS:

An Evaluation of California's Adjudicated Groundwater Basins - Report by UC Santa Cruz for California SWRCB (TWR #145, Water Briefs: March 15, 2016)

GROUNDWATER CLOSURES:

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

GROUNDWATER DATA:

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study (TWR #140, Water Briefs: Oct. 15, 2015)

An Evaluation of California's Adjudicated Groundwater Basins - Report by UC Santa Cruz for California SWRCB (TWR #145, Water Briefs: March 15, 2016)

GROUNDWATER DECLINES:

Setting Measurable Objectives to Achieve Sustainable Groundwater Management in California (TWR #140, Water Briefs: Oct. 15, 2015)

Proposed Reallocation of Non-Indian Agricultural Water in the Central Arizona Project (TWR #143, Water Briefs: Jan. 15, 2016)

Aquifer Recovery in Idaho: Governor's Budget Provides Funding to Reverse Decline of Idaho Aquifer Levels (TWR #144, Water Briefs: Feb. 15, 2016)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

GROUNDWATER DISCHARGES:

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

GROUND WATER DISTRICTS:

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

GROUNDWATER FLOW:

Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi (TWR #138, August 15, 2015)

GROUNDWATER GOVERNANCE:

"Groundwater Governance in the US" Project Initiated by Arizona WRRC & UA Udall Center for Studies in Public Policy (TWR #111, Water Briefs: May 15, 2013)

Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo (TWR #119: Jan. 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Forestry Groundwater Chapter Added to USFS Water Resources Management Manual (TWR #124, Water Briefs: June 15, 2014)

Shopping for Water: How the Market Can Mitigate Water Shortages in the American West - The Hamilton Project Paper (TWR #129: Water Briefs, Nov. 15, 2014)

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem (TWR #135: May 15, 2015)

Texas Takings Case: Procedural Rulings - Claims Dismissed (TWR #137, Water Briefs: July 15, 2015)

San Joaquin Sinking: NASA Subsidence Study (TWR #139, Water Briefs: Sept. 15, 2015)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Report on Water Available for Replenishment of Groundwater in California: Interim White Paper (TWR #146, Water Briefs: April 15, 2016)

GROUNDWATER INFILTRATION (see also GROUNDWATER RECHARGE):

Finding "New Water" in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

GROUNDWATER MANAGEMENT:

Sustainable Groundwater Management Report Released by California Water Foundation (TWR #124, Water Briefs: June 15, 2014)

Forestry Groundwater Chapter Added to USFS Water Resources Management Manual (TWR #124, Water Briefs: June 15, 2014)

Groundwater Threat: Colorado River Basin Groundwater Use Report by NASA and UC Irvine (TWR #126, Water Briefs: Aug. 15, 2014)

California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon (TWR #128, Oct. 15, 2014)

Shopping for Water: How the Market Can Mitigate Water Shortages in the American West - The Hamilton Project Paper (TWR #129: Water Briefs, Nov. 15, 2014)

[USFS Groundwater Directive: Western Governors' Ass'n Submits Commits Regarding Implications \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey \(TWR #130: Dec. 15, 2014\)](#)

[Gila Water Storage: Innovative Banking Creates “Long-Term Storage Credits” - Gila River Water Storage LLC and Christa McJunkin \(TWR #130: Dec. 15, 2014\)](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

[Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court’s Equitable Powers by David Moon \(TWR #133: March 15, 2015\)](#)

[Ongoing Drought in the Southwest and Central Plains: Climate Change Megadrought Predicted \(TWR #133, Water Briefs: March 15, 2015\)](#)

[California Groundwater Regulation - Into the Trenches: An Early Assessment of California’s New Groundwater Legislation by David Aladjem \(TWR #135: May 15, 2015\)](#)

[Groundwater Management Program Website Announced in California \(TWR #135, Water Briefs: May 15, 2015\) Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Aquifer Recharge & Flood Mitigation Collaboration in Nebraska \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi \(TWR #138, August 15, 2015\)](#)

[Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin \(TWR #139, Sept. 15, 2015\)](#)

[San Joaquin Sinking: NASA Subsidence Study \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[Setting Measurable Objectives to Achieve Sustainable Groundwater Management in California \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

[LA’s Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan \(TWR #141: Nov. 15, 2015\)](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

[War and Peace Over the Niobrara River by Don Blankenau \(TWR #142: Dec. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Reservoir Evaporation Losses in the West Studied \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

Aquifer Recovery in Idaho: Governor's Budget Provides Funding to Reverse Decline of Idaho Aquifer Levels (TWR #144, Water Briefs: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

An Evaluation of California's Adjudicated Groundwater Basins - Report by UC Santa Cruz for California SWRCB (TWR #145, Water Briefs: March 15, 2016)

Groundwater Recharge Banking Program: San Joaquin River Restoration Program Releases Draft EA/IS (TWR #146, Water Briefs: April 15, 2016)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

Report on Water Available for Replenishment of Groundwater in California: Interim White Paper (TWR #146, Water Briefs: April 15, 2016)

Tribal Water Lease in Idaho: Storage Rights to Mitigate for Groundwater Use (TWR #148, Water Briefs: June 15, 2016)

GROUNDWATER MONITORING:

Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board (TWR #136: June 15, 2015)

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

San Joaquin Sinking: NASA Subsidence Study (TWR #139, Water Briefs: Sept. 15, 2015)

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

USGS Report on the Colorado River's Source: Importance of Groundwater As Base Flow (TWR #148, Water Briefs: June 15, 2016)

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GROUNDWATER OVERDRAFT (see also GROUNDWATER DECLINE):

Proposed Reallocation of Non-Indian Agricultural Water in the Central Arizona Project (TWR #143, Water Briefs: Jan. 15, 2016)

Finding "New Water" in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Tribal Groundwater Case: Water Districts' Equitable Defenses Denied (TWR #145, Water Briefs: March 15, 2016)

Cropland Recharge in California: Groundwater Recharge for Overdraft (TWR #145, Water Briefs: March 15, 2016)

Tribal Water Lease in Idaho: Storage Rights to Mitigate for Groundwater Use (TWR #148, Water Briefs: June 15, 2016)

GROUNDWATER OWNERSHIP:

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon (TWR #134: April 15, 2015)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

GROUNDWATER PLAN:

Report on Water Available for Replenishment of Groundwater in California: Interim White Paper (TWR #146, Water Briefs: April 15, 2016)

GROUNDWATER RECHARGE, REPLENISHMENT or RESERVES (see also Aquifer Recharge):

Reclaimed Water Use - Groundwater Recharge (TWR #6, Water Briefs: Aug. 15, 2004)

Groundwater Replenishment - Orange County Water District Purification System (TWR #8, Water Briefs: Oct. 15, 2004)

Groundwater Reserves Proposal: Study Released on Water Supply & Climate Change for California (TWR #103, Water Briefs: Sept. 15, 2012)

Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity (TWR #106: Dec. 15, 2012)

Storage to Retention: Expanding California's Options for Meeting Its Water Needs - Roundtable on Water & Food Supply (TWR #106, Water Briefs: Dec. 15, 2012)

Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert (TWR #107: January 15, 2013)

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

Aquifer Depletion Study: USGS Releases *Groundwater Depletion in the United States (1900-2008)* (TWR #112, Water Briefs: June 15, 2013)

Groundwater Banking Project: Reclamation Restoration Funds (San Joaquin River Restoration Settlement Act)(TWR #113, Water Briefs: July 15, 2013)

Land Subsidence From Groundwater Pumping: San Joaquin Valley USGS Report Released (TWR #118, Water Briefs: Dec. 15, 2013)

[Stream Flow Enhancement/Groundwater Mitigation in Washington - Stormwater Capture & Groundwater Recharge \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. \(TWR #121: March 15, 2014\)](#)

["Assessment of Groundwater Level Trends across the United States" Published by Columbia Water Center \(TWR #122, Water Briefs: April 15, 2014\)](#)

[Sustainable Groundwater Management Report Released by California Water Foundation \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Land Subsidence and Groundwater Replenishment in California \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Groundwater Threat: Colorado River Basin Groundwater Use Report by NASA and UC Irvine \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Shopping for Water: How the Market Can Mitigate Water Shortages in the American West - The Hamilton Project Paper \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey \(TWR #130: Dec. 15, 2014\)](#)

[Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin \(TWR #130: Dec. 15, 2014\)](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

[The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt \(TWR #134: April 15, 2015\)](#)

[California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem \(TWR #135: May 15, 2015\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Aquifer Recharge & Flood Mitigation Collaboration in Nebraska \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin \(TWR #139, Sept. 15, 2015\)](#)

[San Joaquin Sinking: NASA Subsidence Study \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley \(TWR #140: Oct. 15, 2015\)](#)

[Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

[LA's Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan \(TWR #141: Nov. 15, 2015\)](#)

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

Reservoir Evaporation Losses in the West Studied (TWR #143, Water Briefs: Jan. 15, 2016)

Groundwater Banking in California: San Joaquin Restoration Program (TWR #143, Water Briefs: Jan. 15, 2016)

Aquifer Recovery in Idaho: Governor's Budget Provides Funding to Reverse Decline of Idaho Aquifer Levels (TWR #144, Water Briefs: Feb. 15, 2016)

Cropland Recharge in California: Groundwater Recharge for Overdraft (TWR #145, Water Briefs: March 15, 2016)

Groundwater Recharge Banking Program: San Joaquin River Restoration Program Releases Draft EA/IS (TWR #146, Water Briefs: April 15, 2016)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

Using Graywater & Stormwater to Enhance Local Water Supplies: An Assessment of Risks, Costs, & Benefits Published (TWR #146, Water Briefs: April 15, 2016)

Report on Water Available for Replenishment of Groundwater in California: Interim White Paper (TWR #146, Water Briefs: April 15, 2016)

GROUNDWATER RECHARGE WATER RIGHT:

Aquifer Recovery in Idaho: Governor's Budget Provides Funding to Reverse Decline of Idaho Aquifer Levels (TWR #144, Water Briefs: Feb. 15, 2016)

Cropland Recharge in California: Groundwater Recharge for Overdraft (TWR #145, Water Briefs: March 15, 2016)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

GROUNDWATER REGULATION:

"Takings" Case Upheld for Groundwater Protection from Regulation in Texas (TWR #135, Water Briefs: May 15, 2015)

Texas Takings Case: Procedural Rulings - Claims Dismissed (TWR #137, Water Briefs: July 15, 2015)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Groundwater Banking in California: San Joaquin Restoration Program (TWR #143, Water Briefs: Jan. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Tribal Water Lease in Idaho: Storage Rights to Mitigate for Groundwater Use (TWR #148, Water Briefs: June 15, 2016)

GROUNDWATER REMEDIATION (Quality):

Finding “New Water” in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

GROUNDWATER - SOURCE OF SURFACE FLOW:

USGS Report on the Colorado River's Source: Importance of Groundwater As Base Flow (TWR #148, Water Briefs: June 15, 2016)

GROUNDWATER-SPECIFIC CRITERIA:

Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder (TWR #139, Sept. 15, 2015)

GROUNDWATER STORAGE:

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

GROUNDWATER SUBSTITUTION:

Water Transfers Program by Reclamation Proposed for Voluntary Water Transfers in California (TWR #135, Water Briefs: May 15, 2015)

GROUNDWATER SUSTAINABILITY (including GSA):

California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon (TWR #128, Oct. 15, 2014)

California Groundwater Regulation - Into the Trenches: An Early Assessment of California’s New Groundwater Legislation by David Aladjem (TWR #135: May 15, 2015)

Water Transfers Program by Reclamation Proposed for Voluntary Water Transfers in California (TWR #135, Water Briefs: May 15, 2015)

Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study (TWR #140, Water Briefs: Oct. 15, 2015)

Aquifer Recovery in Idaho: Governor's Budget Provides Funding to Reverse Decline of Idaho Aquifer Levels (TWR #144, Water Briefs: Feb. 15, 2016)

An Evaluation of California’s Adjudicated Groundwater Basins - Report by UC Santa Cruz for California SWRCB (TWR #145, Water Briefs: March 15, 2016)

[SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool \(TWR #146, Water Briefs: April 15, 2016\)](#)

[GROUNDWATER SYSTEMS:](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

[GROUNDWATER - WATER QUALITY:](#)

[Groundwater Contamination Cleanup: San Gabriel Valley Superfund Site \(TWR #21, Water Briefs: Nov. 15, 2005\)](#)

[Groundwater Rights in Blended Basins: Storage, Ownership, Overdraft & Takings by Kevin O'Brien \(TWR #3: May 15, 2004\)](#)

[Coalbed Methane Extraction: Newfound Impacts and Water Quality Mitigation by Tom Darin \(TWR #3: May 15, 2004\)](#)

[Public Drinking Water Contamination by Michael Axline and Duane Miller \(TWR #5: July 15, 2004\)](#)

[Groundwater Contamination: PCE - Arizona DEQ Superfund Site \(TWR #5, Water Briefs: July 15, 2004\)](#)

[Reclaimed Water Use - Groundwater Recharge \(TWR #6, Water Briefs: Aug. 15, 2004\)](#)

[Groundwater Consent Decree - Contamination by US Army \(TWR #7, Water Briefs: Sept. 15, 2004\)](#)

[Groundwater Replenishment - Orange County Water District Purification System \(TWR #8, Water Briefs: Oct. 15, 2004\)](#)

[Groundwater Contamination - Arizona Study of PG&E Plume \(TWR #14, Water Briefs: April 15, 2005\)](#)

[Pump and Treat - New EPA Guidance for Remediating Polluted Groundwater \(TWR #14, Water Briefs: April 15, 2005\)](#)

[Groundwater Rule: Safe Drinking Water Rule Delayed \(TWR #15, Water Briefs: May 15, 2005\)](#)

[Groundwater Contamination Superfund Settlement \(California\) \(TWR #19, Water Briefs, September 15, 2005\)](#)

[Groundwater Contamination: Superfund Cleanup in the San Gabriel Valley \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[Perchlorate: Issues, Status, and Remedial Options \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[Groundwater Sampling and Monitoring with Direct Push - EPA Guidance \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[Hanford Superfund Site Update by Ken Niles, Assistant Director, Oregon Department of Energy \(TWR #23, Jan. 15, 2006\)](#)

[UST Leaks: Groundwater Pollution \(TWR #23, Water Briefs: Jan. 15, 2006\)](#)

[Phytotechnology: Contaminated Plume Technology \(TWR #23, Water Briefs: Jan. 15, 2006\)](#)

[Septic Leaks Result in \\$6.6 Million Fine \(TWR #23, Water Briefs: Jan. 15, 2006\)](#)

[Perchlorate Contamination and Cleanup: EPA Protective Guidance Issued \(TWR #24, Water Briefs: February 15, 2006\)](#)

[Hanford Settlement Between US and Washington: Groundwater Analysis and Environmental Review \(TWR #24, Water Briefs: February 15, 2006\)](#)

[Perchlorate in Groundwater & Surface Water: Occurrence, Regulation and Remediation by Evan Cox, Carol Aziz and Robert Borch \(TWR #26: April 15, 2006\)](#)

[Mining Megasite Cleanup: CERCLA Remedies Adapt to Circumstances in Butte, Montana by Angela Frandsen \(TWR #26: April 15, 2006\)](#)

[Volatile Organic Compounds in Groundwater & Drinking Water Wells \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Groundwater Contamination - EPA Settlement Reached in Nebraska \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Underground Injection Control Fine Proposed \(Safe Drinking Water Act Permit\) \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Aquifer Protection Permit: ADEQ & Phelps Dodge Consent Order \(TWR #29, Water Briefs: July 15, 2006\)](#)

[Groundwater Pollution: Manufacturers Liability Verdict in California \(TWR #29, Water Briefs: July 15, 2006\)](#)

[Groundwater Pollution Decision: Punitives Reduced \(TWR #31, Water Briefs: Sept. 15, 2006\)](#)

[Groundwater and Surface Water Contamination - Settlement Reached \(TWR #32, Water Briefs: October 15, 2006\)](#)

[Drinking Water Underground Source Risks: EPA Rule Issued \(TWR #33, Water Briefs: Nov. 15, 2006\)](#)

[Groundwater Contamination: Superfund Cleanup Costs Settlement \(TWR #34, Water Briefs: December 15, 2006\)](#)

[Dairy Water Quality: Management & Technology Publication \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Groundwater Cleanup in New Mexico - PCE Plume & Bioremediation Pilot Project \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Hazardous Waste Injection Approved by EPA \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Safe Drinking Water Violations: \\$1 Million Penalty for Refinery \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Groundwater Decision in California: Oil Wastewater Pollution \(TWR #42, Water Briefs: August 15, 2007\)](#)

[Coalbed Methane: Water Right Permits Required in Colorado \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Superfund Settlement: Groundwater Contamination in California \(TWR #45, Water Briefs: Nov. 15, 2007\)](#)

[Interstate Water Quality Litigation: Surface and Groundwater Contamination Alleged \(OK/AR\) \(TWR #46, Water Briefs: December 15, 2007\)](#)

[TMDL Challenges in Development and Implementation by David L. Clark, Jory Oppenheimer, and Michael Kasch \(TWR #47: January 15, 2008\)](#)

[Drinking Water Cleanup \(Sulfate\): Arizona Dept. of Environmental Quality \(TWR #48, Water Briefs: February 15, 2008\)](#)

[ADEQ Drinking Water Fine for TCE Contamination and Water Quality Violations \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Groundwater & Surface Water Interactions Model Released by USGS \(GSFLOW\) \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Water Quality Assurance Revolving Fund in Arizona: Wastewater Treatment Grant \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Brownfield Project for Groundwater Cleanup: EPA Agreement \(TWR #51, Water Briefs: May 15, 2008\)](#)

[TCE Settlement with \\$500,000 Penalty: Drinking Water in Arizona \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Drought Actions in California: Water Transfers and Exchanges \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Coalbed Methane Water Case Dismissed and Appealed in Wyoming \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Aquifer Protection Permits Announced for Mining in Arizona: Groundwater Quality Protection \(TWR #55, Water Briefs: September 15, 2008\)](#)

[Groundwater Replenishment & Water Reuse: Orange County California's Water Purification and Reuse Project by Michael R. Markus \(TWR #59: Jan. 15, 2009\)](#)

[NPDES Ruling: US Supreme Court Denies Appeal in *Friends of Pinto Creek v. EPA* \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Enzyme Bioremediation: Funding Awarded for Research by Texas Company \(TWR #61, Water Briefs: March 15, 2009\)](#)

[SUPERFUND Cleanup: Groundwater & Soil Cleanup in California \(TWR #61, Water Briefs: March 15, 2009\)](#)

[DOE Fined by EPA for Cleanup Shutdown of Toxic Wastes Lawrence Livermore National Laboratory \(TWR #62, Water Briefs: April 15, 2009\)](#)

[Carbon Sequestration Injection Project in Arizona: West Coast Regional Carbon Sequestration Partnership \(TWR #62, Water Briefs: April 15, 2009\)](#)

[SUPERFUND Liability: "Arranged for Disposal" and PRP\(s\) - Supreme Court Victory for Shell Oil Company \(TWR #63, Water Briefs: May 15, 2009\)](#)

["Groundwater" Official Water Term Adopted by USGS \(TWR #64, Water Briefs: June 15, 2009\)](#)

[Stormwater Retention On Site: An Analysis of Feasibility and Desirability by Eric W. Strecker, PE, and Aaron Poresky, EIT \(TWR #65: July 15, 2009\)](#)

[Integrated Water-Energy Planning: Major Nationwide Dialogue Underway by Shrier, Hightower & Johnson \(TWR #66: August 15, 2009\)](#)

[Recycled Wastewater Disposal: Santa Margarita River Case in California \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[SUPERFUND Settlement: \\$21 Million Contaminated Groundwater Cleanup System \(EPA & Northrop Grumman\) \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Contamination Study Agreement by Ecology and Port - Bellingham Toxics Site \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Groundwater Investigation Funded Via Uranium Contamination Agreement \(Tribal Land in Arizona \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Aquifer Storage & Recovery; New Federal Initiatives - EPA to Develop Guidance by Dr. Cat Shrier \(TWR #74, April 15, 2010\)](#)

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[Municipal Water Desalination - Alamogordo: New Mexico's First Large-Scale Municipal Desalination Project by James C. Brockmann \(TWR #75: May 15, 2010\)](#)

[Groundwater Study Released: USGS Contamination Study of Source Water \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Coalbed Methane Produced Groundwater: A Survey of Western Water Law Regulation by Sarah A. Klahn & Jack Tuholske \(TWR #77: July 15, 2010\)](#)

[Hydraulic Fracturing Impacts: EPA Study Released - Public Meetings \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Western Governors Association 2010 Meeting: Water Resolutions \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Hydraulic Fracturing: Wyoming Approves Regulations Governing Disclosure of Chemicals \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Hydraulic Fracturing: The Road to EPA's New "Fracking" Study by Adam Orford \(TWR #80: Oct. 15, 2010\)](#)

[Cleanup Agreement: Tribal Lands Uranium Contamination \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Nutrient Assessment of Streams & Groundwater: USGS Study \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Groundwater Settlement in New Mexico: Mining Release Result in \\$13 Million Damages \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Dairy Pollution Discharge Permit Denied in New Mexico: History of Noncompliance Causes Rejection \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Aquifer Cleanup in New Mexico: County & City System Required \(PCE Contamination\) \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Solar Power & Energy Conservation: Cleanup of Superfund Site by EPA \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Endangered Rivers List: Natural Gas Drilling in Wyoming \(TWR #88, Water Briefs: June 15, 2011\)](#)

[Aquifer Storage & Recovery: Advantages, Challenges, Applications & Approaches for Expanding ASR in the West by Burt & Barry \(TWR #91: Sept. 15, 2011\)](#)

[Waste Disposal Wells in Alaska: Motor Vehicle Fluids Threaten Groundwater - Army Base Fined \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Fracking Pollution Causal Link Found in EPA Draft Report \(Groundwater Contamination\) \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[EPA Effluent Guidelines: Proposed Regulation of Shale Gas & Coalbed Methane Effluent by Campbell & Howe \(TWR #96: Feb. 15, 2012\)](#)

[Fracking Investigation of Groundwater Contamination to Continue in Wyoming \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Conservation Plan in Oklahoma: Freshwater Conservation Legislation \(TWR #100, Water Briefs: June 15, 2012\)](#)

[Emerging Contaminants Advisory Panel Forming in Arizona \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Groundwater Cleanup at Superfund Site in Los Angeles: \\$6 Million Settlement \(Drinking Water Protection\) \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Groundwater Cleanup: Commingled Treatment System at California Superfund Site \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Inland Empire Groundwater: USGS Groundwater Quality Study - Nitrates & Perchlorates \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Dewatering, Monitoring & Remediation Plans: Refinery Plume Migration & Groundwater Treatment System \(CO\)\(TWR #102, Water Briefs: August 15, 2012\)](#)

[Groundwater Cleanup: PCE Removal in Las Cruces, New Mexico \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[Perchlorate Site Cleanup & Groundwater Investigation by EPA in California \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Groundwater Contaminated Sources for Drinking Water Supply - California Report \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Cleanup Settlement at Goodrich Superfund Site in California \(EPA\): TCA & Perchlorate \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Keystone XL Pipeline - EPA Raises Objections \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Oil Spill Fine & EPA Enforcement of Clean Water Act: Spill Within Tribal Boundaries \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Utah DWQ Issues Notice of Violation & Compliance Order Requesting Chevron Report on Diesel Spill \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre \(TWR #114: August 15, 2013\)](#)

[Safe Drinking Water Act Fine - Injection Well Violations in Colorado \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Mine Permit Appealed From ADEQ Decision: Aquifer Protection Permit in Arizona \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Public Supply Wells: Factors that Affect Vulnerability to Contamination - USGS Circular \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Safe Drinking Water Enforcement by EPA on Southern Ute Reservation in Colorado: Underground Injection Control \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, \(TWR #122: April 15, 2014\)](#)

[Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley \(TWR #124: June 15, 2014\)](#)

[WaterSMART Funding by Reclamation for Reclaim & Reuse Projects in California \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Clean Water Act Citizen Suit in Colorado - South Platte Pollution \(TWR #125, Water Briefs: July 15, 2014\)](#)

[EPA Settlement-Uranium Contamination Finalized: \\$5.15 Billion From Handiwork and Kerr-McGee \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt \(TWR #134: April 15, 2015\)](#)

[Hydraulic Fracturing: Interior's Rule Released for Public & American Indian Lands \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi \(TWR #138, August 15, 2015\)](#)

[Treated Stormwater Used for Irrigation in Florida \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Nuclear Plant Impacts: NRC Proposed Guidance for Groundwater Protection \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Fracking & Drinking Water Sources: Stanford Researchers Show Fracking's Impact to Drinking Water Sources by Rob Jordan \(TWR #146: April 15, 2016\)](#)

[GROUNDWATER - WATER RIGHTS \(see also CONJUNCTIVE USE\):](#)

[Oregon Water Resources Department: Interview with Director Paul Cleary \(TWR #1: March 15, 2004\)](#)

[The Rule of Capture and the Edwards Aquifer Adjudication by Darcy Frownfelter \(TWR #1: March 15, 2004\)](#)

[Groundwater Rights in Blended Basins: Storage, Ownership, Overdraft & Takings by Kevin O'Brien \(TWR #3: May 15, 2004\)](#)

[Coalbed Methane Extraction: Newfound Impacts and Water Quality Mitigation by Tom Darin \(TWR #3: May 15, 2004\)](#)

[Colorado Groundwater by David Harrison \(TWR #6: August 15, 2004\)](#)

[Western United States Groundwater Law by Gary Bryner \(TWR #5: July 15, 2004\)](#)

[Reclaimed Water Use - Groundwater Recharge \(TWR #6, Water Briefs: Aug. 15, 2004\)](#)

[Basin-Wide Water Management \(Cooperation in the Deschutes Basin: A Municipal Perspective\) by Patrick Griffiths \(TWR #7: Sept. 15, 2004\)](#)

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[Groundwater Replenishment - Orange County Water District Purification System \(TWR #8, Water Briefs: Oct. 15, 2004\)](#)

[Idaho Groundwater Settlement - Purchase of Surface Rights \(TWR #9, Water Briefs: Nov. 15, 2004\)](#)

[Conjunctive Administration on the Eastern Snake River Plain by Phillip J. Rassier \(TWR #10: Dec. 15, 2004\)](#)

[Ground Water Right Transfers in the Snake River Plain, Idaho by Johnson, Harris, Contor and Cosgrove \(TWR #10: Dec. 15, 2004\)](#)

[Arizona Water Settlement Approved by Congress \(TWR #10, Water Briefs: Dec. 15, 2004\)](#)

[Montana Water Law Update by David C. Moon \(TWR #11: Jan. 15, 2005\)](#)

[Comprehensive Groundwater Study Released in California \(TWR #11, Water Briefs: Jan. 15, 2005\)](#)

[Surface Water Users "Call" on Groundwater Rights in Idaho \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Colorado Water Law Decision \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Groundwater Holding: Nebraska Conjunctive Use \(TWR #13, Water Briefs: March 15, 2005\)](#)

[Groundwater Active Management Area Rejected in New Mexico \(TWR #14, Water Briefs: April 15, 2005\)](#)

[Idaho Conjunctive Use Order by David C. Moon \(TWR #15: May 15, 2005\)](#)

[Groundwater Rules Invalid: Deschutes Mitigation \(TWR #16, Water Briefs: June 15, 2005\)](#)

[Klamath Water Bank: USGS Report \(TWR #16, Water Briefs: June 15, 2005\)](#)

[Tribal Reserved Rights and Groundwater: Lummi Nation Decision by Barbara Markham \(TWR #17: July 15, 2005\)](#)

[Nebraska Groundwater - Authority to Regulate \(TWR #18, Water Briefs: August 15, 2005\)](#)

[Montana Groundwater/Surface Water Conflicts: Management in Search of Science and Reason by Kendy, Wilson & Ziemer \(TWR #19: September](#)

15, 2005)

Southwest Water Decisions: Arizona Water Settlements Act, Indian Reserved Rights, Adjudications by McGinnis & Alberts (TWR #20: October 15, 2005)

USGS Report on Groundwater in US (TWR #20, Water Briefs: October 15, 2005)

Groundwater Basins in New Mexico Under State Jurisdiction (TWR #20, Water Briefs: October 15, 2005)

Water Supply: Declining Aquifer in Washington (TWR #20, Water Briefs: October 15, 2005)

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Exempt Wells: Ecology Reversal Regarding Agricultural Uses (TWR #22, Water Briefs: Dec. 15, 2005)

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Groundwater Injury Allowed: "Reasonable Use" Limits Damages (Ninth Circuit Decision) (TWR #24, Water Briefs: February 15, 2006)

Montana Supreme Court Rules on Groundwater Process: Basin Closures and Conjunctive Use by David C. Moon (TWR #28, June 15, 2006)

Groundwater Augmentation: Conjunctive Use Decision by Colorado Supreme Court (TWR #29, Water Briefs: July 15, 2006)

Conservation Easements: Environmental Quality Incentives Program (EQIP) in Nebraska (TWR #30, Water Briefs: August 15, 2006)

Growth Limits Based on Water Supply: Reclamation Exploratory Well (TWR #30, Water Briefs: August 15, 2006)

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Yakima USGS Groundwater Study (TWR #32, Water Briefs: October 15, 2006)

Arizona Groundwater Law by L. William Staudenmaier (TWR #33: Nov. 15, 2006)

Ground Water and Surface Water Regulation: Colorado Decision (TWR #35, Water Briefs: January 15, 2007)

Klamath Water Market & Study (Bureau of Reclamation) (TWR #35, Water Briefs: January 15, 2007)

Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs (TWR #36, February 15, 2007)

Santa Fe Water Resources and Policy: Evolving "Wet Growth Regulations" by Kyle Harwood (TWR #36, February 15, 2007)

Texas Groundwater - Rule of Capture and Groundwater Management in Texas: Part I by Bruce K. Darling (TWR #38: April 15, 2007)

Groundwater Report: Conjunctive Use in the West (TWR #38, Water Briefs: April 15, 2007)

Idaho Conjunctive Use: Idaho Supreme Court Upholds Conjunctive Water Rights Administration Rules by Jeff Fereday (TWR #40, June 15, 2007)

Klamath Basin "Takings" Decision, Minimum Flows Decision & USGS Groundwater Report (TWR #39, Water Briefs: May 15, 2007)

Groundwater Rights in Nevada: State Engineer Approval of SNWA Applications (TWR #39, Water Briefs: May 15, 2007)

[Idaho Conjunctive Use: Idaho Supreme Court Upholds Conjunctive Water Rights Administration Rules by Jeff Fereday \(TWR #40, June 15, 2007\)](#)

[Groundwater in Texas: Marketability and Market Value by Bruce K. Darling, Ph.D. \(Austin, TX\) \(TWR #41: July 15, 2007\)](#)

[Interstate Water Allocation by Christopher H. Meyer, Givens Pursley LLP \(Boise, Idaho\) \(TWR #42: August 15, 2007\)](#)

[Groundwater Regulations: Idaho DWR Orders Curtailment \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Migrating Plume in Arizona: EPA Groundwater Order \(TWR #42, Water Briefs: August 15, 2007\)](#)

[Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering \(TWR #43, Sept. 15, 2007\)](#)

[Western States Water Update: Western States Water Council Meets in Montana by David C. Moon \(TWR #44, Oct. 15, 2007\)](#)

[Groundwater Account in Kansas: Flexible Term Permits \(TWR #44, Water Briefs: Oct. 15, 2007\)](#)

[Biological Treatment of Groundwater and Soil Contamination in California \(TWR #44, Water Briefs: Oct. 15, 2007\)](#)

[Tribal Groundwater Rights: Lummi Nation Settlement in Washington \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Exempt Wells in Washington: Interim Management Limitations and Groundwater Study \(TWR #46, Water Briefs: December 15, 2007\)](#)

[New Western Water Agenda: Opportunities for Action in an Era of Growth and Climate Change by MacDonnell & Fort \(TWR #48: Feb. 15, 2008\)](#)

[Water Resources Supply: Groundwater Decision Support System Development by David Jordan, Cynthia Ardito and Van Kelley \(TWR #48: February 15, 2008\)](#)

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[Conjunctive Use - Idaho Decision on "Call" of Water \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Groundwater Mitigation Report in Oregon's Deschutes Basin \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Groundwater Conservation Guide Released \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Texas Water Law: An Update on Recent Legislation and Case Law by Deborah Clarke Trejo and Tina Alvarado Arnold \(TWR #49: March 15, 2008\)](#)

[Republican River Litigation Expected by Kansas Attorney General \(TWR #49, Water Briefs: March 15, 2008\)](#)

[Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer \(TWR #50: April 15, 2008\)](#)

[Rio Grande Settlement Between New Mexican & Texan Irrigation Districts: Dispute Over Interstate Surface & Groundwater by Moon \(TWR #50: April 15, 2008\)](#)

[Reclamation Study: Groundwater Use Substitution With Surface Water \(Columbia Basin Project\) \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Anti-Speculation Article Response - Mesa Water LLP \(TWR #52: June 15, 2008\)](#)

[Idaho Water Law: Update from Coeur d'Alene Conference by David Moon \(TWR #52: June 15, 2008\)](#)

[Groundwater Availability Modeling: The Texas Experience by Van Kelley, Robert Mace, and Neil Deeds \(TWR #54, August 15, 2008\)](#)

[Aquifer Recharge and Storage: Ongoing Implementation Concerns by Peter G. Scott \(TWR #54, August 15, 2008\)](#)

[Idaho Water Law Clarification \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Water Source Partnership: City of Olympia and Nisqually Tribe MOA \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Groundwater Supply: ASR Pilot Projects in Oklahoma Pass Legislature \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Coalbed Methane Water Case Dismissed and Appealed in Wyoming \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Domestic Wells in New Mexico: Senior Water Rights Protected in Court Decision \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Ground-Water Availability in the United States: USGS Circular 1323 Released \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Tribal Settlement Bill: Groundwater Basin Recharge in California \(TWR #55, Water Briefs: September 15, 2008\)](#)

[Montana v. Wyoming: U.S. Supreme Court to Hear Yellowstone Compact Case by Karen Budd-Falen \(TWR #57: November 15, 2008\)](#)

[Groundwater/Surface Water Decision in Nebraska: DNR Authority Upheld Regarding Hydraulic Connection \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Municipal & Instream Water Right Withdrawal Exchange in Washington \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Water Legislation Options Identified in California: California Legislative Analyst's Office \(LAO\) Report \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Groundwater Recharge Funding Approved by Idaho Water Board \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Agricultural Water to Municipal Use: The Legal and Institutional Context for Voluntary Transactions in Arizona bt Eden, Glennon, Ker, Libecap, Megdal and Shipman \(TWR #58: December 15, 2008\)](#)

[Groundwater Recharge Upheld in Arizona: "Takings" and Tort Claims Denied \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Groundwater Replenishment & Water Reuse: Orange County California's Water Purification and Reuse Project by Michael R. Markus \(TWR #59: Jan. 15, 2009\)](#)

[California Water Supply: Challenges and Solutions by Dr. Cat Shrier \(TWR #59: Jan. 15, 2009\)](#)

[Groundwater and Water Availability: Colorado Decision on Exempt Wells and the No Injury Rule \(TWR #59, Water Briefs: Jan. 15, 2009\)](#)

[Ground Water Availability & The No Injury Rule: Domestic Well Owners Protected in Colorado by David Moon \(TWR #60: Feb. 15, 2009\)](#)

[Inventory of Potential Below Ground Storage Sites Report Released by Oregon Water Resources Department \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Groundwater Wells Exempt Use Report Released by Oregon Water Resources Department \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

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[Groundwater Severance Invalid: Arizona Decision Regarding Future GW Use \(TWR #62, Water Briefs: April 15, 2009\)](#)

Groundwater Report: *Down to the Last Drop* - Texas Report from the Environmental Defense Fund

Ecomarket Approaches to Addressing Water Quality Obligations: Legal Overview and the Hells Canyon Test Case by Glick & Nocar (TWR #63: May 15, 2009)

Coalbed Methane Decision: "Beneficial Use" and Well Permit Required - Ranchers' Senior Water Rights Protected by David Moon (TWR #63: May 15, 2009)

New Water Laws in New Mexico: Water Management and State Engineer's Authority (TWR #63, Water Briefs: May 15, 2009)

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Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge (TWR #64: June 15, 2009)

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USGS Aquifer Study in California: Groundwater Availability in Central Valley (TWR #66, Water Briefs: August 15, 2009)

Exempt Groundwater: New Recording Rules in Oregon (TWR #66, Water Briefs: August 15, 2009)

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High Plains Aquifer (Ogallala) - USGS Water Quality Study (TWR #67, Water Briefs: Sept. 15, 2009)

Ecology Establishes Water Exchange for Exempt Wells Mitigation (TWR #67, Water Briefs: Sept. 15, 2009)

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Well Augmentation: Conjunctive Use Decision in Colorado (TWR #70, Water Briefs: Dec. 15, 2009)

Exempt Wells Petition Filed: Ranchers' Water Rights Threatened (TWR #70, Water Briefs: Dec. 15, 2009)

Groundwater & Instream Flow: New ECOLOGY Rules in Washington (TWR #70, Water Briefs: Dec. 15, 2009)

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Groundwater Closure Denied (WA): Stream Flow Concerns by Squaxin Island Tribe (Co. Agreement Pursued) (TWR #73, Water Briefs: March 15, 2010)

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Groundwater System in California: Legislative Analyst's Office Report Released (TWR #74, Water Briefs: April 15, 2010)

Groundwater Withdrawal Limits in Washington: Emergency Rule Extended (TWR #74, Water Briefs: April 15, 2010)

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Exempt Well Ruling in Montana: Rulemaking to Follow (TWR #79, Water Briefs: Sept. 15, 2010)

Tribal Water Decision in Nevada: Groundwater Change Application Granted by David Moon (TWR #83: Jan. 15, 2011)

Illegal Use of Well: Commercial Use of Domestic Well in New Mexico (TWR #80, Water Briefs: Oct. 15, 2010)

New Mexico 2008-2009 Annual State Water Report Released (TWR #80, Water Briefs: Oct. 15, 2010)

Northeastern Arizona Indian Water Rights Settlement - Navajo Nation Council Approval (TWR #81, Water Briefs: Nov. 15, 2010)

Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma (Sardis Reservoir) by Greetham (TWR #82: Dec. 15, 2010)

Nebraska's Evolving Water Law: Challenges & Opportunities - Part II by Mary E. Kelly (TWR #82: Dec. 15, 2010)

Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde (TWR #83: Jan. 15, 2011)

[Tribal Water Decision in Nevada: Groundwater Change Application Granted by David Moon \(TWR #83: Jan. 15, 2011\)](#)

[New Groundwater Rules for Withdrawals in Washington \(Mitigation Requirements/Water Banks\) \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Groundwater Moratorium Since 2004 Lifted in Kansas: USGS Study of Ozark Plateau Aquifer \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

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[Fully Appropriated: Nebraska Supreme Court Decision Impacts Surface & Groundwater Regulation \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Water Banks & Groundwater Mitigation in Washington \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Water Settlement in the Lower Rio Grande: Agreement in Principle Reached for Surface and Groundwater \(TWR #89, Water Briefs: July 15, 2011\)](#)

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[Groundwater Management Activities Survey in California \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[Tribal Water Rights Settlement Funding Announced-Soboba of Luiseño Indians Settlement Act \(\\$21 Million in California\)\(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[Exempt Well Decision in Washington: Stockwater Exemption Unlimited \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[Groundwater Rights & Regulation in Texas: Ownership and "Takings" \(TWR #97, Water Briefs: March 15, 2012\)](#)

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[Arizona Groundwater Management by Sharon B. Megdal \(TWR #104: Oct. 15, 2012\)](#)

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[Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie \(TWR #105: Nov. 15, 2012\)](#)

[Las Vegas Water: Governor Releases Utah Water Lawyers' Report on the Snake Valley Water Agreement \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[Pipeline & the Endangered Species Act - 9th Circuit Decision on ESA & NEPA \(Ruby Natural Gas Pipeline\) \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[Las Vegas Groundwater Market - Rights Offered for Sale \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson \(TWR #106: Dec. 15, 2012\)](#)

[USGS Study on Groundwater Impact on Streamflows Released \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[California's Water Market, By the Numbers, Update 2012 \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Texas v. New Mexico - Texas Sues Over Water Deliveries Under the Rio Grande Compact \(U.S. Supreme Court\) \(TWR #107, Water Briefs: January 15, 2013\)](#)

[South Platte Wells in Colorado: Over-Augmentation Damage Study Begins \(TWR #107, Water Briefs: January 15, 2013\)](#)

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[Snake Valley Water Agreement Rejected by Utah Governor \(Nevada & Utah Agreement\) \(TWR #111, Water Briefs: May 15, 2013\)](#)

["Groundwater Governance in the US" Project Initiated by Arizona WRRC & UA Udall Center for Studies in Public Policy \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Water Banking Criteria Draft Released by Reclamation for Central Valley Project \(TWR #112, Water Briefs: June 15, 2013\)](#)

[Arkansas Valley Conduit in Colorado: Regional Water Pipeline Project - Condensed/Edited from US Bureau of Reclamation Documents \(TWR #115: Sept. 15, 2013\)](#)

[High Plains Aquifer \(Ogallala\) Depletion Detailed - Unsustainable Agriculture Use of Groundwater \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson \(TWR #117, Nov. 15, 2013\)](#)

[Instream Rights Enforcement Discretion Agreement - *Swinomish v. Ecology* \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Groundwater Workplan Concept Paper Discussion Draft Released by State Water Resources Control Board \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Aquifer Storage & Recovery for Groundwater Supply - Award Announced for City of Phoenix Project \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Land Subsidence From Groundwater Pumping: San Joaquin Valley USGS Report Released \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

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[Stream Flow Enhancement/Groundwater Mitigation in Washington - Stormwater Capture & Groundwater Recharge \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[California Water Action Plan Released \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

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[Groundwater Permits Legislation in South Dakota - Fully Appropriated Aquifers/Random Selection Process \(TWR #121, Water Briefs: March 15, 2014\)](#)

[South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom \(TWR #122: April 15, 2014\)](#)

["Assessment of Groundwater Level Trends across the United States" Published by Columbia Water Center \(TWR #122, Water Briefs: April 15, 2014\)](#)

[Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge \(TWR #123: May 15, 2014\)](#)

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[New Groundwater Use: Kittitas County Settlement Agreement Signed by Ecology \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Forestry Groundwater Chapter Added to USFS Water Resources Management Manual \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Arizona Groundwater Use Decision: Groundwater Plan for Development Project Rejected by David Moon \(TWR #125: July 15, 2014\)](#)

[Land Subsidence and Groundwater Replenishment in California \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Groundwater Threat: Colorado River Basin Groundwater Use Report by NASA and UC Irvine \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Public Trust Doctrine Decision in California: Groundwater Regulation to Protect Rivers \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[USFS Direction for Groundwater Resources in Forests & Grasslands & Governors' Concerns \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

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[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

[Shopping for Water: How the Market Can Mitigate Water Shortages in the American West - The Hamilton Project Paper \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey \(TWR #130: Dec. 15, 2014\)](#)

[Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond \(TWR #130: Dec. 15, 2014\)](#)

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[Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon \(TWR #132: Feb. 15, 2015\)](#)

[Instream Rules in Washington: Repeal Denied for Skagit River/New Rule for Spokane River \(TWR #132, Water Briefs: Feb. 15, 2015\) Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon \(TWR #133: March 15, 2015\)](#)

[Ongoing Drought in the Southwest and Central Plains: Climate Change Megadrought Predicted \(TWR #133, Water Briefs: March 15, 2015\)](#)

[California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem \(TWR #135: May 15, 2015\)](#)

["Takings" Case Upheld for Groundwater Protection from Regulation in Texas \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Groundwater Management Program Website Announced in California \(TWR #135, Water Briefs: May 15, 2015\)](#)

[USGS Releases "Estimated Freshwater Withdrawals in Washington, 2010 Report" \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Groundwater Orders in Nevada: Las Vegas Applications Back to State Engineer for Decision \(TWR #136, Water Briefs: June 15, 2015\)](#)

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[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[New Groundwater Guidance: "Focus on New Groundwater Uses: The Groundwater Permit Exemption" \(TWR #138, Water Briefs: August 15, 2015\)](#)

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[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

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[Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

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[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

[Utah Navajo Water Rights Settlement Agreement Approved by Navajo Nation Council \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

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[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

[Tribal Water Lease in Idaho: Storage Rights to Mitigate for Groundwater Use \(TWR #148, Water Briefs: June 15, 2016\)](#)

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Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak (TWR #81: November 15, 2010)

National Low Impact Development Atlas: Interactive Site Up on Web (TWR #78, Water Briefs: Aug. 15, 2010)

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Speculation in Water Rights (Colorado): Public Utilities and Trout Unlimited Agreement Reached (TWR #83, Water Briefs: Jan. 15, 2011)

Anti-Speculation Decision in Colorado: Need & Speculative Sales (TWR #87, Water Briefs: May 15, 2011)

Aquifer & River Recharge: Spokane Valley-Rathdrum Prairie (SVRP) Aquifer and the Spokane River (Ecology Study) (TWR #87, Water Briefs: May 15, 2011)

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Municipal Water Rights in Montana: Court Rejects "Growing Cities Doctrine" and Upholds Agency Transfer Decision (TWR #91, Water Briefs: Sept. 15, 2011)

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[Colorado Basin Study - Basin Water Supply & Demand Study Update by Carly Jerla, James Prairie, & Pam Adams \(TWR #100: June 15, 2012\)](#)

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[Arizona Groundwater Management by Sharon B. Megdal \(TWR #104: Oct. 15, 2012\)](#)

[Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde \(TWR #117, Nov. 15, 2013\)](#)

[Groundwater Workplan Concept Paper Discussion Draft Released by State Water Resources Control Board \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Water & Land Use Assessment Tool: California's Locally Adaptable Tool \(Water & Stormwater Impacts\) by Patterson, Hinds & Lassiter \(TWR #119: Jan. 15, 2014\)](#)

[Regional Water Management Cooperation: Study Compares Four Cases in the West by Nathaniel Delano and Sharon B. Megdal \(TWR #121: March 15, 2014\)](#)

[Arizona's "Strategic Vision for Water Supply Sustainability" \(TWR #121, Water Briefs: March 15, 2014\)](#)

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[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[Water Plan Released in Colorado: Water Supply Strategies \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

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[Climate Change Report on Oregon's Willamette Valley: Reclamation Reservoirs Buffer Impacts \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

[SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool \(TWR #146, Water Briefs: April 15, 2016\)](#)

GROWTH MEDIA:

[Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheume \(TWR #139, Sept. 15,](#)

2015)

GUESSTIMATION:

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

GULF COAST and GULF OF MEXICO:

Gulf Coast Restoration: EPA Ecosystem Strategy Released (TWR #92, Water Briefs: Oct. 15, 2011)

Dead Zones in Gulf of Mexico and Chesapeake Bay: NOAA Predictions for 2014 (TWR #125, Water Briefs: July 15, 2014)

Nutrient Reduction Strategies Devised by Hypoxia Task Force-Gulf States (TWR #133, Water Briefs: March 15, 2015)

EPA Enforcement and Compliance Report for 2015 Released (TWR #143, Water Briefs: Jan. 15, 2016)

HABITAT and HABITAT CONSERVATION PLANS (HCPs):

Endangered Species Act Update: Summary of the 12th Annual ESA Conference by Greg D. Corbin (TWR #12: Feb. 15, 2005)

ESA Grants for \$70 Million - USFWS (TWR #14, Water Briefs: April 15, 2005)

Streamflow Restoration and Habitat Availability: USGS Study in Hawaii (TWR #24, Water Briefs: February 15, 2006)

Instream Water Rights Settlement: Muckleshoot Indian Tribe and Seattle (TWR #26, Water Briefs: April 15, 2006)

Conservation Grants USFWS Funding for Planning & Habitat Acquisition (TWR #34, Water Briefs: December 15, 2006)

CERCLA-NRDA Restoration: Ecocredits/Liability Coverage for Duwamish River Sites by Scott Lockert (TWR #57: November 15, 2008)

Fish Habitat: NOAA Mapping Tool Online (TWR #58, Water Briefs: December 15, 2008)

NOAA Biological Opinion on Pesticides: Salmon Jeopardy (TWR #58, Water Briefs: December 15, 2008)

Habitat Protection & Water Rights: Balancing Stream Habitat with New Water Rights Issuance - Washington State's Watershed Management Program by Andrew Graham (TWR #60: Feb. 15, 2009)

Hydro Project Settlement: Tacoma Power & Skokomish Tribal Nation Reach Detailed Agreement (TWR #60, Water Briefs: Feb. 15, 2009)

Open Rivers Initiative: National Funding Opportunity (TWR #66, Water Briefs: August 15, 2009)

Instream Flow Program Annual Report for 2009: California Fish & Game Department (TWR #73, Water Briefs: March 15, 2010)

Habitat Conservation: Dept. of Interior Provides \$66 Million for ESA Projects (TWR #75, Water Briefs: May 15, 2010)

[Tribal Wildlife Grants: USFWS Funding for Fish & Wildlife Projects \(September Deadline\) \(TWR #75, Water Briefs: May 15, 2010\)](#)

[USDA Projects: Agriculture and Forests Initiatives \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Phosphorus Removal: Boise Proposes Innovative Offset Project \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Stream Habitat Restoration: Power Company & Environmental Group Partnership in Oregon \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Tribal Fish Accord Between Federal Agencies & Kalispel Tribe \(Columbia Basin\) \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Southwestern Willow Flycatcher Critical Habitat Set by US Fish & Wildlife Service \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[National Flood Insurance & the Endangered Species Act - National Flood Insurance in a Post-Jeopardy Environment: FEMA's "Reasonable and Prudent Alternative" Implementation for the Puget Sound Biological Opinion by Mark G. Eberlein \(TWR #92: Oct. 15, 2011\)](#)

[Habitat Conservation & Farmland Conservation Reserves: USDA's CRP Program \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[Climate Change & San Francisco Bay Watershed: Watershed Impacts for the Coming Century-Edited/Condensed from: James Cloern \(TWR #94: Dec. 15, 2011\)](#)

[Instream Flow Assessment - The Science of the Art: Approaches to Evaluating Riverine Aquatic Habitat by Thomas R. Payne \(TWR #95: Jan. 15, 2012\)](#)

[USDA Conservation Reserve Program \(CRP\) General Signup \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

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[Wetlands Grants: Conservation & Habitat Grants from Dept. of Interior \(TWR #100, Water Briefs: June 15, 2012\)](#)

[Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whychus Creek by Pamela Thalacker \(TWR #101: July 15, 2012\)](#)

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[Tribal Water Bank Developed for River Deltas' Wetlands in Washington \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Tunnels Planned for Bay Delta Conservation Plan - Supply/Restoration of Sacramento-San Joaquin Delta Ecosystem \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi \(TWR #104: Oct. 15, 2012\)](#)

[State of Our Watersheds - Northwest Indian Fisheries Commission Report Released \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

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[The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor \(TWR #110: April 15, 2013\)](#)

[Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre \(TWR #114: August 15, 2013\)](#)

[Draft Economic Report on the Bay Delta Conservation Plan Released \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Small Dam Removal in Idaho: Programmatic Consultation Review by NOAA Fisheries \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Community Forest: Yakima Basin Land Purchase Key Step in Yakima Basin Integrated Plan \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[NOAA Awards Funding for Coastal Habitat Restoration Projects \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson \(TWR #118, Dec. 15, 2013\)](#)

[ESA Settlement by Karuk Tribe & Irrigation District: Dams & Diversions on Shasta River \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

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[Watershed Planning Implementation and Flow Achievement: Washington Grant Cycle \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Authors' Responses: Yakima River Basin Integrated Plan \(TWR #135: May 15, 2015\)](#)

[Agriculture Conservation: USDA Regional Conservation Partnership Announced \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Habitat Conservation Plan \(HCP\) for Edwards Aquifer in Texas - Review Released \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[Reservoir Release in Colorado - Lease Agreement for Instream Flow to Benefit Endangered Fish \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley \(TWR #140: Oct. 15, 2015\)](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

[Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon \(TWR #141: Nov. 15, 2015\)](#)

- Oregon Forestry Sets Riparian Buffers for Temperature Requirements (TWR #141, Water Briefs: Nov. 15, 2015)
- Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)
- State of the Sound Report Released in Washington (TWR #142, Water Briefs: Dec. 15, 2015)
- Stormwater Policy in California: New Strategy Considered (TWR #142, Water Briefs: Dec. 15, 2015)
- Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons (TWR #143: January 15, 2016)
- Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)
- Natural Resource Investment Center Established by Department of Interior (TWR #143, Water Briefs: Jan. 15, 2016)
- Habitat Purchase: Transfer of Land to Tulalip Tribes (TWR #144, Water Briefs: Feb. 15, 2016)
- National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)
- Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)
- Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)
- CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)
- Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)
- Suction Dredging Moratorium Upheld in Oregon (TWR #146, Water Briefs: April 15, 2016)
- Columbia Basin Salmon BiOp Rejected by Federal Court: Fed Plan Invalidated for Fifth Time - ESA & NEPA Violated (TWR #146, Water Briefs: April 15, 2016)

HABITAT IMPROVEMENTS:

- Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)
- State of the Sound Report Released in Washington (TWR #142, Water Briefs: Dec. 15, 2015)
- Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)
- Habitat Purchase: Transfer of Land to Tulalip Tribes (TWR #144, Water Briefs: Feb. 15, 2016)
- Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

[HANFORD SUPERFUND SITE:](#)

[Washington Water Regulation: New Department of Ecology Director Jay Manning, Interview by David C. Moon, Editor \(TWR #23, Jan. 15, 2006\)](#)

[Hanford Settlement Between US and Washington: Groundwater Analysis and Environmental Review \(TWR #24, Water Briefs: February 15, 2006\)](#)

[Hanford Site Five-Year CERCLA Review \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Hanford Contamination Lawsuit: Washington Sues DOE Over Cleanup Failure \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre \(TWR #114: August 15, 2013\)](#)

[HATCHERY/WILD FISH and HATCHERIES:](#)

[Endangered Species Act, Salmon & Western Water Law by Glenn Spain \(TWR #1: March 15, 2004\)](#)

[Hatchery Fish - Wild Fish Controversy: NOAA Draft Policy \(TWR #3, Water Briefs: May 15, 2004\)](#)

[Hatchery Fish/ Wild Fish Update: New Hatchery Policy Released \(TWR #4, Water Briefs: June 15, 2004\)](#)

[Hatchery Reform - Northwest Power and Conservation Council \(TWR #6, Water Briefs: Aug. 15, 2004\)](#)

[Federal Hatchery Policy - NMFS Call for Comments \(TWR #9, Water Briefs: Nov. 15, 2004\)](#)

[Hatchery Fish/Wild Fish Ruling: Remand to NMFS \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[NOAA Hatchery Policy and Listing Determinations \(TWR #17, Water Briefs: July 15, 2005\)](#)

[Salmon Fishing Case Appealed to 9th Circuit \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Native & Non-Native Fish: USGS Study \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Hatchery Salmon/Wild Salmon: 9th Circuit Decision Upholds Federal Regulations \(TWR #30, Water Briefs: August 15, 2006\)](#)

[Hatchery Fish/Wild Fish Ruling: ESA Listings Valid \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Hydropower and Fish - Northwest Challenge: Keeping Fish and Clean Hydro by F. Lorraine Bodi and Dulcy Mahar \(TWR #47: January 15, 2008\)](#)

[Columbia Basin Fish Accords Signed \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Treaty Tribes & Hatcheries by Alan C. Stay \(TWR #99: May 15, 2012\)](#)

[Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whychus Creek by Pamela Thalacker \(TWR #101: July 15, 2012\)](#)

[Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi \(TWR #104: Oct. 15, 2012\)](#)

[Hatchery v. Wild Fish: ESA/NEPA Decision in Oregon Federal District Court \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Hatchery v. Wild Fish Dispute: Settlement Severely Limits Releases \(ESA Evaluation Needed\) \(TWR #123, Water Briefs: May 15, 2014\)](#)

[West Coast ESA Challenges: The View from NOAA Fisheries \(Regional Administrator William Steele's Presentation\) by David Light \(TWR #133: March 15, 2015\)](#)

[“Underground Regulation” — Agency Rulemaking & the California Administrative Procedures Act by Damien Schiff \(TWR #133: March 15, 2015\)](#)

[State of Salmon in Watersheds Report & Interactive Website in Washington State \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

[Transboundary Cooperation in the International Columbia River Basin: A Preliminary Assessment of Existing Arrangements & Future Prospects \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[HAWAII WATER LAW AND WATER QUALITY:](#)

[Wastewater Innovation: Reuse & Energy System Honored in Hawaii \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Western States' Water Planning: The Best Laid Plans - Water Planning in Uncertain Times by Janet Neuman \(TWR #99: May 15, 2012\)](#)

[Stormwater Penalty: Hawaii Department of Transportation Agrees to Settlement for Violations \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[HAZARDOUS WASTE:](#)

[Criminal Sentence in Hazardous Waste Case \(TWR #15, Water Briefs: May 15, 2005\)](#)

[Hazardous Waste - California CERCLA Settlement \(TWR #21, Water Briefs: Nov. 15, 2005\)](#)

[EPA Rule Finalized: Wastewater Treatment Exemptions for Hazardous Waste \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[Hazardous Waste Injection Approved by EPA \(TWR #40, Water Briefs; June 15, 2007\)](#)

[HAZWASTE Cleanup: EPA To Distribute \\$1.79 Billion From Largest Ever Enviro-Bankruptcy \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Hydraulic Fracturing Debate: The Long and Winding Road Towards Regulation by Bruce Baizel \(TWR #90: August 15, 2010\)](#)

[WALMART Pleads Guilty to CWA, FIFRA, & RCRA Violations \(TWR #112, Water Briefs: June 15, 2013\)](#)

EPA Enforcement & Compliance Report Issued for 2013 (TWR #120, Water Briefs: Feb. 15, 2014)

Superfund Cleanup in Humboldt Bay Pulp Mill Site in California (TWR #123, Water Briefs: May 15, 2014)

Duwamish Cleanup: Superfund Final Plan in Seattle Waterway (TWR #130: Water Briefs, Dec. 15, 2014)

EPA Enforcement and Compliance Report for 2015 Released (TWR #143, Water Briefs: Jan. 15, 2016)

HEADGATE:

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

HEAD PRESSURE:

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

HEADWATERS MANAGEMENT:

Improving the Federal Response to Drought: Five Areas for Reform - PPIC Water Policy Center Report (TWR #144, Water Briefs: Feb. 15, 2016)

HEALTH & SAFETY PROVISIONS:

Local Land Use Decisions & Water Supply Considerations: New Rules from the Washington Supreme Court by Dave Monthie (TWR #102: August 15, 2012)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Fish Consumption: FDA & EPA Issue Updated Draft Advice (TWR #125, Water Briefs: July 15, 2014)

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

HEARSAY:

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

HEARTH Act:

Tribal Water Leasing: Federal Tribal Land Leasing Laws Should Be Extended to Tribal Water Leases by Ryan A. Smith (TWR #125: July 15, 2014)

HEAVY METALS:

Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill (TWR #134: April 15, 2015)

Mining Violations & Clean Water Act Settlement in Idaho (TWR #137, Water Briefs: July 15, 2015)

Steam Electric Plants Toxic Pollutants Discharges: Rule Finalized by EPA (TWR #140, Water Briefs: Oct. 15, 2015)

Clean Watersheds Needs Survey Released by EPA (TWR #144, Water Briefs: Feb. 15, 2016)

Office of Inspector General's Report on EPA's Actions & Decision on Alaska's Bristol Bay Watershed (TWR #144, Water Briefs: Feb. 15, 2016)

Fracking Spills in North Dakota: Duke University Study on Widespread Water & Soil Contamination (TWR #146, Water Briefs: April 15, 2016)

HERBICIDES:

Water Planning & Uncertainty: Colorado Perspectives - An Update From the Colorado Water Congress' Annual Meeting by Shrier (TWR #61: March 15, 2009)

FIFRA Violations Settlement in Idaho: Herbicide Applications (TWR #63, Water Briefs: May 15, 2009)

Roundup/Glyphosate Classified "Carcinogenic" by California's EPA (TWR #140, Water Briefs: Oct. 15, 2015)

Herbicide Disapproval: EPA Seeks Revocation of Enlist Duo (TWR #142, Water Briefs: Dec. 15, 2015)

HIERARCHY OF RIGHTS:

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

"HIGHERORITY":

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

HIGH FLOW EXPERIMENT:

Colorado River Management: Planning, Agreeing & Acting by Ted Kowalski (TWR #107: January 15, 2013)

High Flow Release: Glen Canyon Dam Innovative Protocol to Mimic Flood Conditions (TWR #129: Water Briefs, Nov. 15, 2014)

HIGH PLAINS AQUIFER (see also Ogallala Aquifer):

High Plains Aquifer (Ogallala) Depletion Detailed - Unsustainable Agriculture Use of Groundwater (TWR #115, Water Briefs: Sept. 15, 2013)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

HIGH RISK/LOW CHANCE:

Crude Oil-By-Rail & the Endangered Species Act: Coming Soon to Train Tracks Near You? by Kristen L. Boyles (TWR #136: June 15, 2015)

"HISTORICAL BENEFICIAL CONSUMPTIVE USE":

Water Right Nonuse: Historical Beneficial Consumptive Use in Change Proceedings in Colorado (TWR #133, Water Briefs: March 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones (TWR #138, August 15, 2015)

Rio Grande Lawsuit: WildEarth Guardians Seek Historical Beneficial Use Accounting for Water Rights (TWR #146, Water Briefs: April 15, 2016)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

HISTORIC/HISTORICAL USE or HISTORICAL RIGHTS:

Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo (TWR #119: Jan. 15, 2014)

Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol (TWR #121: March 15, 2014)

Instream Use Change: irrigation to instream Transfer in Nevada Approved by State Engineer (TWR #122, Water Briefs: April 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Water Right Nonuse: Historical Beneficial Consumptive Use in Change Proceedings in Colorado (TWR #133, Water Briefs: March 15, 2015)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

[Tribal Compact Signed for Confederated Salish and Kootenai Tribes in Montana \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Texas Takings Case: Procedural Rulings - Claims Dismissed \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones \(TWR #138, August 15, 2015\)](#)

[Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons \(TWR #143: January 15, 2016\)](#)

[Rio Grande Lawsuit: WildEarth Guardians Seek Historical Beneficial Use Accounting for Water Rights \(TWR #146, Water Briefs: April 15, 2016\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

[AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein \(TWR #146: April 15, 2016\)](#)

HOLD HARMLESS CLAUSE:

[Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons \(TWR #143: January 15, 2016\)](#)

HOMELAND (Purpose of Reservation):

[The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon \(TWR #134: April 15, 2015\)](#)

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

HOMESTEAD ACT:

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

-

HORIZONTAL WELLS:

["Hydraulic Fracturing Water Use Variability in the United States and Potential Environmental Implications" - USGS \(TWR #137, Water Briefs: July 15, 2015\)](#)

HUMAN ENVIRONMENT:

Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson (TWR #118, Dec. 15, 2013)

HUMAN HEALTH:

Human Health Water Quality Criteria Updated by EPA (TWR #124, Water Briefs: June 15, 2014)

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

Fish Consumption Rate: Water Quality Standards Proposed in Washington State (TWR #128, Water Briefs, Oct. 15, 2014)

Fish Consumption Rate in Washington: EPA Proposes Human Health Criteria Rule (TWR #139, Water Briefs: Sept. 15, 2015)

HYDRAULIC APPLICATION:

FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding (TWR #140: Oct. 15, 2015)

HYDRAULIC CONNECTION, HYDROLOGIC CONNECTION or HYDRAULIC CONTINUITY (see also CONJUNCTIVE USE):

Northwest Water Banking: Meeting Instream and Out of Stream Water Needs in the Pacific Northwest by Cronin & Fowler (TWR #102: August 15, 2012)

Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert (TWR #107: January 15, 2013)

Texas v. New Mexico - Texas Sues Over Water Deliveries Under the Rio Grande Compact (U.S. Supreme Court) (TWR #107, Water Briefs: January 15, 2013)

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

Republican River Special Master's Report Issued: *Kansas v. Nebraska and Colorado* (TWR #118, Water Briefs: Dec. 15, 2013)

New Mexico Response Filed to U.S. Motion to Intervene: *Texas v. New Mexico* (TWR #122, Water Briefs: April 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

Clean Water Act Citizen Suit in Colorado - South Platte Pollution (TWR #125, Water Briefs: July 15, 2014)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

[USFS Groundwater Directive: Western Governors' Ass'n Submits Commits Regarding Implications \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond \(TWR #130: Dec. 15, 2014\)](#)

[Republican River Compact Decision - Kansas v. Nebraska: The Supreme Court's Equitable Powers by David Moon \(TWR #133: March 15, 2015\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

[Groundwater Adjudication: Legislative Reform Passed in California \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[War and Peace Over the Niobrara River by Don Blankenau \(TWR #142: Dec. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug \(TWR #143: January 15, 2016\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

[HYDRAULIC FRACTURING \(see "Fracking"\):](#)

[HYDRAULIC SCOUR:](#)

[California's Freshwater Nutrient Numeric Endpoint \(NNE\) Approach: Re-evaluating the Santa Margarita River Case Study by Thomas, Gindlesperger & Barnard \(TWR #115: Sept. 15, 2013\)](#)

[HYDRIC SOILS:](#)

[Wetlands Restoration: New Re-Excavation Method Successful According to Texas A&M AgriLife Extension Service \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

HydroBase Tool:

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

HYDROGEOLOGY:

Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

HYDROLOGIC BENEFIT:

Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

HYDROLOGIC CYCLE:

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

HYDROLOGICALLY CONNECTED (see also above HYDRAULICALLY CONNECTION):

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

"HYDROPEAKING":

"Hydropeaking" Flows Study: Devastating Impacts on Aquatic Insects (TWR #146, Water Briefs: April 15, 2016)

HYDROPHOBIC CONDITIONS:

FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding (TWR #140: Oct. 15, 2015)

HYDROPOWER/HYDROELECTRIC POWER:

[Bonneville Power Proposal to Reduce Spills \(TWR #2, Water Briefs: April 15, 2004\)](#)

[Hydroelectric Project Reauthorization: FERC and Oregon Process by Martha Pagel \(TWR #3: May 15, 2004\)](#)

[Columbia Basin Spills: Tribes Threaten Lawsuit Over BPA Proposal \(TWR #3, Water Briefs: May 15, 2004\)](#)

[Klamath Tribes Sue PacifiCorp: \\$1 Billion + Lawsuit Over Fishery Loss \(TWR #4, Water Briefs: June 15, 2004\)](#)

[FERC and Forest Service Sued in Hydropower License Dispute \(TWR #4, Water Briefs: June 15, 2004\)](#)

[BPA Summer Spill Decision - Tribes Prepare Litigation Contesting \(TWR #5, Water Briefs: July 15, 2004\)](#)

[FERC Compelled to Respond - Hells Canyon Hydropower Complex \(TWR #5, Water Briefs: July 15, 2004\)](#)

[BPA Spill Controversy - 9th Circuit Compels Spill for Fishery \(TWR #6, Water Briefs: Aug. 15, 2004\)](#)

[Hydroelectric Settlement - Fish Passage \(TWR #6, Water Briefs: Aug. 15, 2004\)](#)

[NOAA Columbia-Snake Draft Strategy \(TWR #7, Water Briefs: Sept. 15, 2004\)](#)

[FERC Hydropower Rule - Comments and Controversy \(TWR #8, Water Briefs: Oct. 15, 2004\)](#)

[FERC Relicensing: Klamath River - KWUA Motion to Intervene \(TWR #9, Water Briefs: Nov. 15, 2004\)](#)

[NOAA BiOp - Columbia and Snake Rivers \(TWR #10, Water Briefs: Dec. 15, 2004\)](#)

[Hydroelectric Relicensing and the Clean Water Act by David C. Moon \(TWR #12: Feb. 15, 2005\)](#)

[Endangered Species Act Update: Summary of the 12th Annual ESA Conference by Greg D. Corbin \(TWR #12: Feb. 15, 2005\)](#)

[Conan the Riparian - Tribes Rally for Salmon \(TWR #14, Water Briefs: April 15, 2005\)](#)

[Salmon Spill Order Upheld by 9th Circuit \(TWR #18, Water Briefs: August 15, 2005\)](#)

[Columbia River BiOps Order and Upper Snake Case \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Klamath FERC: Dam Removal and Irrigators' Power Rates \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Dam Removal Proposal: FERC and Sediment Impact and Water Quality \(TWR #21, Water Briefs: Nov. 15, 2005\)](#)

[Hydropower Licenses: Expedited FERC Hearings \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[Reclamation Study: Potential Hydroelectric and Water Supply Projects in the Western United States \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[Hydropower Rules: Lawsuit Opposing New Rules Filed \(TWR #23, Water Briefs: Jan. 15, 2006\)](#)

[Fish Passage Prescribed in Klamath Hydro Relicensing Proceeding \(NOAA Fisheries and Dept. of Interior\) \(TWR #26, Water Briefs: April 15, 2006\)](#)

[Hydropower Relicensing: Fish Passage Proposal by PacifiCorp \(TWR #27, Water Briefs: May 15, 2006\)](#)

[State Authority & Hydropower: Supreme Court Affirms State Authority \(*S.D. Warren v. Maine*\) by Richard M. Glick \(TWR #28, June 15, 2006\)](#)

[Hydroelectric Relicensing Decision: Skokomish Case Limits FERC Authority by David Moon \(TWR #31; September 15, 2006\)](#)

[Klamath Hydroelectric Relicensing: Fish Passage and FERC \(TWR #32, Water Briefs: October 15, 2006\)](#)

[The Colorado River: New Operational Guidelines for Lake Powell and Lake Mead by Fulp, Yoder & Blatchford \(TWR #33: Nov. 15, 2006\)](#)

[Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources \(TWR #34: December 15, 2006\)](#)

[Klamath Dams - Agency Fish Passage Mandates Finalized \(TWR #36, Water Briefs: February 15, 2007\)](#)

[Aging Dams and Mitigation Credits: Converting Fixed Liabilities Into Liquid Assets by James G. Workman \(TWR #37: March 15, 2007\)](#)

[Interstate Water Allocation by Christopher H. Meyer, Givens Pursley LLP \(Boise, Idaho\) \(TWR #42: August 15, 2007\)](#)

[Toxic Discharges from Dams: Clean Water Act & Nuisance Lawsuits \(Klamath River\) \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Water Quality Standards & Hydropower Dams: Finding Concrete Solutions by Rebecca Sherman, Brett Swift and Rick Eichstaedt \(TWR #45, Nov. 15, 2007\)](#)

[Errata/Addition: Hydropower & Water Quality Article \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Hydropower and Fish - Northwest Challenge: Keeping Fish and Clean Hydro by F. Lorraine Bodi and Dulcy Mahar \(TWR #47: January 15, 2008\)](#)

[FERC Hydropower Relicensing: First Integrated Licensing Process \(ILP\) License Issued \(TWR #47, Water Briefs: January 15, 2008\)](#)

[Klamath Settlement: Dams Removal Sought \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Klamath Basin Restoration Agreement: A Convergence of Opportunity by Paul Simmons \(TWR #49: March 15, 2008\)](#)

[Columbia Basin Fish Accords Signed \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Salmon Protection in Northwest: Columbia/Snake River Latest BiOps Released \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Water Quality Ruling on Authority of California & FERC - Klamath Dams \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Battle Creek Salmon & Steelhead Restoration Project Funded by Bureau of Reclamation \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell \(TWR #56: October 15, 2008\)](#)

[Hydroelectric Relicensing and Tribal Religious Claims: FERC's Increase of Minimum Flows Upheld by David C. Moon \(TWR #58: December 15, 2008\)](#)

[Hydro Project Settlement: Tacoma Power & Skokomish Tribal Nation Reach Detailed Agreement \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Dams & Temperature MOU Addresses Spokane River Hydro Issues for Washington, Idaho and Coeur d'Alene Tribe \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Columbia River BiOp: Fed Plan for Hydropower System Argue ESA Requirements \(TWR #61, Water Briefs: March 15, 2009\)](#)

[Idaho Power Water Settlement: Swan Falls Agreement Reaffirmed \(TWR #62, Water Briefs: April 15, 2009\)](#)

Litigation on the Colorado River: Conflicts in Search of Solutions by Michael Gheleta (TWR #67: September 15, 2009)

Instream Water Right Transfer - Dam Removal & Power Right (TWR #67, Water Briefs: Sept. 15, 2009)

Klamath Dam Removal: Klamath Hydroelectric Settlement Agreement Announced (TWR #68, Water Briefs: Oct. 15, 2009)

Klamath Settlement Agreements: Charting a New Direction by Glen Spain (TWR #70: Dec. 15, 2009)

Klamath Settlement Agreements: Part II by Glen Spain (TWR #71: Jan. 15, 2010)

Tribal Instream Rights: Important Settlement Reached on Klamath Basin Challenges by Douglas MacDougal (TWR #78: Aug. 15, 2010)

US Hydropower Development - US Departments of Energy, the Interior, and the Army Assessing and Promoting Federal Hydropower Development by Sensiba & Wood (TWR #78: Aug. 15, 2010)

Small Hydroelectric Agreement - Colorado & FERC Enter Into MOU (TWR #79, Water Briefs: Sept. 15, 2010)

Regional Water Supply: Washington's Dept. of Ecology Approves Water Rights (TWR #80, Water Briefs: Oct. 15, 2010)

Hydropower Potential: Bureau of Reclamation Facilities Report (TWR #81, Water Briefs: Nov. 15, 2010)

Bureau of Reclamation Update: Interview with Reclamation Commissioner Mike Connor by David Moon (TWR #82: Dec. 15, 2010)

Hydropower/Electricity: DOI Assessment Report at Reclamation Facilities (TWR #86, Water Briefs: April 15, 2011)

Aquatic Ecosystems: EPA Proposed Protection Standards (TWR #86, Water Briefs: April 15, 2011)

Fully Appropriated: Nebraska Supreme Court Decision Impacts Surface & Groundwater Regulation (TWR #89, Water Briefs: July 15, 2011)

BiOp Rejected Again: Columbia River Plan Found Arbitrary & Capricious (Specific Mitigation Plan Not Identified) (TWR #90, Water Briefs: August 15, 2011)

Tribal Interests, Instream Flows & Hydropower Licensing: Using the Licensing Process to Address Tribal Concerns by Mason Morisset (TWR #92: Oct. 15, 2011)

Klamath Dam Removal: Removal Studies Released by Department of Interior (TWR #92, Water Briefs: Oct. 15, 2011)

Draft Columbia River Basin Long-Term Water Supply and Demand Forecast Released by Ecology (TWR #92, Water Briefs: Oct. 15, 2011)

Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey (TWR #97: March 15, 2012)

Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whychus Creek by Pamela Thalacker (TWR #101: July 15, 2012)

The Columbia River, Basin, and Treaty: Upcoming Treaty Date is Focussing Basin Water Management Issues by Stan Miller (TWR #101: July 15, 2012)

Request for Water 2012: Pilot Leasing Program in Colorado (TWR #102, Water Briefs: August 15, 2012)

Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi (TWR #104: Oct. 15, 2012)

[The Future of the Columbia River Treaty by Nigel Bankes, University of Calgary & Barbara Cosens \(TWR #105: Nov. 15, 2012\)](#)

[WaterSMART Update \(TWR #105: Nov. 15, 2012\)](#)

[Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson \(TWR #106: Dec. 15, 2012\)](#)

[Colorado River Management: Planning, Agreeing & Acting by Ted Kowalski \(TWR #107: January 15, 2013\)](#)

[*The Colorado River Basin Water Supply and Demand Study* Released by Reclamation \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Klamath Restoration Agreement - Settlement Extended \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Klamath Dam Removal Overview Report \(Interior\): An Assessment of Science and Technical Information Released \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[The "Fill Mead First" Proposal: Potential Legal Issues Under the Law of the River by Lawrence J. MacDonnell \(TWR #112: June 15, 2013\)](#)

[At the Water-Energy Nexus: Renewable Energy from In-Conduit Hydropower by Jennifer Allen Newton \(TWR #112: June 15, 2013\)](#)

[Acquavella Update: Washington's 36-Year Old Water Rights Adjudication Nears An End by Jeff Kray \(TWR #115: Sept. 15, 2013\)](#)

[Hydropower Rights Battle in Nebraska: Forfeiture and Abandonment Asserted by Groundwater Irrigators \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Columbia River Treaty Update: Draft Regional Recommendation Released \(TWR #116: Oct. 15, 2013\)](#)

[Energy-Water Nexus: The Water Sector's Energy Use & the Energy Sector's Water Use \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Columbia River Treaty Review: Update & Next Steps \(From the US Entity\) - Special to The Water Report \(TWR #117, Nov. 15, 2013\)](#)

[*Cumulative Watershed Impacts of Small-Scale Hydroelectric Projects in Irrigation Delivery Systems: A Case Study* \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Klamath Basin Coordinating Council Releases Third Annual Report \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Federal Power Act Preempts Damage Claims Under State Tort Law - Fifth Circuit Ruling \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service \(TWR #118, Dec. 15, 2013\)](#)

[Cooling Water Intakes: EPA Standards Finalized \(TWR #124, Water Briefs: June 15, 2014\)](#)

[The Columbia River Treaty: September 16 Pivot Point for the Future of the Columbia River Basin by Eric Christensen \(TWR #125: July 15, 2014\)](#)

[Dam Pollution Settlement: Oil Leakage at Columbia & Snake River Dams and the Clean Water Act \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer \(TWR #127: Sept. 15, 2014\)](#)

[High Flow Release: Glen Canyon Dam Innovative Protocol to Mimic Flood Conditions \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

In-Pipe Hydropower: Portland's System Secures 20-Year Power Purchase Agreement by Jennifer Allen Newton (TWR #132: Feb. 15, 2015)

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

Water Resource Issues in the 114th Congress-Congressional Research Service Report (TWR #133, Water Briefs: March 15, 2015)

Agriculture Conservation: USDA Regional Conservation Partnership Announced (TWR #135, Water Briefs: May 15, 2015)

Small Scale Hydropower & Ditch Easements: Colorado Decision Applies "No Injury Rule" and Maximum Use by David Moon (TWR #136: June 15, 2015)

Colorado River *Moving Forward Phase 1 Report* Released by Reclamation & Stakeholders (TWR #136, Water Briefs: June 15, 2015)

Fish Passage Award for Innovation Received by Tacoma Power (TWR #136, Water Briefs: June 15, 2015)

In-Conduit Hydropower Projects in California and Oregon (TWR #137, Water Briefs: July 15, 2015)

Reservoir Release in Colorado - Lease Agreement for Instream Flow to Benefit Endangered Fish (TWR #139, Water Briefs: Sept. 15, 2015)

Sustainable Water Use: Historic Purchase to Preserve Basin Integrity (TWR #140, Water Briefs: Oct. 15, 2015)

Tribal Hydro: Salish and Kootenai Tribes - First Tribe-Owned Hydro Project (TWR #140, Water Briefs: Oct. 15, 2015)

Water & Power: Reclamation Science & Technology Development Projects (TWR #141, Water Briefs: Nov. 15, 2015)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons (TWR #143: January 15, 2016)

Klamath Dams Removal: New Agreement Announced to Move Forward With Klamath Hydroelectric Settlement Agreement (TWR #144, Water Briefs: Feb. 15, 2016)

Prioritizing Management & Protection of the Colorado River's Environmental Resources - Colorado River Research Group (TWR #145, Water Briefs: March 15, 2016)

Columbia River Treaty: Canadian Negotiation Commitment Received from Prime Minister Trudeau (TWR #146, Water Briefs: April 15, 2016)

Dam Removal: New Klamath River Agreements Signed (TWR #146, Water Briefs: April 15, 2016)

"Hydropeaking" Flows Study: Devastating Impacts on Aquatic Insects (TWR #146, Water Briefs: April 15, 2016)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

Tribal Water Lease in Idaho: Storage Rights to Mitigate for Groundwater Use (TWR #148, Water Briefs: June 15, 2016)

ICH (Ichthyophthirius multifiliis):

Flow Augmentation Releases (Trinity Reservoir): Reclamation Releases for Salmon Protection Lower Klamath River (TWR #128, Water Briefs, Oct. 15, 2014)

Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases (TWR #128, Water Briefs, Oct. 15, 2014)

Water Released for Salmon by Reclamation - Injunction by Irrigation Districts Denied (TWR #139, Water Briefs: Sept. 15, 2015)

IDAHO WATER LAW and WATER QUALITY:

Snake River Adjudication - Wild & Scenic Water Rights Settled (TWR #7, Water Briefs: Sept. 15, 2004)

Idaho Groundwater Settlement - Purchase of Surface Rights (TWR #9, Water Briefs: Nov. 15, 2004)

Conjunctive Administration on the Eastern Snake River Plain by Phillip J. Rassier (TWR #10: Dec. 15, 2004)

Ground Water Right Transfers in the Snake River Plain, Idaho by Johnson, Harris, Contor and Cosgrove (TWR #10: Dec. 15, 2004)

Surface Water Users "Call" on Groundwater Rights in Idaho (TWR #12, Water Briefs: Feb. 15, 2005)

Nez Perce Settlement - Idaho (TWR #14, Water Briefs: April 15, 2005)

Idaho Conjunctive Use Order by David C. Moon (TWR #15: May 15, 2005)

Snake River Adjudication: The Nez Perce Agreement by Jerry R. Rigby (TWR #18: August 15, 2005)

UST Inspections: Statewide EPA Results for Idaho (TWR #23, Water Briefs: Jan. 15, 2006)

Aquifer Recharge: Eastern Snake Plain Aquifer Assessments Funded (TWR #34, Water Briefs: December 15, 2006)

Idaho Conjunctive Use: Idaho Supreme Court Upholds Conjunctive Water Rights Administration Rules by Jeff Fereday (TWR #40, June 15, 2007)

Water Delivery - Canals, Ditches and Pipelines: The Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton (TWR #41: July 15, 2007)

Interstate Water Allocation by Christopher H. Meyer (TWR #42: August 15, 2007)

Groundwater Regulations: Idaho DWR Orders Curtailment (TWR #41, Water Briefs: July 15, 2007)

Conjunctive Use - Idaho Decision on "Call" of Water (TWR #48, Water Briefs: February 15, 2008)

Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer (TWR #50: April 15, 2008)

Wetlands Enforcement: Clean Water Act Settlement in Idaho (TWR #51, Water Briefs: May 15, 2008)

Idaho Water Law: Update from Coeur d'Alene Conference by David Moon (TWR #52: June 15, 2008)

Idaho Water Law Clarification (TWR #53, Water Briefs: July 15, 2008)

[Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell \(TWR #56: October 15, 2008\)](#)

[Groundwater Recharge Funding Approved by Idaho Water Board \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Final Sediment Evaluation Framework \(SEF\) for the Pacific Northwest: CORPS' Draft Framework Comment Period \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Dams & Temperature MOU Addresses Spokane River Hydro Issues for Washington, Idaho and Coeur d'Alene Tribe \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Wetlands Enforcement in Idaho: Restoration Ordered by EPA \(TWR #61, Water Briefs: March 15, 2009\)](#)

[Idaho Power Water Settlement: Swan Falls Agreement Reaffirmed \(TWR #62, Water Briefs: April 15, 2009\)](#)

[Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro \(TWR #63: May 15, 2009\)](#)

[Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge \(TWR #64: June 15, 2009\)](#)

[Idaho Transfers: An Update on Idaho's Water Transfer Policies and Issues by Michael C. Creamer \(TWR #65: July 15, 2009\)](#)

[Conjunctive Use Decision in Idaho: Futile Calls and Seasonal Variability \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Aquifer Recharge of Eastern Snake Plain Aquifer in Idaho: Total Recharge Over 103,000 Acre-Feet \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Snake River Basin Adjudication: Lessons Learned by Eric J. Wildman \(TWR #68: Oct. 15, 2009\)](#)

[Evapotranspiration Mapping - Idaho Innovation Receives Award \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Stormwater Penalties Issued Against Idaho Dept. of Transportation \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[New Era of Interbasin Water Transfers by Barbara Cosens \(TWR #72: Feb. 15, 2010\)](#)

[Municipal Water Rights & the Growing Communities Doctrine: Development, Codification & Application by Christopher H. Meyer \(TWR #73: March 15, 2010\)](#)

[Northwest Water Marketing: Re-Allocating Water in the Pacific Northwest by Richard A. Slaughter \(TWR #77: July 15, 2010\)](#)

[CAFO Discharges in Idaho \(EPA Order - Simplot Cattle Feeding Company \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Phosphorus Removal: Boise Proposes Innovative Offset Project \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Water Rights & Grazing Activities on BLM Land: Decision Overturns Bush Administration Regulations \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Clean Water Act Complaint in Idaho: Fish Farm Violations \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Key Tribal Water Developments in the Pacific Northwest by Duane Mecham \(TWR #83: Jan. 15, 2011\)](#)

[Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde \(TWR #83: Jan.](#)

15, 2011)

Key Tribal Water Developments in the Pacific Northwest by Duane Mecham (TWR #83: Jan. 15, 2011)

Conjunctive Use Decisions: Applying the Prior Appropriation Doctrine to Groundwater Use by David Moon (TWR #86: April 15, 2011)

Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates (TWR #88: June 15, 2011)

Pilot Program for Managed Recharge on the Eastern Snake Plain Aquifer in Idaho (TWR #96, Water Briefs: Feb. 15, 2012)

Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi (TWR #104: Oct. 15, 2012)

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

Idaho Waters Digital Library - New Version Released (TWR #111, Water Briefs: May 15, 2013)

Joint Regional Agreement on Best Practices for Water Quality Trading in Idaho, Oregon and Washington (TWR #113, Water Briefs: July 15, 2013)

Small Dam Removal in Idaho: Programmatic Consultation Review by NOAA Fisheries (TWR #116, Water Briefs: Oct. 15, 2013)

Groundwater/Surface Water Exchange Agreement Signed: Reclamation & Irrigation District (TWR #116, Water Briefs: Oct. 15, 2013)

Fish Consumption Rates: Idaho DEQ Implementing Statewide Survey for Water Quality Criteria (TWR #123, Water Briefs: May 15, 2014)

Northwest Water Quality Trading: Joint Recommendations in the Pacific Northwest by Sanneman, Cochran, Culliney, Furia, Power & Wigington (TWR #125: July 15, 2014)

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Water Quality Trading: States' Pilot Projects and Recommendations (TWR #127, Water Briefs: Sept. 15, 2014)

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmén (TWR #129: Nov. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Evan Mortimer & David R. Tuthill (TWR #129: Nov. 15, 2014)

Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)

Mining Violations & Clean Water Act Settlement in Idaho (TWR #137, Water Briefs: July 15, 2015)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Transboundary Cooperation in the International Columbia River Basin: A Preliminary Assessment of Existing Arrangements & Future Prospects

(TWR #142, Water Briefs: Dec. 15, 2015)

Aquifer Recovery in Idaho: Governor's Budget Provides Funding to Reverse Decline of Idaho Aquifer Levels (TWR #144, Water Briefs: Feb. 15, 2016)

Columbia Basin Salmon BiOp Rejected by Federal Court: Fed Plan Invalidated for Fifth Time - ESA & NEPA Violated (TWR #146, Water Briefs: April 15, 2016)

Tribal Water Lease in Idaho: Storage Rights to Mitigate for Groundwater Use (TWR #148, Water Briefs: June 15, 2016)

ILLEGAL DIVERSIONS or USE:

Marijuana & Water Use: Illegal Farms Impact Coho Salmon in Northern California & Southern Oregon (TWR #128, Water Briefs, Oct. 15, 2014)

Illegal Irrigation in Washington Results in Penalty: Excessive Watering & Numerous Warnings (TWR #145, Water Briefs: March 15, 2016)

IMPACT FEES:

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

"IMPAIRMENT" STANDARD (see also "No Injury" Rule):

Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie (TWR #89: July 15, 2011)

Instream Flows Decision in Washington: Protection from Impairment - Reserved Use Rule (Reservation) Invalid by David Moon (TWR #116: Oct. 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson (TWR #117, Nov. 15, 2013)

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon (TWR #141: Nov. 15, 2015)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

IMPLEMENTATION TOOLS:

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

IMPORTED WATER or IMPORTATION:

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Oral Arguments in *Kansas v. Nebraska and Colorado*: Interstate Compact, Damages & Imported Water (TWR #129: Water Briefs, Nov. 15, 2014)

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

LA's Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan (TWR #141: Nov. 15, 2015)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Tribal Groundwater Case: Water Districts' Equitable Defenses Denied (TWR #145, Water Briefs: March 15, 2016)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

IMPAIRED WATERS:

Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey (TWR #97: March 15, 2012)

California's Freshwater Nutrient Numeric Endpoint (NNE) Approach: Re-evaluating the Santa Margarita River Case Study by Thomas, Gindlesperger & Barnard (TWR #115: Sept. 15, 2013)

Nevada's 303(d) List Show Progress on Impaired Waterways (TWR #146, Water Briefs: April 15, 2016)

INCENTIVES:

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

Urban Water Conservation in Southern California: Encouraging Conservation Through Tradeable Allocations & Market Mechanisms by Bond, Motlow, Steely, Wang & Libecap (TWR #136: June 15, 2015)

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

Drought Proofing in Oklahoma: Water for 2060 (TWR #142, Water Briefs: Dec. 15, 2015)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for

[Development of Robust Water Allocation Systems in the Western United States” by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

[Finding “New Water” in California: Seminar Review & Commentary by Jungreis and Van Ligten \(TWR #144: Feb. 15, 2016\)](#)

[“Quantified Conservation” - Measurement & Tracking of Environmental Outcomes & Impact by The Freshwater Trust \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

[Green Infrastructure Guidance Announced by WRF: Capital Improvement Project Delivery Methods & Incentives \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap \(TWR #148: June 15, 2016\)](#)

[Recommendations for Improving Water Transfers and Access to Water Markets in California \(TWR #148, Water Briefs: June 15, 2016\)](#)

[IN-CHANNEL DIVERSION:](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[INCHOATE WATER RIGHTS:](#)

[Washington’s Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[INCIDENTAL RECHARGE:](#)

[Conjunctive Management of Surface & Ground Water in Idaho \(Public-Private Partnerships\) by Tuthill, Rassier & Anderson \(TWR #108: Feb. 15, 2013\)](#)

[INCIDENTAL TAKE PERMITS:](#)

[USFWS New Regulations on Incidental Take Permits \(TWR #11, Water Briefs: Jan. 15, 2005\)](#)

[Incidental Take Permits - Washington Forest Practices \(TWR #13, Water Briefs: March 15, 2005\)](#)

[ESA Incidental Take Statements by Matt Love and Sam Kalen \(TWR #37: March 15, 2007\)](#)

[ESA Improvement: USFWS & NOAA Fisheries Effort \(TWR #88, Water Briefs: June 15, 2011\)](#)

[ESA Experimental Population: NMFS' First Proposed Designation a Win-Win for Water Users and Steelhead by Filippi & Maag \(TWR #89: July 15, 2011\)](#)

[National Flood Insurance & the Endangered Species Act - National Flood Insurance in a Post-Jeopardy Environment: FEMA's "Reasonable and Prudent Alternative" Implementation for the Puget Sound Biological Opinion by Mark G. Eberlein \(TWR #92: Oct. 15, 2011\)](#)

[Pipeline & the Endangered Species Act - 9th Circuit Decision on ESA & NEPA \(Ruby Natural Gas Pipeline\) \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[Bay Delta Deliveries: Reduced Pumping & Endangered Species Act Issues \(TWR #109, Water Briefs: March 15, 2013\)](#)

[Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge \(TWR #123: May 15, 2014\)](#)

[Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley \(TWR #124: June 15, 2014\)](#)

[Texas Permitting Rules Upheld: Whooping Cranes Lawsuit Reversed \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation by Molly Lawrence \(TWR #131: Jan. 15, 2015\)](#)

[National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch \(TWR #145: March 15, 2016\)](#)

[INCIDENTS ACTION:](#)

[Incident Action Checklists: Emergency Checklists for Utilities Prepared by EPA \(TWR #133, Water Briefs: March 15, 2015\)](#)

[INCOME - AGRICULTURAL:](#)

["The Economic Impacts of Western Irrigated Agriculture" White Paper Released \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde \(TWR #117, Nov. 15, 2013\)](#)

[IN-CONDUIT HYDROPOWER:](#)

[At the Water-Energy Nexus: Renewable Energy from In-Conduit Hydropower by Jennifer Allen Newton \(TWR #112: June 15, 2013\)](#)

[In-Pipe Hydropower: Portland's In-Pipe System Secures 20-Year Power Purchase Agreement by Jennifer Allen Newton \(TWR #132: Feb. 15, 2015\)](#)

[In-Conduit Hydropower Projects in California and Oregon \(TWR #137, Water Briefs: July 15, 2015\)](#)

[INDIAN LANDS:](#)

[Hydraulic Fracturing: Interior's Rule Released for Public & American Indian Lands \(TWR #134, Water Briefs: April 15, 2015\)](#)

[“INDIRECT POTABLE RECHARGE”:](#)

[Finding “New Water” in California: Seminar Review & Commentary by Jungreis and Van Ligten \(TWR #144: Feb. 15, 2016\)](#)

[“INDIRECT RECHARGE”:](#)

[Gila Water Storage: Innovative Banking Creates “Long-Term Storage Credits” - Gila River Water Storage LLC and Christa McJunkin \(TWR #130: Dec. 15, 2014\)](#)

[Finding “New Water” in California: Seminar Review & Commentary by Jungreis and Van Ligten \(TWR #144: Feb. 15, 2016\)](#)

[INDOOR USE:](#)

[WRF Published Water Efficiency Study: Residential End Uses of Water, Version 2 \(2016\) \(TWR #146, Water Briefs: April 15, 2016\)](#)

["INDUSTRIAL ACTIVITY" and INDUSTRIAL USE:](#)

[Conversion of Irrigation Rights to Municipal & Industrial Rights: Legislation, Court Case & Transactions - Lower Rio Grande by Jarvis \(TWR #62: April 15, 2009\)](#)

[New EPA Stormwater Rules Issued on Logging Roads Runoff Just Before Supreme Court Argument \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Missouri River Municipal & Industrial Water Storage Reallocation Study Released by U.S. Army Corps of Engineers \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Proposed Reissuance of NPDES General Permit for Stormwater Discharges From Industrial Activities \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[California's New Industrial Storm Water Permit by Wendy L. Manley, Wendel Rosen Black & Dean, LLP \(TWR #124: June 15, 2014\)](#)

[Gila Water Storage: Innovative Banking Creates “Long-Term Storage Credits” - Gila River Water Storage LLC and Christa McJunkin \(TWR #130: Dec. 15, 2014\)](#)

[Duwamish Cleanup: Superfund Final Plan in Seattle Waterway \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[USGS Water Use Report Released: Withdrawals Dropping \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Speculation & Fracking: Transfer/Change Request Opposed in New Mexico \(TWR #131: Water Briefs, Jan. 15, 2015\)](#)

[Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill \(TWR #134: April 15, 2015\)](#)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

INDUSTRIAL RUNOFF:

Stormwater Permit: Industrial Permit Updated in Washington State (TWR #130: Water Briefs, Dec. 15, 2014)

Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill (TWR #134: April 15, 2015)

Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill (TWR #134: April 15, 2015)

INDUSTRIAL STORMWATER:

Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher (TWR #148: June 15, 2016)

INDUSTRIAL WASTE:

Industrial Waste & Wastewater: EPA Issues Civil Penalty to Food Processing Company in Kansas (TWR #84, Water Briefs: Feb. 15, 2011)

Industrial Stormwater Permitting: Status and Trends in Western States by Gregg Bryden (TWR #98: April 15, 2012)

INELASTIC USES:

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

INFILTRATION BASINS:

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)

Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill (TWR #134: April 15, 2015)

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

INFILTRATION & INFILTRATION RATES:

Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheaume (TWR #139, Sept. 15, 2015)

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

INFRASTRUCTURE:

Balancing Resource Protection & Economic Development: An Early Assessment of Emerging Water Policies in the Obama Administration by Sensiba & Swenson (TWR #66: August 15, 2009)

Water Resources & Environment - Legislative Update from Washington, D.C.: Conversations with Ryan C. Seiger, Staff Director for the US House Subcommittee on Water Resources & Environment by Joan Card (TWR #80: Oct. 15, 2010)

EPA issues Clean Water & Drinking Water Infrastructure Sustainability Policy (TWR #80, Water Briefs: Oct. 15, 2010)

Clean Water and Drinking Water Infrastructure Sustainability Policy Released by EPA (TWR #81, Water Briefs: Nov. 145, 2010)

Bureau of Reclamation Update: Interview with Reclamation Commissioner Mike Connor by David Moon (TWR #82: Dec. 15, 2010)

Wyoming Streamflow Restoration: History, Update & Current Strategies by Scott Yates (TWR #86: April 15, 2011)

Sustainable Water Use: Invisioning a Sustainable Water Future for the American West by Barton "Buzz" Thompson (TWR #87: May 15, 2011)

Water Infrastructure Investments Needed: Western Governor's Association Report (TWR #90, Water Briefs: August 15, 2011)

Urban Water Quality: New EPA Planning Process - Prioritized Approach (TWR #94, Water Briefs: Dec. 15, 2011)

Negotiating Indian Water Rights Claims: 12th Biennial Symposium on the Settlement of Indian Reserved Water Rights by Killoren (TWR #95: Jan. 15, 2012)

Colorado River Basin Irrigation: The Future of Irrigation Organizations in the Colorado River Basin by Dr. Ron Griffin and Mary Kelly (TWR #95: Jan. 15, 2012)

America's Drinking Water Infrastructure Challenge: AWWA Study (TWR #97, Water Briefs: March 15, 2012)

Infrastructure Funding of \$50 Million Announced by Interior (TWR #97, Water Briefs: March 15, 2012)

Green Stormwater Infrastructure/Implementation Needs: Clean Water America Alliance's National Survey Results (TWR #99, Water Briefs: May 15,

2012)

Water Utilities Report by Black & Veatch: *Strategic Directions in the U.S. Water Utility Industry* (TWR #101, Water Briefs: July 15, 2012)

Dewatering, Monitoring & Remediation Plans: Refinery Plume Migration & Groundwater Treatment System (CO)(TWR #102, Water Briefs: August 15, 2012)

US-Mexico Border Water Infrastructure Program's Annual Report for 2011 Issued by EPA (TWR #102, Water Briefs: August 15, 2012)

Privatization: "Private Equity, Public Inequity: The Public Cost of Private Equity Takeovers of U.S. Water Infrastructure" (TWR #103, Water Briefs: Sept. 15, 2012)

Army Corps Infrastructure: Management of Aging Systems (National Research Council Report) (TWR #104, Water Briefs: Oct. 15, 2012)

Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie (TWR #105: Nov. 15, 2012)

Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert (TWR #107: January 15, 2013)

California's Water Market, By the Numbers, Update 2012 (TWR #107, Water Briefs: January 15, 2013)

Failure to Act: *The Impact of Current Infrastructure Investment on America's Economic Future* - ASCE Report (TWR #108, Water Briefs: Feb. 15, 2013)

Bay Delta Deliveries: Reduced Pumping & Endangered Species Act Issues (TWR #109, Water Briefs: March 15, 2013)

Water Cybersecurity Executive Order on Critical Infrastructure (TWR #109, Water Briefs: March 15, 2013)

US-Mexico Border Water Infrastructure Program 2012 Annual Report - Released by EPA (TWR #110, Water Briefs: April 15, 2013)

Conjunctive Use in California's Central Valley: Mixed Results After Decades of Groundwater Banking by Jennifer Spaletta (TWR #111: May 15, 2013)

At the Water-Energy Nexus: Renewable Energy from In-Conduit Hydropower by Jennifer Allen Newton (TWR #112: June 15, 2013)

The Southern Delivery System - Getting to the Finish Line: Planning, Permitting & Constructing by John A. Fredell (TWR #113: July 15, 2013)

EPA's Drinking Water Infrastructure Needs Survey and Assessment - \$384 Billion Infrastructure Needs (TWR #113, Water Briefs: July 15, 2013)

Water Pricing: Water Rates & the "New Normal" by Kristina Donnelly and Juliet Christian-Smith (TWR #114: August 15, 2013)

Draft Economic Report on the Bay Delta Conservation Plan Released (TWR #114, Water Briefs: August 15, 2013)

EPA Funding for Small Water & Wastewater Systems: Training & Technical Assistance Grants (TWR #114, Water Briefs: August 15, 2013)

Natural Infrastructure: Investing in Forested Landscapes for Source Water Protection in the United States (TWR #117, Water Briefs: Nov. 15, 2013)

Cumulative Watershed Impacts of Small-Scale Hydroelectric Projects in Irrigation Delivery Systems: A Case Study (TWR #117, Water Briefs: Nov. 15, 2013)

Land Subsidence From Groundwater Pumping: San Joaquin Valley USGS Report Released (TWR #118, Water Briefs: Dec. 15, 2013)

Water & Land Use Assessment Tool: California's Locally Adaptable Tool (Water & Stormwater Impacts) by Patterson, Hinds & Lassiter (TWR #119: Jan. 15, 2014)

GAO Report on Fed Agency Actions: Climate Change on Water Infrastructure (TWR #119, Water Briefs: Jan. 15, 2014)

California Water Action Plan Released (TWR #120, Water Briefs: Feb. 15, 2014)

Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber (TWR #122: April 15, 2014)

Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer (TWR #127: Sept. 15, 2014)

Water Utilities Training & Technical Assistance From EPA - Climate Change Resilience & Readiness (TWR #130: Water Briefs, Dec. 15, 2014)

Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly (TWR #131: Jan. 15, 2015)

Water Investments: Principles, Requirements & Guidelines for Federal investments Released (TWR #131: Water Briefs, Jan. 15, 2015)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

In-Pipe Hydropower: Portland's In-Pipe System Secures 20-Year Power Purchase Agreement by Jennifer Allen Newton (TWR #132: Feb. 15, 2015)

Water Financing: New EPA Build America Investment Initiative (TWR #132, Water Briefs: Feb. 15, 2015)

Water Resource Issues in the 114th Congress-Congressional Research Service Report (TWR #133, Water Briefs: March 15, 2015)

The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt (TWR #134: April 15, 2015)

Mandatory Water Use Restrictions in California: Governor's Executive Order a First (TWR #134, Water Briefs: April 15, 2015)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

Authors' Responses: Yakima River Basin Integrated Plan (TWR #135: May 15, 2015)

"Green Infrastructure and the Sustainable Communities Initiative" Published by HUD's Office of Economic Resilience (TWR #135, Water Briefs: May 15, 2015)

Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board (TWR #136: June 15, 2015)

Crude Oil-By-Rail & the Endangered Species Act: Coming Soon to Train Tracks Near You? by Kristen L. Boyles (TWR #136: June 15, 2015)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Tribal Wastewater - Water Pollution Facility & Settlement Over CWA Violations by Tribal Utility (TWR #138, Water Briefs: August 15, 2015)

[San Joaquin Sinking: NASA Subsidence Study \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley \(TWR #140: Oct. 15, 2015\)](#)

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

[Energy-Positive Water Resource Recovery Workshop Report \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Infrastructure Funds: EPA Newsletter & Website \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug \(TWR #143: January 15, 2016\)](#)

[Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon \(TWR #143: January 15, 2016\)](#)

[Natural Resource Investment Center Established by Department of Interior \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[Clean Watersheds Needs Survey Released by EPA \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Stormwater Agreement: Clean Water Act Violations by Salt Lake County Resolved in Utah \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Infrastructure: Innovative & Multipurpose Financing Frameworks Developed by Stanford's Water in the West \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

[AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein \(TWR #146: April 15, 2016\)](#)

[2015 Highlights of Progress: Responses to Climate Change Released by EPA's National Water Program \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Liquid Assets: Investing for Impact in the Colorado Basin - Investment Blueprint Released \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap \(TWR #148: June 15, 2016\)](#)

[Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield \(TWR #148: June 15, 2016\)](#)

[Stormwater Runoff, Combined Sewer Overflows, and Infrastructure Research Funding \(TWR #148, Water Briefs: June 15, 2016\)](#)

["INITIAL REGULAR PERMIT":](#)

Texas Takings Case: Procedural Rulings - Claims Dismissed (TWR #137, Water Briefs: July 15, 2015)

[INJECTION & RECOVERY:](#)

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

[INJECTION OF BRINE \(Waster Disposal\):](#)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Fracking & Drinking Water Sources: Stanford Researchers Show Fracking's Impact to Drinking Water Sources by Rob Jordan (TWR #146: April 15, 2016)

[INJECTION OF WATER:](#)

EPA Fracking Study "Draft Assessment" Released (TWR #137, Water Briefs: July 15, 2015)

Earthquakes Increase in Oklahoma: Oil & Gas Wastewater Injection Limited (TWR #139, Water Briefs: Sept. 15, 2015)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

[INJECTION WELLS \(see also UNDERGROUND INJECTION CONTROL - UIC\):](#)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Fracking Ban in California?: Wastewater Injections Disclosed & Governor Petitioned (TWR #133, Water Briefs: March 15, 2015)

EPA Fracking Study "Draft Assessment" Released (TWR #137, Water Briefs: July 15, 2015)

Earthquakes Increase in Oklahoma: Oil & Gas Wastewater Injection Limited (TWR #139, Water Briefs: Sept. 15, 2015)

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

Earthquakes Plan in Oklahoma: Oil & Gas Wastewater Disposal Wells Impacts (TWR #142, Water Briefs: Dec. 15, 2015)

Fracking & Drinking Water Sources: Stanford Researchers Show Fracking's Impact to Drinking Water Sources by Rob Jordan (TWR #146: April 15, 2016)

[Oil & Gas Lawsuit: EPA Sued Regarding Regulations on Drilling & Fracking Wastes \(TWR #146, Water Briefs: April 15, 2016\)](#)

INJUNCTIVE RELIEF or INJUNCTION:

[Tribal Water Rights and the Colorado River Reallocation Through Forbearance Agreements by Mason D. Morisset \(TWR #87: May 15, 2011\)](#)

[Adverse Possession & Beneficial Use in Colorado by David Moon, Editor \(TWR #108: Feb. 15, 2013\)](#)

[Interstate Lawsuit on Red River Compact to be Heard by U.S. Supreme Court - Texas & Oklahoma \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Culvert Case Decided in Washington: Tribal Treaty Fishing Rights Victory by David Moon \(TWR #110: April 15, 2013\)](#)

[Fish Passage & Treaty Obligations: Washington State "Culvert Case" Before the Ninth Circuit by David Moon \(TWR #120: Feb. 15, 2014\)](#)

[Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge \(TWR #123: May 15, 2014\)](#)

[Texas Permitting Rules Upheld: Whooping Cranes Lawsuit Reversed \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon \(TWR #133: March 15, 2015\)](#)

["Waters of the US" Definition: Preliminary Injunction Stops Application of New EPA/Army Corps Rule by David Moon \(TWR #139, Sept. 15, 2015\)](#)

["Waters of the US" Clean Water Act Rule: Injunction Staying Implementation Limited to North Dakota Parties \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch \(TWR #145: March 15, 2016\)](#)

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

INJURY:

[Culvert Case Decided in Washington: Tribal Treaty Fishing Rights Victory by David Moon \(TWR #110: April 15, 2013\)](#)

[Instream Flow Rights Decision in Colorado: State Agency Authority Upheld - Policy of Preserving Natural Environment \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

IN-KIND MITIGATION:

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

["IN-LIEU RECHARGE":](#)

[Report on Water Available for Replenishment of Groundwater in California: Interim White Paper \(TWR #146, Water Briefs: April 15, 2016\)](#)

[INNOVATION:](#)

[Water Consciousness Challenge: The New Arizona Prize to be Awarded \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley \(TWR #140: Oct. 15, 2015\)](#)

[IN-PIPE HYDROPOWER:](#)

[At the Water-Energy Nexus: Renewable Energy from In-Conduit Hydropower by Jennifer Allen Newton \(TWR #112: June 15, 2013\)](#)

[In-Pipe Hydropower: Portland's System Secures 20-Year Power Purchase Agreement by Jennifer Allen Newton \(TWR #132: Feb. 15, 2015\)](#)

[INSECTICIDES:](#)

[Insecticides Study: USGS on Neonicotinoids and Impacts on Bees \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[IN-SITU USES:](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

[INSTANTANEOUS WATER QUALITY CRITERIA:](#)

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher \(TWR #148: June 15, 2016\)](#)

INSTITUTIONAL CONTROLS:

Citizen's Guide on Institutional Controls Released by EPA (TWR #15, Water Briefs: May 15, 2005)

INSTREAM FLOW WATER RIGHTS and MINIMUM FLOWS (see also WATER MARKETS):

Oregon Water Resources Department: Interview with Director Paul Cleary (TWR #1: March 15, 2004)

Flow Restoration in the Northwest: Columbia Basin Water Transactions by Andrew Purkey and Christopher Furey (TWR #2: April 15, 2004)

Washington Ecology Sets Minimum Flows (TWR #2, Water Briefs: April 15, 2004)

Trinity River Flows: Increased Flows Ordered (TWR #3, Water Briefs: May 15, 2004)

Washington Water Law by David C. Moon (TWR #4: June 15, 2004)

Instream Flow Petition - Hawaii Instream Flow Standards and "Waste" (TWR #5, Water Briefs: July 15, 2004)

Water Rights Donations and Federal Tax Law by Neal Stelling (TWR #7: Sept. 15, 2004)

Montana Water Law Update by David C. Moon (TWR #11: Jan. 15, 2005)

Columbia River Mainstem Program Announced by Washington Governor (TWR #11, Water Briefs: Jan. 15, 2005)

Reservoir Expansion on the Yampa and Instream Flows (TWR #12, Water Briefs: Feb. 15, 2005)

Instream Flow Toolkit Developed for Washington (TWR #12, Water Briefs: Feb. 15, 2005)

Bypass Flows - USFS Policy Change in Colorado (TWR #13, Water Briefs: March 15, 2005)

Colorado Recreational In-Channel Diversions by David C. Moon (TWR #14: April 15, 2005)

Instream Flows: Study in Texas (TWR #22, Water Briefs: Dec. 15, 2005)

Washington Water Regulation: New Department of Ecology Director Jay Manning, Interview by David C. Moon, Editor (TWR #23, Jan. 15, 2006)

Instream Flows in Colorado: Transfers and Injury - Protections for Junior Rights (TWR #23, Water Briefs: Jan. 15, 2006)

Instream Flow Program Proposal in Texas Critiqued (TWR #24, Water Briefs: February 15, 2006)

Instream Flow: Irrigation Season Shortened to Create Flow (TWR #24, Water Briefs: February 15, 2006)

Instream Flow Decision: Nonprofit Applications Upheld in Texas (TWR #25, Water Briefs: March 15, 2006)

Instream Flows: Cooperative Efforts in Nebraska Provide Support (TWR #25, Water Briefs: March 15, 2006)

Instream Water Rights Settlement: Muckleshoot Indian Tribe and Seattle (TWR #26, Water Briefs: April 15, 2006)

Pecos River Lawsuit Filed - ESA Violations Alleged Against Bureau of Reclamation and Corps of Engineers (TWR #26, Water Briefs: April 15, 2006)

[Navajo Reservoir FEIS Completed - Flow Recommendations and Authorized Purposes \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Bay Area Water Rights: Water Quality & Minimum Flows in California \(TWR #28, Water Briefs, June 15, 2006\)](#)

[Long-Range Water Planning: Comprehensive Process in Central Oregon's Deschutes Basin by Bruce Aylward and David Newton \(TWR #29: July 15, 2006\)](#)

[New Mexico Water Markets: Buying, Selling and Leasing Water Rights by John W. Shomaker and F. Lee Brown \(TWR #29: July 15, 2006\)](#)

[Utah Water Conservation: Irrigation District Conservation by Nancy Hardman \(TWR #22: Dec. 15, 2005\)](#)

[Colorado Whitewater Courses and Water Rights by Kenneth W. Knox \(TWR #30: August 15, 2006\)](#)

[Quantifying Instream Flow Needs by Tom Annear \(TWR #31; September 15, 2006\)](#)

[Hydroelectric Relicensing Decision: Skokomish Case Limits FERC Authority by David Moon \(TWR #31; September 15, 2006\)](#)

[San Joaquin Settlement: Friant Dam Litigation by Harrison C. Dunning \(TWR #33: Nov. 15, 2006\)](#)

[Climate & Water Pricing: Climate Effects on Water Transaction Prices by B. G. Colby, J. Pullen, K. Pittenger, and L. Jones \(TWR #34: December 15, 2006\)](#)

[Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources \(TWR #34: December 15, 2006\)](#)

[Tribal Water Rights - Conference Covers Settlement, Commodification and Other Issues by Harold Shepherd \(TWR #35: January 15, 2007\)](#)

[Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs \(TWR #36, February 15, 2007\)](#)

[FERC: New Technologies \(Wave, Current & Instream Projects\) \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Water Conservation Initiatives - Western States Take Action by Craig Bell, Western States Water Council \(TWR #38: April 15, 2007\)](#)

[Klamath Basin "Takings" Decision, Minimum Flows Decision & USGS Groundwater Report \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Instream Flow Reduction Approved for Drought Response \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Water Management Conservation Award to Deschutes River Conservancy \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Interstate Water Allocation by Christopher H. Meyer, Givens Pursley LLP \(Boise, Idaho\) \(TWR #42: August 15, 2007\)](#)

[Nutrient Numeric Endpoints: Not Quite Ready for Prime Time? by Jeremy N. Jungreis and Scott Thomas \(TWR #42: August 15, 2007\)](#)

[Chinatown Revisited: Owens River Instream Flow Agreement \(TWR #42, Water Briefs: August 15, 2007\)](#)

[Instream Flow Restoration: Cooperative, Free-Market Solutions in Oregon by Fritz Paulus \(TWR #43, Sept. 15, 2007\)](#)

[Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering \(TWR #43, Sept. 15, 2007\)](#)

[Instream Flow Restoration: Cooperative, Free-Market Solutions in Oregon by Fritz Paulus \(TWR #43, Sept. 15, 2007\)](#)

[Tribal Treaty Rights: Fish Passage Duty Decision by US District Court in Washington \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

Western States Water Update: Western States Water Council Meets in Montana by David C. Moon (TWR #44, Oct. 15, 2007)

Wastewater Treatment-Benefits of Moving Beyond Minimum Reqmts.: King County's Brightwater Project by Hummel (TWR #46: December 15, 2007)

Exempt Wells in Washington: Interim Management Limitations and Groundwater Study (TWR #46, Water Briefs: December 15, 2007)

Klamath River Basin: National Research Council Report Released (TWR #46, Water Briefs: December 15, 2007)

Watershed Planning in the Wenatchee River Basin: Ecology Adopts Rules on Instream Flows & Water Management (TWR #47, Water Briefs: January 15, 2008)

New Western Water Agenda: Opportunities for Action in an Era of Growth and Climate Change by MacDonnell & Fort (TWR #48: Feb. 15, 2008)

Tribal Water Sale: Tribes, Reclamation & Washington Partnership (TWR #48, Water Briefs: February 15, 2008)

Klamath Basin Restoration Agreement: A Convergence of Opportunity by Paul Simmons (TWR #49: March 15, 2008)

Texas Water Law: An Update on Recent Legislation and Case Law by Deborah Clarke Trejo and Tina Alvarado Arnold (TWR #49: March 15, 2008)

Water Quality Section 401 Certification: Avista Dams and FERC Relicensing (TWR #50, Water Briefs: April 15, 2008)

Multi-Use Reservoir Analysis: Rio Grande Reservoir by Matthew Bliss (TWR #51: May 15, 2008)

Healthy Rivers Act: Instream Flows in Colorado (TWR #51, Water Briefs: May 15, 2008)

Southeast Water Sharing Plan Proposed by Reclamation (TWR #51, Water Briefs: May 15, 2008)

Idaho Water Law: Update from Coeur d'Alene Conference by David Moon (TWR #52: June 15, 2008)

Aquifer Recharge and Storage: Ongoing Implementation Concerns by Peter G. Scott (TWR #54, August 15, 2008)

FERC Water Quality Permit (401 Certification) for Spokane River (TWR #53, Water Briefs: July 15, 2008)

Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell (TWR #56: October 15, 2008)

Municipal & Instream Water Right Withdrawal Exchange in Washington (TWR #57, Water Briefs: November 15, 2008)

Resolving ESA-Water Conflicts: The Edwards Aquifer Recovery Implementation Program by Gulley and Votteler (TWR #58: December 15, 2008)

Hydro Project Settlement: Tacoma Power & Skokomish Tribal Nation Reach Detailed Agreement (TWR #60, Water Briefs: Feb. 15, 2009)

Instream Agreement Signed for Black Canyon of the Gunnison (National Park) (TWR #60, Water Briefs: Feb. 15, 2009)

Pitkin County Instream Water Rights Agreement: Colorado Water Trust and Colorado Water Conservation Board Effort (TWR #60, Water Briefs: Feb. 15, 2009)

Instream Flow Book: Case Studies of Riverine Management (TWR #61, Water Briefs: March 15, 2009)

Idaho Power Water Settlement: Swan Falls Agreement Reaffirmed (TWR #62, Water Briefs: April 15, 2009)

[Water Trust Merger: Oregon Trout and the Oregon Water Trust Become The Freshwater Trust \(TWR #62, Water Briefs: April 15, 2009\)](#)

[Ecomarket Approaches to Addressing Water Quality Obligations: Legal Overview and the Hells Canyon Test Case by Glick & Nocar \(TWR #63: May 15, 2009\)](#)

[Instream Flow Tax Credit Incentive Passed in Colorado \(TWR #64, Water Briefs: June 15, 2009\)](#)

[Environmental Flows Guidance Released by TCEQ \(TWR #65, Water Briefs: July 15, 2009\)](#)

[The Colorado Water Trust: Western Water Trusts & the Colorado Experience by Amy W. Beatie \(TWR #66: August 15, 2009\)](#)

[Litigation on the Colorado River: Conflicts in Search of Solutions by Michael Gheleta \(TWR #67: September 15, 2009\)](#)

[Instream Water Right Transfer - Dam Removal & Power Right \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Stream Restoration Market: Bonneville Environmental Foundation Issues Water Restoration Certificates \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Interim Flows - Friant Dam Releases \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Produced Water & Regulatory Structure: Colorado Struggles with Coalbed Methane Jurisdiction & Control by Michelle Henrie \(TWR #69: Nov. 15, 2009\)](#)

[Water Right Leases in California: Scott River Water Trust \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

["Reasonably Necessary" Water Supply Case in Colorado: Planning Period, Burden of Proof & "Speculative" Flows \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Groundwater & Instream Flow: New ECOLOGY Rules in Washington \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[Instream Flows in Colorado: Trust Agreement Approved for Pitkin County \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[Klamath Settlement Agreements: Part II by Glen Spain \(TWR #71: Jan. 15, 2010\)](#)

[Colorado River Flows: Grand Canyon Experiment by Dept. of Interior \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt \(TWR #72: Feb. 15, 2010\)](#)

[Groundwater Closure Denied \(WA\): Stream Flow Concerns by Squaxin Island Tribe \(Co. Agreement Pursued\) \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Instream Flow Program Annual Report for 2009: California Fish & Game Department \(TWR #73, Water Briefs: March 15, 2010\)](#)

[TCEQ Endangered Species Act Suit in Texas: Freshwater Inflows to Refuge \(TWR #74, Water Briefs: April 15, 2010\)](#)

[Restoring the San Joaquin River: Restoration Program Update & Status Report by Alicia Gasdick & Margaret Gidding \(TWR #76: June 15, 2010\)](#)

[Tribal Water Rights: Current Issues & Relevant Background by Robert T. Anderson \(TWR #77: July 15, 2010\)](#)

[Water Restoration Certificates: Voluntary, Market-Based Flow Restoration by Todd Reeve & Rob Harmon \(TWR #79, Sept. 15, 2010\)](#)

Instream Flow Policy in California: Water Quality Control Policy by SWRCB (TWR #77, Water Briefs: July 15, 2010)

Recaptured Water: San Joaquin River Restoration (Interim Flow Releases) (TWR #77, Water Briefs: July 15, 2010)

Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak (TWR #81: November 15, 2010)

Nebraska's Evolving Water Law: Challenges and Opportunities Part I by Mary E. Kelly (TWR #81: November 15, 2010)

Regional Water Supply: Washington's Dept. of Ecology Approves Water Rights (TWR #80, Water Briefs: Oct. 15, 2010)

Delta Flow Criteria: Draft Advisory Report Released (TWR #80, Water Briefs: Oct. 15, 2010)

Environmental Flow Policies & Guidelines Report (TWR #80, Water Briefs: Oct. 15, 2010)

ERRATA: Environmental Flows (TWR #81, Water Briefs: Nov. 15, 2010)

Water Purchase in Washington (\$14 Million): Municipal and Instream Uses (TWR #81, Water Briefs: Nov. 15, 2010)

Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma (Sardis Reservoir) by Greetham (TWR #82: Dec. 15, 2010)

Nebraska's Evolving Water Law: Challenges & Opportunities - Part II by Mary E. Kelly (TWR #82: Dec. 15, 2010)

Alteration of Streamflows & Ecological Consequences Report Released by USGS (TWR #82, Water Briefs: Dec. 15, 2010)

Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde (TWR #83: Jan. 15, 2011)

Key Tribal Water Developments in the Pacific Northwest by Duane Mecham (TWR #83: Jan. 15, 2011)

Speculation in Water Rights (Colorado): Public Utilities and Trout Unlimited Agreement Reached (TWR #83, Water Briefs: Jan. 15, 2011)

Water Right Purchases in Nebraska: Platte River Enhancement (TWR #85, Water Briefs: March 15, 2011)

Supply & Streamflow: Water Management Agreement Reached in Washington (Dungeness River Watershed) (TWR #85, Water Briefs: March 15, 2011)

Wyoming Streamflow Restoration: History, Update & Current Strategies by Scott Yates (TWR #86: April 15, 2011)

Stream Flow and the Impact of Dams: USGS Study on Dam Operations & Fish Habitat (TWR #86, Water Briefs: April 15, 2011)

Water Sharing Strategies for Ag/Urban/Enviro in the West: Western States Council Report with CSU's Water Institute (TWR #87, Water Briefs: May 15, 2011)

Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates (TWR #88: June 15, 2011)

Multi-Sector Water Sharing (Agricultural-Urban-Environmental): Innovative Strategies for the Colorado River Basin & the West by Smith (TWR #88: June 15, 2011)

Tribal Protection: Exempt Wells Moratorium in Washington (TWR #88, Water Briefs: June 15, 2011)

Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie (TWR #89: July 15, 2011)

ESA Experimental Population: NMFS' First Proposed Designation a Win-Win for Water Users and Steelhead by Filippi & Maag (TWR #89: July 15, 2011)

Aquifer Storage & Recovery: Advantages, Challenges, Applications & Approaches for Expanding ASR in the West by Burt and Barry (TWR #91: Sept. 15, 2011)

Water Rights & Regulatory Authority Issues: Chickasaw & Choctaw Nations File Lawsuit Opposing Water Transfer by David Moon (TWR #91: Sept. 15, 2011)

Lake Roosevelt Drawdown Upheld: Reclamation Project Approved by Ninth Circuit (TWR #91, Water Briefs: Sept. 15, 2011)

Tribal Interests, Instream Flows & Hydropower Licensing: Using the Licensing Process to Address Tribal Concerns by Mason Morisset (TWR #92: Oct. 15, 2011)

Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses by Drew Beckwith (TWR #93: Nov. 15, 2011)

Columbia River Instream Atlas: Washington's Ecology Releases Draft Tool (TWR #93, Water Briefs: Nov. 15, 2011)

Speculative Use or Regional Provider: Company Applies for Massive Water Right in Oregon by David Moon (TWR #94: Dec. 15, 2011)

Irrigation to Instream in Wyoming: Change to State-Owned Water Rights Sets Precedent (TWR #94, Water Briefs: Dec. 15, 2011)

Instream Flow Assessment - The Science of the Art: Approaches to Evaluating Riverine Aquatic Habitat by Thomas R. Payne (TWR #95: Jan. 15, 2012)

Tribal Instream Rights Held Valid in Klamath Adjudication (Hunting, Fishing, Trapping & Gathering) (TWR #95, Water Briefs: Jan. 15, 2012)

Construing Speculative Use: TCEQ Remands Million Acre-Foot Water Application for Brazos River Basin by David Moon, Editor (TWR #96: Feb. 15, 2012)

Arizona Legislation: Instream Water Rights Face Hurdles & Rainwater Harvest Pilot Projects Proposed (TWR #99, Water Briefs: May 15, 2012)

Local Land Use Decisions & Water Supply Considerations: New Rules from the Washington Supreme Court by Dave Monthie (TWR #102: August 15, 2012)

Northwest Water Banking: Meeting Instream and Out of Stream Water Needs in the Pacific Northwest by Cronin & Fowler (TWR #102: August 15, 2012)

Request for Water 2012: Pilot Leasing Program in Colorado (TWR #102, Water Briefs: August 15, 2012)

Environmental Flows: TCEQ Approves New Permit Rules for Several Rivers and Bays (Surface Water) (TWR #103, Water Briefs: Sept. 15, 2012)

Environmental Flows Standards and Strategies Recommendations Report - Brazos River & Estuary Submitted to TCEQ (TWR #104, Water Briefs: Oct. 15, 2012)

Instream Water Rights in California: Tribes Criticize USFS' Endangered Species Act Inaction (TWR #105, Water Briefs: Nov. 15, 2012)

Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson (TWR #106: Dec. 15, 2012)

[Tribal Water Compact: Proposed Settlement Released in Montana \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Water Leasing Pilot Program Summary: The Colorado Water Trust's 2012 Leases \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Water Transfers in the West by Carlee Brown \(TWR #107: January 15, 2013\)](#)

[Conjunctive Management of Surface & Ground Water in Idaho \(Public-Private Partnerships\) by Tuthill, Rassier & Anderson \(TWR #108: Feb. 15, 2013\)](#)

[Yakima Water Plan: The Other Side of the Story by Evans, Forsgaard, Maykut & Packard \(TWR #108: Feb. 15, 2013\)](#)

[National Climate Assessment Draft Released by Federal Advisory Committee: "Firmly in the Present" \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Umatilla Basin Aquifer Restoration Project: New Management Model at the Crossroads by Martha Pagel \(TWR #109: March 15, 2013\)](#)

[The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor \(TWR #110: April 15, 2013\)](#)

[Indian Water Right Negotiations: Interior's Considerations When Appointing Federal Negotiation Teams by Duane Mecham \(TWR #111: May 15, 2013\)](#)

[Reclamation Announces Actions & Strategies to Improve Water Supplies for California's Central Valley Project \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Klamath Adjudication - The Judicial Phase Begins: New Era in Oregon's Contentious Water History by MacDougal, Orford & Timmons \(TWR #113: July 15, 2013\)](#)

[Nondiversion Agreement - Aspen Instream Flow Agreement with Colorado Water Trust \(TWR #113, Water Briefs: July 15, 2013\)](#)

[Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre \(TWR #114: August 15, 2013\)](#)

[CSKT Water Rights Compact Unratified: Montana Legislature Refuses to Ratify Confederated Salish and Kootenai Tribes Compact by Weiner & Stermitz \(TWR #114: August 15, 2013\)](#)

[Mono Lake Settlement in California Addresses Tributary Streamflows & Other Actions \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Instream Flows Decision in Washington: Protection from Impairment - Reserved Use Rule \(Reservation\) Invalid by David Moon \(TWR #116: Oct. 15, 2013\)](#)

[Columbia River Treaty Update: Draft Regional Recommendation Released \(TWR #116: Oct. 15, 2013\)](#)

["Conserved Water" Statute in Oregon: Change in Use from Irrigation to Instream Flow Approved \(Canal Lining\) \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson \(TWR #117, Nov. 15, 2013\)](#)

[Columbia River Treaty Review: Update & Next Steps \(From the US Entity\) - Special to The Water Report \(TWR #117, Nov. 15, 2013\)](#)

[Instream Rights Enforcement Discretion Agreement - *Swinomish v. Ecology* \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

Cumulative Watershed Impacts of Small-Scale Hydroelectric Projects in Irrigation Delivery Systems: A Case Study (TWR #117, Water Briefs: Nov. 15, 2013)

Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon (TWR #118, Dec. 15, 2013)

U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service (TWR #118, Dec. 15, 2013)

Klamath Settlement "Agreement in Principle" Reached Between Klamath Tribes and "Off-Project" Irrigators (TWR #118, Water Briefs: Dec. 15, 2013)

ESA Settlement by Karuk Tribe & Irrigation District: Dams & Diversions on Shasta River (TWR #119, Water Briefs: Jan. 15, 2014)

Stream Flow Enhancement/Groundwater Mitigation in Washington - Stormwater Capture & Groundwater Recharge (TWR #120, Water Briefs: Feb. 15, 2014)

Instream Transfers in California: Leasing Water to Enhance Environmental Flows (TWR #120, Water Briefs: Feb. 15, 2014)

Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. (TWR #121: March 15, 2014)

Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol (TWR #121: March 15, 2014)

Klamath Agreement - Upper Klamath Basin Comprehensive Agreement Reached (TWR #121, Water Briefs: March 15, 2014)

2013 Report to the Legislature: Statewide Progress on Setting Instream Flows - Washington Report Released (TWR #121, Water Briefs: March 15, 2014)

Instream Use Change: irrigation to instream Transfer in Nevada Approved by State Engineer (TWR #122, Water Briefs: April 15, 2014)

Colorado's Water Plan by Jayla Ryan Poppleton (TWR #123: May 15, 2014)

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

City Instream Flow: Non-Diversion Agreement in Colorado (TWR #123, Water Briefs: May 15, 2014)

Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley (TWR #124: June 15, 2014)

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

Instream Flow: Irrigators' and Water Trust's Augmentation Agreement in California (TWR #124, Water Briefs: June 15, 2014)

New Groundwater Use: Kittitas County Settlement Agreement Signed by Ecology (TWR #124, Water Briefs: June 15, 2014)

Colorado River Basin Studies Released: Tribal Non-Consumptive Water Uses and Research Needs in the Basin (TWR #125, Water Briefs: July 15, 2014)

Reclamation Increases Flow Releases - Lower Klamath River Supplement from Trinity Reservoir (TWR #127, Water Briefs: Sept. 15, 2014)

Flow Augmentation Releases (Trinity Reservoir): Reclamation Releases for Salmon Protection Lower Klamath River (TWR #128, Water Briefs, Oct. 15, 2014)

Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases (TWR #128, Water Briefs, Oct. 15, 2014)

Groups Appeal Water Rights Decision for Nuclear Reactor Project (Speculation, Availability & Stream Environment) (TWR #128, Water Briefs, Oct. 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmén (TWR #129: Nov. 15, 2014)

Columbia River Basin Water Supply Inventory Report 2014 Released (TWR #130: Water Briefs, Dec. 15, 2014)

Benefit-Cost Analysis of the Yakima Basin Integrated Plan Projects (TWR #131: Water Briefs, Jan. 15, 2015)

Huge Instream Donation: Water Supply/Trust Program in Washington (TWR #132, Water Briefs: Feb. 15, 2015)

Instream Rules in Washington: Repeal Denied for Skagit River/New Rule for Spokane River (TWR #132, Water Briefs: Feb. 15, 2015)

Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith (TWR #133: March 15, 2015)

Watershed Planning Implementation and Flow Achievement: Washington Grant Cycle (TWR #133, Water Briefs: March 15, 2015)

The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt (TWR #134: April 15, 2015)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Instream Flow Rights Decision in Colorado: State Agency Authority Upheld - Policy of Preserving Natural Environment (TWR #135, Water Briefs: May 15, 2015)

Tribal Compact Signed for Confederated Salish and Kootenai Tribes in Montana (TWR #135, Water Briefs: May 15, 2015)

Reverse Auction for Leasing Instream Flow in Washington (TWR #135, Water Briefs: May 15, 2015)

Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board (TWR #136: June 15, 2015)

Colorado River *Moving Forward Phase 1 Report* Released by Reclamation & Stakeholders (TWR #136, Water Briefs: June 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

Water Released for Salmon by Reclamation - Injunction by Irrigation Districts Denied (TWR #139, Water Briefs: Sept. 15, 2015)

Klamath Basin Regulation: Time Immemorial Instream Rights of Tribes Protected (TWR #139, Water Briefs: Sept. 15, 2015)

Reservoir Release in Colorado - Lease Agreement for Instream Flow to Benefit Endangered Fish (TWR #139, Water Briefs: Sept. 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

Sustainable Water Use: Historic Purchase to Preserve Basin Integrity (TWR #140, Water Briefs: Oct. 15, 2015)

Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon (TWR #141: Nov. 15, 2015)

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon (TWR #141: Nov. 15, 2015)

Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon (TWR #141: Nov. 15, 2015)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons (TWR #143: January 15, 2016)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

Truckee River Operating Agreement Begins: Interstate Allocations (TWR #143, Water Briefs: Jan. 15, 2016)

Instream Flow Pilot Study in Oklahoma (TWR #143, Water Briefs: Jan. 15, 2016)

Groundwater Banking in California: San Joaquin Restoration Program (TWR #143, Water Briefs: Jan. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Office of Inspector General's Report on EPA's Actions & Decision on Alaska's Bristol Bay Watershed (TWR #144, Water Briefs: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

Rio Grande Lawsuit: WildEarth Guardians Seek Historical Beneficial Use Accounting for Water Rights (TWR #146, Water Briefs: April 15, 2016)

A Practitioner's Guide to Instream Flow Transactions in California Released (TWR #146, Water Briefs: April 15, 2016)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap (TWR #148: June 15, 2016)

Tribal Water Lease in Idaho: Storage Rights to Mitigate for Groundwater Use (TWR #148, Water Briefs: June 15, 2016)

INTAKE STRUCTURES:

Cooling Water Intake Website Redesigned by EPA (TWR #138, Water Briefs: August 15, 2015)

INTAKE WATER/INTAKE CREDITS:

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

INTEGRATED APPROACH:

Integrating Storage in California's Changing Water System: Storage and Water Management Report (TWR #131: Water Briefs, Jan. 15, 2015)

Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi (TWR #138, August 15, 2015)

INTEGRATED BENEFITS:

Benefit-Cost Analysis of the Yakima Basin Integrated Plan Projects (TWR #131: Water Briefs, Jan. 15, 2015)

INTEGRATED DESIGN:

Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi (TWR #138, August 15, 2015)

INTEGRATED PRODUCTION:

Energy-Positive Water Resource Recovery Workshop Report (TWR #142, Water Briefs: Dec. 15, 2015)

INTENT:

Interstate Water Compacts: The US Supreme Court's *Tarrant* Decision and the Risk of Silence by Steven Richardson (TWR #116: Oct. 15, 2013)

Republican River Special Master's Report Issued: *Kansas v. Nebraska and Colorado* (TWR #118, Water Briefs: Dec. 15, 2013)

Fish Passage & Treaty Obligations: Washington State "Culvert Case" Before the Ninth Circuit by David Moon (TWR #120: Feb. 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon (TWR #134: April 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

INTENTIONALLY CREATED MEXICAN ALLOCATION:

Colorado River Management: Planning, Agreeing & Acting by Ted Kowalski (TWR #107: January 15, 2013)

INTENTIONALLY CREATED SURPLUS:

Colorado River Management: Planning, Agreeing & Acting by Ted Kowalski (TWR #107: January 15, 2013)

INTERBASIN TRANSFERS (see also TRANSBASIN DIVERSIONS & TRANSFERS):

Municipal Water Resources & Regional Planning: The Prairie Waters Project - Aurora, Colorado by Lisa Darling (TWR #98: April 15, 2012)

Interstate Compact Litigation Between Oklahoma & Texas: U.S. Solicitor General Files Opinion (TWR #106, Water Briefs: Dec. 15, 2012)

Tribal Claims to the Colorado River by Ryan Smith (TWR #109: March 15, 2013)

Colorado's Water Plan by Jayla Ryan Poppleton (TWR #123: May 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

[Groundwater Orders in Nevada: Las Vegas Applications Back to State Engineer for Decision \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[Water Plan Released in Colorado: Water Supply Strategies \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

INTERDEPENDENCY:

[Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

INTERIM GUIDELINES (Shortages Operations):

[Lake Powell Releases: Water to Lake Mead Increased for Water Year 2015 \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

INTERNAL MANAGEMENT RULE:

["Underground Regulation" — Agency Rulemaking & the California Administrative Procedures Act by Damien Schiff \(TWR #133: March 15, 2015\)](#)

INTERRUPTIBLE SUPPLY or INTERRUPTIBLE WATER RIGHT:

[Water Transfers in the West by Carlee Brown \(TWR #107: January 15, 2013\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

INTERSTATE CONFLICTS (see also [Compacts, Colorado River and Rio Grande](#)):

[Interstate Water Quality Battle: Oklahoma v. Poultry \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Montana - Wyoming Water Fight Brewing? \(TWR #4, Water Briefs: June 15, 2004\)](#)

[Coalbed Methane Interstate Dispute Between Montana and Wyoming \(TWR #26, Water Briefs: April 15, 2006\)](#)

- Interstate Water Quality: Coalbed Methane Conflict Between Wyoming and Montana (TWR #27, Water Briefs: May 15, 2006)
- Interstate Conflict - Oklahoma Water Quality Actions (TWR #27, Water Briefs: May 15, 2006)
- The Colorado River: New Operational Guidelines for Lake Powell and Lake Mead by Fulp, Yoder & Blatchford (TWR #33: Nov. 15, 2006)
- Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources (TWR #34: December 15, 2006)
- Interstate Compacts: Draft Model Compact Available (TWR #34, Water Briefs: December 15, 2006)
- Interstate Conflict: Oklahoma Water Sale Ban (TWR #36, Water Briefs: February 15, 2007)
- Interstate Compact Lawsuit: *Montana v. Wyoming* (TWR #36, Water Briefs: February 15, 2007)
- Montana v. Wyoming*: Interstate Compact Battle Over Water Rights (TWR #38, Water Briefs: April 15, 2007)
- Colorado River Basin Agreement (Editor's Addendum) (TWR #39: May 15, 2007)
- Colorado River Agreement & Southern California Water by William Hasencamp (TWR #39: May 15, 2007)
- Water Resources Cash Fund Created in Nebraska (TWR #40, Water Briefs; June 15, 2007)
- Interstate Water Allocation by Christopher H. Meyer, Givens Pursley LLP (Boise, Idaho) (TWR #42: August 15, 2007)
- Western States Water Update: Western States Water Council Meets in Montana by David C. Moon (TWR #44, Oct. 15, 2007)
- Interstate Water Quality Litigation: Surface and Groundwater Contamination Alleged (OK/AR) (TWR #46, Water Briefs: December 15, 2007)
- Colorado River Record of Decision Signed - Agreement on Shortage Criteria and Innovative Strategies (TWR #47, Water Briefs: January 15, 2008)
- Interstate Compact Lawsuit: US Brief Filed in Montana and Wyoming Water Right Conflict (TWR #48, Water Briefs: February 15, 2008)
- Klamath Basin Restoration Agreement: A Convergence of Opportunity by Paul Simmons (TWR #49: March 15, 2008)
- State Coalbed Methane Standards: EPA Approves Montana Standards - Interstate Dispute Affected by David C. Moon (TWR #49: March 15, 2008)
- Republican River Litigation Expected by Kansas Attorney General (TWR #49, Water Briefs: March 15, 2008)
- Georgia Water Battle: Corps Authorization Decision (TWR #49, Water Briefs: March 15, 2008)
- Rio Grande Settlement Between New Mexican & Texan Irrigation Districts: Dispute Over Interstate Surface & Groundwater by Moon (TWR #50: April 15, 2008)
- Idaho Water Law: Update from Coeur d'Alene Conference by David Moon (TWR #52: June 15, 2008)
- Aquifer Recharge and Storage: Ongoing Implementation Concerns by Peter G. Scott (TWR #54, August 15, 2008)
- Seven Rivers Pipeline and Augmentation Wells in New Mexico (Pecos River Settlement) (TWR #53, Water Briefs: July 15, 2008)
- Montana v. Wyoming*: U.S. Supreme Court to Hear Yellowstone Compact Case by Karen Budd-Falen (TWR #57: November 15, 2008)

[Interstate Water Ruling: Texas Water Users' Lawsuit Against Oklahoma to Continue \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Pecos River Compact Compliance: New Mexico's Compliance Program Meets With Success by James C. Brockmann \(TWR #61: March 15, 2009\)](#)

[Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro \(TWR #63: May 15, 2009\)](#)

[Interstate Water Transfers: New Oklahoma Legislation \(TWR #64, Water Briefs: June 15, 2009\)](#)

[Yellowstone River Compact: *Montana v. Wyoming*-Special Master Rules on Water Rights Issues & Denies Motion to Dismiss by Moon \(TWR #65: July 15, 2009\)](#)

[Interstate Groundwater Allocation: Nevada - Utah Draft Snake Valley Management Agreement by David Moon \(TWR #67: September 15, 2009\)](#)

[Kansas v. Colorado - Arkansas River Interstate Settlement Agreement on Final Technical Issues \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[The Republican River Compact: Conflict & Arbitration by Justin D. Lavene and Marcus A. Powers \(TWR #68: Oct. 15, 2009\)](#)

[Interbasin Transfers: Groundwater Rights Vacated by Court in Nevada \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[New Era of Interbasin Water Transfers by Barbara Cosens \(TWR #72: Feb. 15, 2010\)](#)

[New Era of Interbasin Water Transfers: Part II by Barbara Cosens \(TWR #73: March 15, 2010\)](#)

[Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill \(TWR #76: June 15, 2010\)](#)

[Kansas v. Nebraska: Interstate Compact Enforcement \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Oklahoma Storage Transfer Controversy: Tribal Nations & Local Interests Oppose the Transfer Agreement by David Moon, Editor \(TWR #80: Oct. 15, 2010\)](#)

[New Mexico 2008-2009 Annual State Water Report Released \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Nebraska's Evolving Water Law: Challenges and Opportunities Part I by Mary E. Kelly \(TWR #81: November 15, 2010\)](#)

[Republican River Compact - Arbitrator's Ruling \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma \(Sardis Reservoir\) by Greetham \(TWR #82: Dec. 15, 2010\)](#)

[Irrigation Efficiency: Conserved Water & Return Flow - Supreme Court Decision in *Montana v. Wyoming* \(TWR #87, Water Briefs: May 15, 2011\)](#)

[Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs \(TWR #100: June 15, 2012\)](#)

[Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie \(TWR #105: Nov. 15, 2012\)](#)

[Interstate Compact Litigation Between Oklahoma & Texas: U.S. Solicitor General Files Opinion \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Texas v. New Mexico - Texas Sues Over Water Deliveries Under the Rio Grande Compact \(U.S. Supreme Court\) \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Interstate Lawsuit on Red River Compact to be Heard by U.S. Supreme Court - Texas & Oklahoma \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Snake Valley Water Agreement Rejected by Utah Governor \(Nevada & Utah Agreement\) \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Republican River Compact Compliance: Storage Releases by Nebraska \(States Fail to Reach Future Access Agreement\) \(TWR #111, Water Briefs: May 15, 2013\)](#)

[State Control of Water: U.S. Supreme Court Rules for Oklahoma - Interstate Compact & Commerce Clause Issues by David Moon \(TWR #113: July 15, 2013\)](#)

[Colorado River Management & Drought: Lake Powell Releases to be Lowered Significantly by David Moon, Editor \(TWR #115: Sept. 15, 2013\)](#)

[Interstate Water Compacts: The US Supreme Court's *Tarrant* Decision and the Risk of Silence by Steven Richardson \(TWR #116: Oct. 15, 2013\)](#)

[Arizona v. California Digital Collection Debuted at William A. Wise Law Library \(CU\) \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Republican River Special Master's Report Issued: *Kansas v. Nebraska and Colorado* \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Texas v. New Mexico: Supreme Court Grants Texas the Right to Proceed \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[New Mexico Response Filed to U.S. Motion to Intervene: *Texas v. New Mexico* \(TWR #122, Water Briefs: April 15, 2014\)](#)

[Colorado's Water Plan by Jayla Ryan Poppleton \(TWR #123: May 15, 2014\)](#)

[Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge \(TWR #123: May 15, 2014\)](#)

[Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols \(TWR #128, Oct. 15, 2014\)](#)

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill \(TWR #129: Nov. 15, 2014\)](#)

[Oral Arguments in *Kansas v. Nebraska and Colorado*: Interstate Compact, Damages & Imported Water \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Texas v. New Mexico and Colorado: Special Master Appointed for Interstate Compact Case \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond \(TWR #130: Dec. 15, 2014\)](#)

[Colorado River Research Group Forms & Releases Summary Report \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Interstate Water Dispute: Florida v. Georgia in the Supreme Court \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon \(TWR #132: Feb. 15, 2015\)](#)

[Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon \(TWR #133: March 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Water Banking & Storage Agreement Between SNWA and MWD Supplements California Supplies During Drought \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

INTRASTATE PROTECTION:

Endangered Species Act Upheld by US Supreme Court: No Commercial Value & One-state Species Issues Rejected (TWR #94, Water Briefs: Dec. 15, 2011)

INVASIVE SPECIES:

Ballast Water Discharges & Invasive Species: Decision Requires Clean Water Act NPDES Permits (TWR #54, Water Briefs: August 15, 2008)

Climate Change & San Francisco Bay Watershed: Watershed Impacts for the Coming Century-Edited/Condensed from: James Cloern (TWR #94: Dec. 15, 2011)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

New Zealand Mudsail Infestations: Public Policy Implications by Paul Bucich & Kit Paulsen (TWR #126: Aug. 15, 2014)

Water & Power: Reclamation Science & Technology Development Projects (TWR #141, Water Briefs: Nov. 15, 2015)

Transboundary Cooperation in the International Columbia River Basin: A Preliminary Assessment of Existing Arrangements & Future Prospects (TWR #142, Water Briefs: Dec. 15, 2015)

INVESTMENTS (see also WATER INVESTMENTS):

Natural Resource Investment Center Established by Department of Interior (TWR #143, Water Briefs: Jan. 15, 2016)

Liquid Assets: Investing for Impact in the Colorado Basin - Investment Blueprint Released (TWR #146, Water Briefs: April 15, 2016)

IOWA:

WRF Published Water Efficiency Study: Residential End Uses of Water, Version 2 (2016) (TWR #146, Water Briefs: April 15, 2016)

IRREPARABLE HARM:

“Waters of the US” Definition: Preliminary Injunction Stops Application of New EPA/Army Corps Rule by David Moon (TWR #139, Sept. 15, 2015)

IRRIGABLE ACREAGE (see also PRACTICABLY IRRIGABLE ACREAGE & TRIBAL WATER RIGHTS):

Tribal Claims to the Colorado River by Ryan Smith (TWR #109: March 15, 2013)

[IRRIGATION IMPROVEMENTS & SUBSIDIES \(see also CONSERVATION\):](#)

Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources (TWR #34: December 15, 2006)

Irrigation 2005 Grant for Water Conservation (TWR #37, Water Briefs: March 15, 2007)

Water Delivery - Canals, Ditches and Pipelines: The Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton (TWR #41: July 15, 2007)

Irrigation System Efficiency: Emerging Technologies by Mac McKee (TWR #46: December 15, 2007)

Wetlands Restoration: Irrigation District Purchases Land for Delta Smelt and Other Species Recovery (TWR #47, Water Briefs: January 15, 2008)

Klamath Basin Restoration Agreement: A Convergence of Opportunity by Paul Simmons (TWR #49: March 15, 2008)

Texas Water Law: An Update on Recent Legislation and Case Law by Deborah Clarke Trejo and Tina Alvarado Arnold (TWR #49: March 15, 2008)

Efficient Water Management Survey Released by the Agricultural Water Management Council of California (TWR #59, Water Briefs: Jan. 15, 2009)

Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge (TWR #64: June 15, 2009)

The Colorado Water Trust: Western Water Trusts & the Colorado Experience by Amy W. Beatie (TWR #66: August 15, 2009)

Irrigation Canal Piping: Conservation Project \$5.6 Million Grant by Ecology in Washington (TWR #66, Water Briefs: August 15, 2009)

Instream Water Right Transfer - Dam Removal & Power Right (TWR #67, Water Briefs: Sept. 15, 2009)

Evapotranspiration Mapping - Idaho Innovation Receives Award (TWR #68, Water Briefs: Oct. 15, 2009)

Irrigation Controls: EPA Specification Comment for Draft WaterSense (Weather-Based Irrigation Controllers) (TWR #70, Water Briefs: Dec. 15, 2009)

Klamath Settlement Agreements: Part II by Glen Spain (TWR #71: Jan. 15, 2010)

Conservation Report on Agricultural Innovations in California (California Farm Water Success Stories: Report & Video) (TWR #73, Water Briefs: March 15, 2010)

Restoring the San Joaquin River: Restoration Program Update & Status Report by Alicia Gasdick & Margaret Gidding (TWR #76: June 15, 2010)

Basin of Origin Claim Denied by Federal Judge in California: Reclamation Prevails Over Tehama-Colusa Canal Authority (TWR #91, Water Briefs: Sept. 15, 2011)

Lake Roosevelt Drawdown Upheld: Reclamation Project Approved by Ninth Circuit (TWR #91, Water Briefs: Sept. 15, 2011)

Reclamation's WaterSMART Program: Working to Meet Future Water & Energy Demands by Avra Morgan (TWR #92: Oct. 15, 2011)

California Water District's Conservation Rebate Programs (TWR #92, Water Briefs: Oct. 15, 2011)

Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs (TWR #100: June 15, 2012)

The Columbia River, Basin, and Treaty: Upcoming Treaty Date is Focussing Basin Water Management Issues by Stan Miller (TWR #101: July 15, 2012)

WaterSMART Update (TWR #105: Nov. 15, 2012)

Agricultural Conservation Report: *Water to Supply the Land: Irrigated Agriculture in the Colorado River Basin* (TWR #112, Water Briefs: June 15, 2013)

Groundwater/Surface Water Exchange Agreement Signed: Reclamation & Irrigation District (TWR #116, Water Briefs: Oct. 15, 2013)

"The Economic Impacts of Western Irrigated Agriculture" White Paper Released (TWR #116, Water Briefs: Oct. 15, 2013)

"Conserved Water" Statute in Oregon: Change in Use from Irrigation to Instream Flow Approved (Canal Lining) (TWR #116, Water Briefs: Oct. 15, 2013)

Cumulative Watershed Impacts of Small-Scale Hydroelectric Projects in Irrigation Delivery Systems: A Case Study (TWR #117, Water Briefs: Nov. 15, 2013)

Drought Management in California - Emphasis on Water Transfers (TWR #119, Water Briefs: Jan. 15, 2014)

Instream Flow: Irrigators' and Water Trust's Augmentation Agreement in California (TWR #124, Water Briefs: June 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon (TWR #132: Feb. 15, 2015)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

Authors' Responses: Yakima River Basin Integrated Plan (TWR #135: May 15, 2015)

Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons (TWR #143: January 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

AG/MUNI Water: Rotational Leasing-Following - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

IRRIGATION LIMITS:

Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons (TWR #143: January 15, 2016)

IRRIGATION REPAYMENTS (COST SHARING):

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

Authors' Responses: Yakima River Basin Integrated Plan (TWR #135: May 15, 2015)

IRRIGATION RIGHT RETIREMENT:

Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons (TWR #143: January 15, 2016)

AG/MUNI Water: Rotational Leasing-Following - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

IRRIGATION USE:

Reclamation Manual Policies and Directives and Standards Finalized by Bureau (TWR #114, Water Briefs: August 15, 2013)

"The Economic Impacts of Western Irrigated Agriculture" White Paper Released (TWR #116, Water Briefs: Oct. 15, 2013)

Federal Breach of Contract: Reclamation Loses Appeal on Breach of Contract Claim by David Moon (TWR #127: Sept. 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

USGS Water Use Report Released: Withdrawals Dropping (TWR #130: Water Briefs, Dec. 15, 2014)

Tribal Compact Signed for Confederated Salish and Kootenai Tribes in Montana (TWR #135, Water Briefs: May 15, 2015)

[USGS Releases "Estimated Freshwater Withdrawals in Washington, 2010 Report" \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Habitat Conservation Plan \(HCP\) for Edwards Aquifer in Texas - Review Released \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin \(TWR #139, Sept. 15, 2015\)](#)

[Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Water & Power: Reclamation Science & Technology Development Projects \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[War and Peace Over the Niobrara River by Don Blankenau \(TWR #142: Dec. 15, 2015\)](#)

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[Illegal Irrigation in Washington Results in Penalty: Excessive Watering & Numerous Warnings \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative \(TWR #146: April 15, 2016\)](#)

[Rio Grande Lawsuit: WildEarth Guardians Seek Historical Beneficial Use Accounting for Water Rights \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Dam Removal: New Klamath River Agreements Signed \(TWR #146, Water Briefs: April 15, 2016\)](#)

[AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein \(TWR #146: April 15, 2016\)](#)

ISOLATED AQUIFER:

[Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield \(TWR #148: June 15, 2016\)](#)

ISOTOPIC SIGNATURE:

[Fracking Spills in North Dakota: Duke University Study on Widespread Water & Soil Contamination \(TWR #146, Water Briefs: April 15, 2016\)](#)

ISSUE PRECLUSION:

[Water Right Nonuse: Historical Beneficial Consumptive Use in Change Proceedings in Colorado \(TWR #133, Water Briefs: March 15, 2015\)](#)

"JEOPARDY" (see also ENDANGERED SPECIES ACT):

Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley (TWR #124: June 15, 2014)

Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation by Molly Lawrence (TWR #131: Jan. 15, 2015)

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

Crude Oil-By-Rail & the Endangered Species Act: Coming Soon to Train Tracks Near You? by Kristen L. Boyles (TWR #136: June 15, 2015)

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

Columbia Basin Salmon BiOp Rejected by Federal Court: Fed Plan Invalidated for Fifth Time - ESA & NEPA Violated (TWR #146, Water Briefs: April 15, 2016)

JUNIOR RIGHTS RESTRICTION:

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

JURISDICTION:

Water, Property & Authority in New Mexico: Balancing Tribal and State Sovereign Interests by Stephen H. Greetham (TWR #14: April 15, 2005)

US-Mexico Report Assesses Resources (TWR #14, Water Briefs: April 15, 2005)

Upper Columbia River Contamination: Transboundary Application of CERCLA by Du Bey, Ulick Rosenthal & Clark (TWR #15: May 15, 2005)

Tribal Water Quality Standards by Richard A. Du Bey & Michelle Ulick Rosenthal (TWR #18: August 15, 2005)

Groundwater Basins in New Mexico Under State Jurisdiction (TWR #20, Water Briefs: October 15, 2005)

Clean Water Act Cases Accepted by US Supreme Court (TWR #21, Water Briefs: Nov. 15, 2005)

Wetlands and the Clean Water Act: *Rapanos*, *Carabell* and the Limits of Federal Jurisdiction by Bleichfeld, Collinson & Mills (TWR #24: February 15, 2006)

The ESA & CWA Delegation: Defenders of Wildlife V. EPA by David Light (TWR #25: March 15, 2006)

Clean Water Act Wetlands Jurisdiction: US Supreme Court Rules on *Rapanos* & *Carabell* by Jennie Bricker (TWR #29: July 15, 2006)

International Agreement with Canada: Transboundary CERCLA Settlement (TWR #29, Water Briefs: July 15, 2006)

Supreme Court Decides Wetlands Cases *Rapanos* & *Carabell* by Roderick Walston (TWR #30: August 15, 2006)

Wetlands Case: 9th Circuit Issues Post-*Rapanos* Decision (TWR #31, Water Briefs: Sept. 15, 2006)

Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources (TWR #34: December 15, 2006)

[Ground Water and Surface Water Regulation: Colorado Decision \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs \(TWR #36, February 15, 2007\)](#)

[Transboundary Pollution - 9th Circuit Order Appealed \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Clean Water Act Authority Approved for Pyramid Lake Paiute Tribe \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Montana v. Wyoming: Interstate Compact Battle Over Water Rights \(TWR #38, Water Briefs: April 15, 2007\)](#)

[Tribal Water Rights Decision: Unquantified Reserved Rights & State Regulation by David Moon \(TWR #39: May 15, 2007\)](#)

[Water Delivery - Canals, Ditches and Pipelines: The Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton \(TWR #41: July 15, 2007\)](#)

[Interstate Water Allocation by Christopher H. Meyer \(Boise, Idaho\) \(TWR #42: August 15, 2007\)](#)

[Wetlands Policy: Corps/EPA Guidance Issued \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Transboundary CERCLA Case: Supreme Court Requests Federal Brief \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Toxic Discharges from Dams: Clean Water Act & Nuisance Lawsuits \(Klamath River\) \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Western States Water Update: Western States Water Council Meets in Montana by David C. Moon \(TWR #44, Oct. 15, 2007\)](#)

[Tribal Groundwater Rights: Lummi Nation Settlement in Washington \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Clean Water Act Jurisdiction: Army Corps Jurisdictional Wetlands Determinations by Douglas W. MacDougal \(TWR #47: January 15, 2008\)](#)

[Interstate Compact Lawsuit: US Brief Filed in Montana and Wyoming Water Right Conflict \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Transboundary Water Quality: Supreme Court Denies Canadian Petition \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Republican River Litigation Expected by Kansas Attorney General \(TWR #49, Water Briefs: March 15, 2008\)](#)

[Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer \(TWR #50: April 15, 2008\)](#)

[Indian Water Rights: The Era of Settlements by Jeanne S. Whiteing \(TWR #51: May 15, 2008\)](#)

[Tribal "Treatment As State" - Oklahoma Tribes Face Special "Treatment" by David Moon and David Light \(TWR #52: June 15, 2008\)](#)

[Idaho Water Law: Update from Coeur d'Alene Conference by David Moon \(TWR #52: June 15, 2008\)](#)

[Clean Water Act & Rivers & Harbors Act Jurisdictional Determinations: Corps Guidance Issued \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Montana v. Wyoming: U.S. Supreme Court to Hear Yellowstone Compact Case by Karen Budd-Falen \(TWR #57: November 15, 2008\)](#)

[Wetlands Revised Guidance: Clean Water Act Scope and Jurisdiction \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Interstate Water Ruling: Texas Water Users' Lawsuit Against Oklahoma to Continue \(TWR #58, Water Briefs: December 15, 2008\)](#)

Pecos River Compact Compliance: New Mexico's Compliance Program Meets With Success by James C. Brockmann (TWR #61: March 15, 2009)

Mine Slurry Permit: Corps v. EPA Authority (TWR #65, Water Briefs: July 15, 2009)

Tribal Jurisdiction: Damage Claims Dismissed in Oklahoma AG's Poultry Lawsuit (TWR #66, Water Briefs: August 15, 2009)

Litigation on the Colorado River: Conflicts in Search of Solutions by Michael Gheleta (TWR #67: September 15, 2009)

Snake River Basin Adjudication: Lessons Learned by Eric J. Wildman (TWR #68: Oct. 15, 2009)

Produced Water & Regulatory Structure: Colorado Struggles with Coalbed Methane Jurisdiction & Control by Michelle Henrie (TWR #69: Nov. 15, 2009)

Clean Water Act Enforcement: EPA Issues New Action Plan by Tyson Kade and John Iani (TWR #69: Nov. 15, 2009)

New Era of Interbasin Water Transfers: Part II by Barbara Cosens (TWR #73: March 15, 2010)

Tribal Surface Water Rights: Hydraulic Connection Equals Protection - Groundwater Impacts & Federal Jurisdiction by David C. Moon (TWR #75: May 15, 2010)

Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill (TWR #76: June 15, 2010)

Tribal Water Rights: Current Issues & Relevant Background by Robert T. Anderson (TWR #77: July 15, 2010)

Water Resources & Environment - Legislative Update from Washington, D.C.: Conversations with Ryan C. Seiger, Staff Director for the US House Subcommittee on Water Resources and Environment by Joan Card (TWR #80: Oct. 15, 2010)

Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak (TWR #81: November 15, 2010)

Protecting Tribal Fishing Rights - Fixing Culverts that Block Fish Passage: Ruling on Washington Treaty Responsibilities Expected Soon by Love & Zentz (TWR #81: November 15, 2010)

Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma (Sardis Reservoir) by Greetham (TWR #82: Dec. 15, 2010)

L.A. River "Navigable" - Clean Water Act Protection Extended (TWR #78, Water Briefs: Aug. 15, 2010)

Key Tribal Water Developments in the Pacific Northwest by Duane Mecham (TWR #83: Jan. 15, 2011)

Endangered Species Act, Take, and Water: *The Aransas Project v. Shaw, et al.* by Kathy Robb (TWR #85: March 15, 2011)

CERCLA Citizen Suits Provisions: "Prevailing" Party Determination - The Award of Fees & Costs in *Pakootas v. Teck Cominco Metals, Ltd.* by Du Bey, Clark & Weir (TWR #85: March 15, 2011)

Water Utility Sale in Montana: Waiver of PSC Review Requested (TWR #85, Water Briefs: March 15, 2011)

Conjunctive Use Decisions: Applying the Prior Appropriation Doctrine to Groundwater Use by David Moon (TWR #86: April 15, 2011)

Federal Wetlands Jurisdiction: New Post-*Rapanos* Guidance - Longer Federal Reach, Less Certainty by Glick and Gelardi (TWR #87: May 15, 2011)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[Lake Lanier Ruling in the Southeast: Reclamation Reservoir & "Water Supply" Purpose 11th Circuit Decision \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Identifying Waters Protected by the Clean Water Act - Comment Period Extended \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Interbasin Transfer Decision in Nevada: Land Use Authority of County Upheld in Transfer Denial \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Water Resources Regulation & Development: Groundwater, Floodplains, and "Waters of the United States" by Robert D. Anderson \(TWR #91: Sept. 15, 2011\)](#)

[Water Rights & Regulatory Authority Issues: Chickasaw & Choctaw Nations File Lawsuit Opposing Water Transfer by David Moon \(TWR #91: Sept. 15, 2011\)](#)

[Closed Loop Geothermal Power Plants: New Mexico Clarifies Permit Process by Michelle Henrie \(TWR #97: March 15, 2012\)](#)

[Stream Adjudication in Oklahoma: Federal & State Litigation Heat Up \(TWR #97, Water Briefs: March 15, 2012\)](#)

[Oklahoma Adjudication Removed to Federal Court \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Water Rights Forum - Subject Matter Jurisdiction Decision in Nevada \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Stockpond/Reservoir Permits: Enforcement Effort by the California Water Resources Board \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie \(TWR #105: Nov. 15, 2012\)](#)

[Interstate Compact Litigation Between Oklahoma & Texas: U.S. Solicitor General Files Opinion \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Texas v. New Mexico - Texas Sues Over Water Deliveries Under the Rio Grande Compact \(U.S. Supreme Court\) \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Transboundary Case \(*Pakootas v. Teck*\) - Pollution Liability Under U.S. Law \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Stormwater Ruling from US Supreme Court - Transfer of Polluted Water Not "Discharge" Under CWA \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Culvert Case Decided in Washington: Tribal Treaty Fishing Rights Victory by David Moon \(TWR #110: April 15, 2013\)](#)

[Indian Water Right Negotiations: Interior's Considerations When Appointing Federal Negotiation Teams by Duane Mecham \(TWR #111: May 15, 2013\)](#)

[Klamath Adjudication Update: Administrative Phase Complete - Judicial Review Beginning by Liljefelt & Schroeder \(TWR #111: May 15, 2013\)](#)

[Klamath Adjudication - The Judicial Phase Begins: New Era in Oregon's Contentious Water History by MacDougal, Orford & Timmons \(TWR #113: July 15, 2013\)](#)

[Water Rights Determination: Agency Authority in Enforcement Actions in California \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

["Waters of the US" - Clean Water Act Jurisdiction Rule: Connectivity of Streams & Wetlands Report Released \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson (TWR #117, Nov. 15, 2013)

U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service (TWR #118, Dec. 15, 2013)

Rio Grande Compact - Lawsuit Between Texas & New Mexico: U.S. Solicitor General's Brief Filed (TWR #119, Water Briefs: Jan. 15, 2014)

Fish Passage & Treaty Obligations: Washington State "Culvert Case" Before the Ninth Circuit by David Moon (TWR #120: Feb. 15, 2014)

Clean Water Act Jurisdiction - Proposed Rule Released (TWR #122, Water Briefs: April 15, 2014)

Tribal Water Lawsuit: Ownership of Water Rights in Montana - State v. Federal Jurisdiction (TWR #122, Water Briefs: April 15, 2014)

New Mexico Response Filed to U.S. Motion to Intervene: *Texas v. New Mexico* (TWR #122, Water Briefs: April 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Dam Pollution Settlement: Oil Leakage at Columbia & Snake River Dams and the Clean Water Act (TWR #126, Water Briefs: Aug. 15, 2014)

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

Curtailments Lawsuit: Drought Emergency Decisions Contested in California by Water Users (TWR #129: Water Briefs, Nov. 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

Clean Water Act Rule Finalized: CWA Jurisdiction (TWR #136, Water Briefs: June 15, 2015)

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

BLM Fracking Rules Stayed: Four States Fighting Rules for Public Lands (TWR #137, Water Briefs: July 15, 2015)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Tribal CWA Authorization for Pueblo of Santa Ana in New Mexico (TWR #138, Water Briefs: August 15, 2015)

"Waters of the US" Definition: Preliminary Injunction Stops Application of New EPA/Army Corps Rule by David Moon (TWR #139, Sept. 15, 2015)

"Waters of the US" Clean Water Act Rule: Injunction Staying Implementation Limited to North Dakota Parties (TWR #140, Water Briefs: Oct. 15, 2015)

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

Stock Pond Permit Settlement: EPA & Landowners Settle Clean Water Act Lawsuit (TWR #148, Water Briefs: June 15, 2016)

“JURISDICTIONAL BOUNDARY SPANNING”:

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

JURISDICTIONAL DETERMINATION:

Clean Water Act Decision: Jurisdictional Determination Appealable Immediately (TWR #148, Water Briefs: June 15, 2016)

“JUST and REASONABLE” CHARGES:

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

KANSAS WATER LAW and WATER QUALITY LAW:

Water Conservation: Reclamation Awards Grant to Kansas for Republican River (TWR #24, Water Briefs: February 15, 2006)

Hazardous Waste Injection Approved by EPA (TWR #40, Water Briefs; June 15, 2007)

Western States Water Update: Western States Water Council Meets in Montana by David C. Moon (TWR #44, Oct. 15, 2007)

Groundwater Account in Kansas: Flexible Term Permits (TWR #44, Water Briefs: Oct. 15, 2007)

Republican River Litigation Expected by Kansas Attorney General (TWR #49, Water Briefs: March 15, 2008)

Kansas' Revised State Water Quality Standards Approved by EPA (TWR #55, Water Briefs: September 15, 2008)

Kansas v. Colorado - Arkansas River Interstate Settlement Agreement on Final Technical Issues (TWR #67, Water Briefs: Sept. 15, 2009)

Ammonia Spills in Nebraska & Kansas: \$3.65 Million Clean Water Act Penalty (TWR #67, Water Briefs: Sept. 15, 2009)

The Republican River Compact: Conflict & Arbitration by Justin D. Lavene and Marcus A. Powers (TWR #68: Oct. 15, 2009)

"Conservation" Right in Kansas: Beneficial Use Definition (Protection for Instream Flow) (TWR #73, Water Briefs: March 15, 2010)

Aquifer Storage & Recovery Regulation: Survey of UIC-ASR Regulation in Different States, Chase Hahn (TWR #74, April 15, 2010)

Kansas v. Nebraska: Interstate Compact Enforcement (TWR #76, Water Briefs: June 15, 2010)

CAFO Violations: EPA Enforcement Actions in the Midwest (TWR #76, Water Briefs: June 15, 2010)

Republican River Compact - Arbitrator's Ruling (TWR #81, Water Briefs: Nov. 15, 2010)

Groundwater Moratorium Since 2004 Lifted in Kansas: USGS Study of Ozark Plateau Aquifer (TWR #83, Water Briefs: Jan. 15, 2011)

Industrial Waste & Wastewater: EPA Issues Civil Penalty to Food Processing Company in Kansas (TWR #84, Water Briefs: Feb. 15, 2011)

"Use It or Lose It" Principle Questioned by Kansas Governor: Ogallala Aquifer & Conservation Incentives (TWR #90, Water Briefs: August 15, 2011)

Water Legislation in Kansas : "Use It or Lose It" - Abandonment and Multi-Year Groundwater Flex Accounts (TWR #97, Water Briefs: March 15, 2012)

Kansas Groundwater Program: Multi-Year Flex Account Designed to Conserve Water & Extend Life of Ogallala Aquifer (TWR #99, Water Briefs: May 15, 2012)

Watershed Restoration Success: Nonpoint Sources Addressed - EPA Section 319 Program (TWR #99, Water Briefs: May 15, 2012)

Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs (TWR #100: June 15, 2012)

Republican River Compact Call in Nebraska: Bureau of Reclamation Responds to Nebraska DNR Order (TWR #110, Water Briefs: April 15, 2013)

Republican River Compact Compliance: Storage Releases by Nebraska (States Fail to Reach Future Access Agreement) (TWR #111, Water Briefs: May 15, 2013)

Republican River Special Master's Report Issued: *Kansas v. Nebraska and Colorado* (TWR #118, Water Briefs: Dec. 15, 2013)

Oral Arguments in *Kansas v. Nebraska and Colorado*: Interstate Compact, Damages & Imported Water (TWR #129: Water Briefs, Nov. 15, 2014)

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

KEYSTONE XL PIPELINE:

Keystone XL Pipeline - EPA Raises Objections (TWR #111, Water Briefs: May 15, 2013)

KLAMATH RIVER BASIN:

Oregon Water Resources Department: Interview with Director Paul Cleary (TWR #1: March 15, 2004)

Klamath Update: Water Purchases, Storage Initiative, ESA Five-Year Review, FY 2005 Budget and BOR "Water Bank" (TWR #7, Water Briefs: Sept. 15, 2004)

Watershed Assessments: The Upper Klamath Basin Process by Mike Connelly, and Jennifer Miller (TWR #8: Oct. 15, 2004)

The Role of Science in the ESA: Balancing the Needs of Protected Species by Michael G. Thabault (TWR #9: Nov. 15, 2004)

FERC Relicensing: Klamath River - KWUA Motion to Intervene (TWR #9, Water Briefs: Nov. 15, 2004)

Klamath River Watershed Coordination Agreement (TWR #9, Water Briefs: Nov. 15, 2004)

Klamath Fishery Science: Controversy in the Klamath River Basin by Dave Vogel (Hardy Response) (TWR #11: Jan. 15, 2005)

Klamath Basin Water Resource Issues by Dr. Thomas B. Hardy (Vogel Response) (TWR #11: Jan. 15, 2005)

[Klamath Water Bank: USGS Report \(TWR #16, Water Briefs: June 15, 2005\)](#)

[Klamath Water Bank 2005 \(TWR #17, Water Briefs: July 15, 2005\)](#)

[Klamath "Takings" - Irrigators' Claims Rejected \(TWR #19, Water Briefs, September 15, 2005\)](#)

[Klamath FERC: Dam Removal and Irrigators' Power Rates \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Klamath Coho Salmon Plan Rejected by the 9th Circuit \(TWR #21, Water Briefs: Nov. 15, 2005\)](#)

[Klamath Decisions: Court Rulings on "Takings" and BiOp/RPA Sufficiency by Richard M. Glick \(TWR #22: Dec. 15, 2005\)](#)

[Fish Passage Prescribed in Klamath Hydro Relicensing Proceeding \(NOAA Fisheries and Dept. of Interior\) \(TWR #26, Water Briefs: April 15, 2006\)](#)

[Hydropower Relicensing: Fish Passage Proposal by PacifiCorp \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Klamath Hydroelectric Relicensing: Fish Passage and FERC \(TWR #32, Water Briefs: October 15, 2006\)](#)

[Chiloquin Dam Removal Agreement in the Klamath Basin \(TWR #33, Water Briefs: Nov. 15, 2006\)](#)

[Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources \(TWR #34: December 15, 2006\)](#)

[Klamath Water Market & Study \(Bureau of Reclamation\) \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Klamath Dams - Agency Fish Passage Mandates Finalized \(TWR #36, Water Briefs: February 15, 2007\)](#)

[Klamath Basin "Takings" Decision, Minimum Flows Decision & USGS Groundwater Report \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Klamath River Basin: National Research Council Report Released \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Klamath Settlement: Dams Removal Sought \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Klamath Basin Restoration Agreement: A Convergence of Opportunity by Paul Simmons \(TWR #49: March 15, 2008\)](#)

[EPA Reversal on 303\(d\) Listing: Klamath River Decision \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Water Quality Ruling on Authority of California & FERC - Klamath Dams \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Klamath River: Pacificorp Agreement in Principle Reached for Dams Removal \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Klamath "Takings" Case: Compensation Questions to be decided by Oregon Supreme Court \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Klamath Settlement: Tribes/Irrigators Water Accord in Klamath Basin Adjudication \(TWR #64, Water Briefs: June 15, 2009\)](#)

[Klamath Dam Removal: Klamath Hydroelectric Settlement Agreement Announced \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Water Right Leases in California: Scott River Water Trust \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Klamath Settlement Agreements: Charting a New Direction by Glen Spain \(TWR #70: Dec. 15, 2009\)](#)

[Klamath Settlement Agreements: Part II by Glen Spain \(TWR #71: Jan. 15, 2010\)](#)

[Lawsuit Challenging Water Right Negotiations in the Klamath Basin Filed by David Moon \(TWR #71: Jan. 15, 2010\)](#)

[Klamath Settlement: Formal Agreements Signed \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Klamath "Takings" - Ownership of Water Rights & the Bureau of Reclamation by David Moon \(TWR #74, April 15, 2010\)](#)

[Klamath River TMDL: California Action Plan Approved \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Klamath 2010 Operations Plan Released by Reclamation \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Tribal Instream Rights: Important Settlement Reached on Klamath Basin Challenges by Douglas MacDougal \(TWR #78: Aug. 15, 2010\)](#)

[Bureau of Reclamation Update: Interview with Reclamation Commissioner Mike Connor by David Moon \(TWR #82: Dec. 15, 2010\)](#)

[Key Tribal Water Developments in the Pacific Northwest by Duane Mecham \(TWR #83: Jan. 15, 2011\)](#)

[Klamath TMDLs: California Plan Approved - Oregon TMDLs Upcoming \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Water "Takings" Decision: Klamath Project Water Users Prevail by David Moon \(TWR #85: March 15, 2011\)](#)

[Klamath Dam Removal: Removal Studies Released by Department of Interior \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Klamath Dams Removal Reports Issued by Interior \(includes Economics and Tribal Summary Technical Report\) \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[Stored Water Release Planned to Supplement Klamath River Flows to Avoid Fish Kills: Reclamation Findings \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Dam & Obstructions Removal - USFWS Fish Passage Report \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Klamath Restoration Agreement - Settlement Extended \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Klamath Dam Removal Overview Report \(Interior\): An Assessment of Science and Technical Information Released \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Klamath Adjudication Update: Administrative Phase Complete - Judicial Review Beginning by Liljefelt & Schroeder \(TWR #111: May 15, 2013\)](#)

[Interior Released FEIS on Klamath River Dam Removal & New Management Plan Dispute \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Klamath BiOp - Operations of Klamath Project Through 2023 Announced by Reclamation \(NMFS & USFWS BiOp\) \(TWR #112, Water Briefs: June 15, 2013\)](#)

[Klamath Adjudication - The Judicial Phase Begins: New Era in Oregon's Contentious Water History by MacDougal, Orford & Timmons \(TWR #113: July 15, 2013\)](#)

[Klamath Basin Coordinating Council Releases Third Annual Report \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Klamath Settlement "Agreement in Principle" Reached Between Klamath Tribes and "Off-Project" Irrigators \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[ESA Settlement by Karuk Tribe & Irrigation District: Dams & Diversions on Shasta River \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Klamath Agreement - Upper Klamath Basin Comprehensive Agreement Reached \(TWR #121, Water Briefs: March 15, 2014\)](#)

[Reclamation Increases Flow Releases - Lower Klamath River Supplement from Trinity Reservoir \(TWR #127, Water Briefs: Sept. 15, 2014\) Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols \(TWR #128, Oct. 15, 2014\)](#)

[Flow Augmentation Releases \(Trinity Reservoir\): Reclamation Releases for Salmon Protection Lower Klamath River \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Water Resource Issues in the 114th Congress-Congressional Research Service Report \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Water Released for Salmon by Reclamation - Injunction by Irrigation Districts Denied \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Klamath Basin Regulation: Time Immemorial Instream Rights of Tribes Protected \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons \(TWR #143: January 15, 2016\)](#)

[Improving the Federal Response to Drought: Five Areas for Reform - PPIC Water Policy Center Report \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Klamath Dams Removal: New Agreement Announced to Move Forward With Klamath Hydroelectric Settlement Agreement \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Dam Removal: New Klamath River Agreements Signed \(TWR #146, Water Briefs: April 15, 2016\)](#)

[SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool \(TWR #146, Water Briefs: April 15, 2016\)](#)

[KNEE DEEP or KNEE DEEP CATTLE COMPANY:](#)

[Citizen Suits Under Clean Water Act - "Diligent Prosecution" Bars Clarified by 9th Circuit \(*Knee Deep* Cited\)\(TWR #114, Water Briefs: August 15, 2013\)](#)

[LACHES:](#)

[NEPA Procedural Ruling in Arizona Snowbowl Case: Claims Found Meritless Under NEPA and APA \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Tribal Groundwater Case: Water Districts' Equitable Defenses Denied \(TWR #145, Water Briefs: March 15, 2016\)](#)

[LAKES MEAD and POWELL \(see also Colorado River Basin\):](#)

[Colorado River 2005 Operating Plan Released \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[The Colorado River - Has It Run Out of Water? by Lawrence J. MacDonnell \(TWR #16: June 15, 2005\)](#)

[Water Shortage: Lake Powell and Lake Mead Management \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Colorado River USGS Report: Management Impacts of Glen Canyon Dam Operations \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[Colorado River Program: "Intentionally Created Surplus" \(TWR #29, Water Briefs: July 15, 2006\)](#)

[The Colorado River: New Operational Guidelines for Lake Powell and Lake Mead by Fulp, Yoder & Blatchford \(TWR #33: Nov. 15, 2006\)](#)

[Colorado River Flows: Grand Canyon Experiment by Dept. of Interior \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Glen Canyon Dam: Colorado River Basin States Propose Alternative for Management Plan \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Southern Nevada Water Authority Article: Low Winter Flows in the Colorado River & Projected Shortages \(TWR #111, Water Briefs: May 15, 2013\)](#)

[The "Fill Mead First" Proposal: Potential Legal Issues Under the Law of the River by Lawrence J. MacDonnell \(TWR #112: June 15, 2013\)](#)

[Colorado River Management & Drought: Lake Powell Releases to be Lowered Significantly by David Moon, Editor \(TWR #115: Sept. 15, 2013\)](#)

[Regional Water Management Cooperation: Study Compares Four Cases in the West by Nathaniel Delano and Sharon B. Megdal \(TWR #121: March 15, 2014\)](#)

[Conservation Plan: Colorado River System Conservation Program Agreement \(Reclamation & Municipal Water\)\(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Lake Powell Releases: Water to Lake Mead Increased for Water Year 2015 \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

[High Flow Release: Glen Canyon Dam Innovative Protocol to Mimic Flood Conditions \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson \(TWR #132: Feb. 15, 2015\)](#)

[Water Banking & Storage Agreement Between SNWA and MWD Supplements California Supplies During Drought \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

[Reservoir Evaporation Losses in the West Studied \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[Utah Navajo Water Rights Settlement Agreement Approved by Navajo Nation Council \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[LANDFILL:](#)

[Landfill Superfund Cleanup Settlement \(Colorado\) \(TWR #19, Water Briefs, September 15, 2005\)](#)

[Stormwater Consent Decree: \\$1 Million Civil Fine for Landfill Violations \(TWR #55, Water Briefs: September 15, 2008\)](#)

Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi (TWR #138, August 15, 2015)

LAND ACQUISITION/PURCHASES:

Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity (TWR #106: Dec. 15, 2012)

Yakima Water Plan: The Other Side of the Story by Evans, Forsgaard, Maykut & Packard (TWR #108: Feb. 15, 2013)

Author's Reply (Yakima Water Plan) by Steve Malloch and Michael Garrity (TWR #108: Feb. 15, 2013)

Natural Infrastructure: Investing in Forested Landscapes for Source Water Protection in the United States (TWR #117, Water Briefs: Nov. 15, 2013)

Community Forest: Yakima Basin Land Purchase Key Step in Yakima Basin Integrated Plan (TWR #117, Water Briefs: Nov. 15, 2013)

Klamath Settlement "Agreement in Principle" Reached Between Klamath Tribes and "Off-Project" Irrigators (TWR #118, Water Briefs: Dec. 15, 2013)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi (TWR #138, August 15, 2015)

Habitat Purchase: Transfer of Land to Tulalip Tribes (TWR #144, Water Briefs: Feb. 15, 2016)

LAND APPLICATION:

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

LAND CONSERVATION:

EPA Enforcement and Compliance Report for 2015 Released (TWR #143, Water Briefs: Jan. 15, 2016)

Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues (TWR #145, Water Briefs: March 15, 2016)

LAND COVER:

Water & Land Use Assessment Tool: California's Locally Adaptable Tool (Water & Stormwater Impacts) by Patterson, Hinds & Lassiter (TWR #119: Jan. 15, 2014)

LANDSCAPING:

Finding “New Water” in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

LAND SUBSIDENCE:

Land Subsidence From Groundwater Pumping: San Joaquin Valley USGS Report Released (TWR #118, Water Briefs: Dec. 15, 2013)

Sustainable Groundwater Management Report Released by California Water Foundation (TWR #124, Water Briefs: June 15, 2014)

Land Subsidence and Groundwater Replenishment in California (TWR #125, Water Briefs: July 15, 2014)

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

San Joaquin Sinking: NASA Subsidence Study (TWR #139, Water Briefs: Sept. 15, 2015)

EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley (TWR #140: Oct. 15, 2015)

LAND SWAP:

Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi (TWR #138, August 15, 2015)

LAND & WATER BALANCE:

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

LAND & WATER CONSERVATION FUND:

Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues (TWR #145, Water Briefs: March 15, 2016)

Land & Water Conservation Fund: \$95 Million to be Distributed - Short of Fully Authorized Level (TWR #146, Water Briefs: April 15, 2016)

LAND USE (see also PLANNING):

Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering (TWR #43, Sept. 15, 2007)

[Municipal Water Law: Washington's Landmark Law Faces Challenges by Jeff B. Kray \(TWR #44, Oct. 15, 2007\)](#)

[Water Management Alternatives: Incorporating "New" Water Management Methods at a Watershed Scale by Cat Shrier \(TWR #56: October 15, 2008\)](#)

[Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith \(TWR #69: Nov. 15, 2009\)](#)

[Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt \(TWR #72: Feb. 15, 2010\)](#)

[Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde \(TWR #83: Jan. 15, 2011\)](#)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[Exempt Wells Decision & Land Use Ruling in Washington: Developers Misuse of Exemption \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Interbasin Transfer Decision in Nevada: Land Use Authority of County Upheld in Transfer Denial \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Stormwater Permits & LID: Washington State's Low Impact Development Requirements by Linsey Payne \(TWR #100: June 15, 2012\)](#)

[Local Land Use Decisions & Water Supply Considerations: New Rules from the Washington Supreme Court by Dave Monthie \(TWR #102: August 15, 2012\)](#)

[Comments on *Land Use & Water Supply*, TWR #102: Sarah Mack & Dave Monthie \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre \(TWR #114: August 15, 2013\)](#)

[New Mexico's Exempt Wells Decision & Protection for Senior Water Users by David Moon \(TWR #114: August 15, 2013\)](#)

[Natural Infrastructure: Investing in Forested Landscapes for Source Water Protection in the United States \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Community Forest: Yakima Basin Land Purchase Key Step in Yakima Basin Integrated Plan \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Watershed Modeling - Climate Change & Urban Development Study Released by EPA \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Water & Land Use Assessment Tool: California's Locally Adaptable Tool \(Water & Stormwater Impacts\) by Patterson, Hinds & Lassiter \(TWR #119: Jan. 15, 2014\)](#)

[New Groundwater Use: Kittitas County Settlement Agreement Signed by Ecology \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Public Trust Doctrine Decision in California: Groundwater Regulation to Protect Rivers \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Pesticides in US Streams & Rivers: USGS Report Compares Data from 1992-2001 & 2002-2011 \(Edited/condensed from USGS\) \(TWR #128, Oct. 15, 2014\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[Water Plan Released in Colorado: Water Supply Strategies \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Finding “New Water” in California: Seminar Review & Commentary by Jungreis and Van Ligten \(TWR #144: Feb. 15, 2016\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a “Values-based” Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

[Green Infrastructure Guidance Announced by WRF: Capital Improvement Project Delivery Methods & Incentives \(TWR #146, Water Briefs: April 15, 2016\)](#)

LATE SEASON FLOW:

[Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin \(TWR #139, Sept. 15, 2015\)](#)

"LAWN IRRIGATION RETURN FLOWS" (LIRFS):

[Transbasin Water Exchanges in Colorado: "Lawn Irrigation Return Flows" \(LIRFs\) \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

"LAW OF THE RIVER" (see also Colorado River Basin):

[The "Fill Mead First" Proposal: Potential Legal Issues Under the Law of the River by Lawrence J. MacDonnell \(TWR #112: June 15, 2013\)](#)

[Colorado River Management & Drought: Lake Powell Releases to be Lowered Significantly by David Moon, Editor \(TWR #115: Sept. 15, 2013\)](#)

[Colorado's Water Plan by Jayla Ryan Poppleton \(TWR #123: May 15, 2014\)](#)

LEACHATE or LEACHATE DISCHARGE:

[Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi \(TWR #138, August 15, 2015\)](#)

LEAD:

[Steam Electric Plants Toxic Pollutants Discharges: Rule Finalized by EPA \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

LEADERSHIP:

[Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner \(TWR #132: Feb. 15, 2015\)](#)

LEARNING CAPACITY:

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

LEASE-FALLOW TOOL:

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

LEASING WATER or LEASES (see also Water Markets and Instream Rights):

Leasing Water - Yakima Basin Drought Response (TWR #14, Water Briefs: April 15, 2005)

Pecos River Lawsuit Filed - ESA Violations Alleged Against Bureau of Reclamation and Corps of Engineers (TWR #26, Water Briefs: April 15, 2006)

Untapping Tribal Waters: Tribal Water Marketing Expanding by Clay J. Landry and Christina Quinn (TWR #35: January 15, 2007)

Water Resources Cash Fund Created in Nebraska (TWR #40, Water Briefs; June 15, 2007)

Groundwater in Texas: Marketability and Market Value by Bruce K. Darling (TWR #41: July 15, 2007)

Instream Flow Restoration: Cooperative, Free-Market Solutions in Oregon by Fritz Paulus (TWR #43, Sept. 15, 2007)

Healthy Rivers Act: Instream Flows in Colorado (TWR #51, Water Briefs: May 15, 2008)

Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell (TWR #56: October 15, 2008)

Agricultural Water to Municipal Use: The Legal and Institutional Context for Voluntary Transactions in Arizona bt Eden, Glennon, Ker, Libecap, Megdal and Shipman (TWR #58: December 15, 2008)

Pecos River Compact Compliance: New Mexico's Compliance Program Meets With Success by James C. Brockmann (TWR #61: March 15, 2009)

Water Marketing in Texas: Selling or Leasing of Groundwater and Surface Water Rights by Edmond R. McCarthy, Jr. (TWR #62: April 15, 2009)

Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge (TWR #64: June 15, 2009)

The Colorado Water Trust: Western Water Trusts & the Colorado Experience by Amy W. Beatie (TWR #66: August 15, 2009)

New Water Market Website for Washington Agency (Ecology) Programs (TWR #72, Water Briefs: Feb. 15, 2010)

Groundwater Withdrawal Limits in Washington: Emergency Rule Extended (TWR #74, Water Briefs: April 15, 2010)

Northwest Water Marketing: Re-Allocating Water in the Pacific Northwest by Richard A. Slaughter (TWR #77: July 15, 2010)

[Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak \(TWR #81: November 15, 2010\)](#)

[Nebraska's Evolving Water Law: Challenges and Opportunities Part I by Mary E. Kelly \(TWR #81: November 15, 2010\)](#)

[Nebraska's Evolving Water Law: Challenges & Opportunities - Part II by Mary E. Kelly \(TWR #82: Dec. 15, 2010\)](#)

[Tribal Water Lease: Central Arizona Project Water to Municipality \(Reclamation FONSI Issued\) \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Wyoming Streamflow Restoration: History, Update & Current Strategies by Scott Yates \(TWR #86: April 15, 2011\)](#)

[Multi-Sector Water Sharing \(Agricultural-Urban-Environmental\): Innovative Strategies for the Colorado River Basin & the West by Smith \(TWR #88: June 15, 2011\)](#)

[Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses by Drew Beckwith \(TWR #93: Nov. 15, 2011\)](#)

[Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whychus Creek by Pamela Thalacker \(TWR #101: July 15, 2012\)](#)

[Request for Water 2012: Pilot Leasing Program in Colorado \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie \(TWR #105: Nov. 15, 2012\)](#)

[Water Leasing Pilot Program Summary: The Colorado Water Trust's 2012 Leases \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Water Transfers in the West by Carlee Brown \(TWR #107: January 15, 2013\)](#)

[Klamath Settlement "Agreement in Principle" Reached Between Klamath Tribes and "Off-Project" Irrigators \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Instream Transfers in California: Leasing Water to Enhance Environmental Flows \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol \(TWR #121: March 15, 2014\)](#)

[Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani \(TWR #123: May 15, 2014\)](#)

[Tribal Water Leasing: Federal Tribal Land Leasing Laws Should Be Extended to Tribal Water Leases by Ryan A. Smith \(TWR #125: July 15, 2014\)](#)

[Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin \(TWR #130: Dec. 15, 2014\)](#)

[Reverse Auction for Leasing Instream Flow in Washington \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones \(TWR #138, August 15, 2015\)](#)

[Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin \(TWR #139, Sept. 15, 2015\)](#)

[Reservoir Release in Colorado - Lease Agreement for Instream Flow to Benefit Endangered Fish \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug](#)

(TWR #143: January 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Utah Navajo Water Rights Settlement Agreement Approved by Navajo Nation Council (TWR #144, Water Briefs: Feb. 15, 2016)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap (TWR #148: June 15, 2016)

Tribal Water Lease in Idaho: Storage Rights to Mitigate for Groundwater Use (TWR #148, Water Briefs: June 15, 2016)

LEGACY:

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

LEGAL EXPOSURE:

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

"LEGAL IMPAIRMENT" STANDARD:

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

"LEGAL INJURY":

Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon (TWR #141: Nov. 15, 2015)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

LEGAL OBLIGATIONS:

Water Quality Standards Development: EPA Recommendations for Priority Actions for States & Tribes (TWR #146, Water Briefs: April 15, 2016)

LEED CERTIFICATION:

Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, (TWR #122: April 15, 2014)

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

LEGISLATIVE INTENT (see also INTENT):

Instream Flows Decision in Washington: Protection from Impairment - Reserved Use Rule (Reservation) Invalid by David Moon (TWR #116: Oct. 15, 2013)

Preferences During Shortage Rejected in Texas - "Senior" Water Rights Protected (TWR #135, Water Briefs: May 15, 2015)

LEGISLATIVE MANDATE:

Preferences During Shortage Rejected in Texas - "Senior" Water Rights Protected (TWR #135, Water Briefs: May 15, 2015)

LENDER:

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

LEVEES:

Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation by Molly Lawrence (TWR #131: Jan. 15, 2015)

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

LIABILITY and LIABILITY LIMIT:

Transboundary Pollution Case Continues - Agreement Conceding Liability Reached Just Before Trial (TWR #104, Water Briefs: Oct. 15, 2012)

Federal ESA Decisions: Return of *Sweet Home* in Texas Whooping Crane Case by Richardson, Weinberg, Wang & Fansler (TWR #126: Aug. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon (TWR #132: Feb. 15, 2015)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

LIENS:

Superfund Lien: Past Cleanup Costs (TWR #17, Water Briefs: July 15, 2005)

LIMITED LICENSE:

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

“LIQUID ASSETS”:

Liquid Assets: Investing for Impact in the Colorado Basin - Investment Blueprint Released (TWR #146, Water Briefs: April 15, 2016)

“LIQUID MARKETS”:

Unbundling Water Rights: Pilot Program Anticipated in Nevada’s Diamond Valley / Excerpts from “Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States” by Mike Young (TWR #144: Feb. 15, 2016)

LISTING:

ESA Listing Decision in Montana: Arctic Grayling Not Listed Due to Successful Collaboration (TWR #127, Water Briefs: Sept. 15, 2014)

LIVESTOCK:

Agricultural Conservation: USDA Program Incentives & CRP-Grasslands Initiative (TWR #138, Water Briefs: August 15, 2015)

LIVESTOCK WASTE:

Nutrient Recycling: EPA's Livestock Waste Competition (TWR #142, Water Briefs: Dec. 15, 2015)

LOCAL AGENCY CONTROL:

California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon (TWR #128, Oct. 15, 2014)

California Groundwater Regulation - Into the Trenches: An Early Assessment of California’s New Groundwater Legislation by David Aladjem (TWR #135: May 15, 2015)

LOCAL CONDITIONS:

Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations (Congressional Research Service) by Claudia Copeland (TWR #128, Oct. 15, 2014)

LOCAL MANAGEMENT:

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

LOGGING (see also FOREST PRACTICES):

Water Quality and Logging: California Water Agency Authority Upheld (TWR #24, Water Briefs: February 15, 2006)

Wood Waste & Water: Washington State's New Wood Waste Cleanup Push by Thiele, Steding & Hermann (TWR #39: May 15, 2007)

Logging Road Runoff: U.S. Loggers Lose an Important Clean Water Act Exemption by Jeffrey J. Miller & Robert A. Maynard (TWR #79, Sept. 15, 2010)

Coastal Logging: Water Quality Lawsuit Impacts State Logging Practices - Enforceable Nonpoint Limits to be Established (TWR #80, Water Briefs: Oct. 15, 2010)

New EPA Stormwater Rules Issued on Logging Roads Runoff Just Before Supreme Court Argument (TWR #106, Water Briefs: Dec. 15, 2012)

Aboriginal Title Decision in Canada: Implementation of Natural Resource and Energy Policy (TWR #126, Water Briefs: Aug. 15, 2014)

LONESOME LARRY:

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

LONG-TERM VIABILITY:

Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith (TWR #133: March 15, 2015)

LOW IMPACT DEVELOPMENT (see also Stormwater):

Military MS4 Permit in Washington - Draft EPA Permit Includes LID (TWR #96, Water Briefs: Feb. 15, 2012)

LID Stormwater Retrofitting: Application to Residential Areas Around Puget Sound by Amalia Leighton (TWR #97: March 15, 2012)

[Stormwater Permits & LID: Washington State's Low Impact Development Requirements by Linsey Payne \(TWR #100: June 15, 2012\)](#)

[Ben Grumbles & The U.S. Alliance: Interview by Tom Lindley \(TWR #104: Oct. 15, 2012\)](#)

[Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson \(TWR #106: Dec. 15, 2012\)](#)

[Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase \(TWR #108: Feb. 15, 2013\)](#)

[Washington Stormwater Center: Projects Update by Lisa Rozmyn \(TWR #109: March 15, 2013\)](#)

[Low Impacts Permits - American Rivers' Guide to LID Permitting \(TWR #109, Water Briefs: March 15, 2013\)](#)

[Water & Land Use Assessment Tool: California's Locally Adaptable Tool \(Water & Stormwater Impacts\) by Patterson, Hinds & Lassiter \(TWR #119: Jan. 15, 2014\)](#)

[Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, \(TWR #122: April 15, 2014\)](#)

[Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheaume \(TWR #139, Sept. 15, 2015\)](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

[LA's Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan \(TWR #141: Nov. 15, 2015\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[LOW-INCOME USERS:](#)

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

[LOW RECHARGE WELL:](#)

[Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield \(TWR #148: June 15, 2016\)](#)

[LOW-THREAT CLOSURE POLICY:](#)

[Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder \(TWR #139, Sept. 15, 2015\)](#)

[MAGIC FORMULA:](#)

[Temporary Flooding Can Constitute 5th Amendment Takings: U.S. Supreme Court Decision \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

MAGNUSON-STEVENSON ACT:

Water Released for Salmon by Reclamation - Injunction by Irrigation Districts Denied (TWR #139, Water Briefs: Sept. 15, 2015)

MANAGED AQUIFER RECHARGE:

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Evan Mortimer & David R. Tuthill (TWR #129: Nov. 15, 2014)

Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

MANAGEMENT STRUCTURE/SYSTEMS:

New Water Management Model: The Umatilla Basin Water Commission - Counties, Irrigation District & Confederated Tribes Form Administrative Body by Martha Pagel (TWR #87: May 15, 2011)

Arizona Groundwater Management by Sharon B. Megdal (TWR #104: Oct. 15, 2012)

Cooperative Watershed Management Program (WaterSMART): Reclamation Funding - Applications Sought (TWR #111, Water Briefs: May 15, 2013)

Groundwater Workplan Concept Paper Discussion Draft Released by State Water Resources Control Board (TWR #117, Water Briefs: Nov. 15, 2013)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

MANDATED REDUCTIONS:

Drought Compliance in California: Urban Use Reduced By 27% (TWR #138, Water Briefs: August 15, 2015)

MARCELLUS BASIN and MARCELLUS SHALE:

"Hydraulic Fracturing Water Use Variability in the United States and Potential Environmental Implications" - USGS (TWR #137, Water Briefs: July 15, 2015)

MANDATORY RESTRICTIONS:

Mandatory Water Use Restrictions in California: Governor's Executive Order a First (TWR #134, Water Briefs: April 15, 2015)

Water Conservation in California: State Water Board Issues Expanded Emergency Regulation (TWR #134, Water Briefs: April 15, 2015)

MANHOLE INSTALLATION:

Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill (TWR #134: April 15, 2015)

"MANUFACTURED WATER":

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

MAPPING:

Fish Habitat: NOAA Mapping Tool Online (TWR #58, Water Briefs: December 15, 2008)

Clean Water Act Enforcement - EPA Updates Data & Mapping Webtool (TWR #86, Water Briefs: April 15, 2011)

Enforcement and Compliance History Online (ECHO): New Interactive Mapping Feature (TWR #92, Water Briefs: Oct. 15, 2011)

Water Quality Assessment Map Announced in Utah: Tool for Beneficial Uses and Water Quality Conditions (TWR #111, Water Briefs: May 15, 2013)

EPA Reaches Agreement With ADOT to Improve Stormwater Management (TWR #111, Water Briefs: May 15, 2013)

Agricultural Conservation Report: *Water to Supply the Land: Irrigated Agriculture in the Colorado River Basin* (TWR #112, Water Briefs: June 15, 2013)

Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation by Molly Lawrence (TWR #131: Jan. 15, 2015)

The Wyoming Water and Climate Web Atlas Released (TWR #138, Water Briefs: August 15, 2015)

Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study (TWR #140, Water Briefs: Oct. 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

Harmful Algal Blooms: EPA Releases Strategic Plan of Drinking Water (TWR #142, Water Briefs: Dec. 15, 2015)

Drinking Water Mapping Application to Protect Source Waters (DWMAPS): Mapping Tool Released by EPA (TWR #145, Water Briefs: March 15,

2016)

MARGINAL QUALITY WATER USE:

Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board (TWR #136: June 15, 2015)

MARIJUANA:

Marijuana & Water Use: Illegal Farms Impact Coho Salmon in Northern California & Southern Oregon (TWR #128, Water Briefs, Oct. 15, 2014)

MARINE LIFE MORTALITY:

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

MARINE MAMMAL PROTECTION ACT:

ESA Permits - NOAA Online Guide (TWR #14, Water Briefs: April 15, 2005)

MARINE TERMINAL:

Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill (TWR #134: April 15, 2015)

MARKET ADMINISTRATION:

Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap (TWR #148: June 15, 2016)

MARKET EQUILIBRIUM:

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

MARKET SIGNALS:

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

MASSACHUSETTS:

Phosphorus Removal: EPA Case Study of Watershed Approach by Municipalities (TWR #134, Water Briefs: April 15, 2015)

MATERIAL ERRORS:

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

MATERIAL INJURY:

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

MAXIMUM CONTAMINANT LEVELS (MCLs):

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

Finding "New Water" in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

"MAXIMUM EXTENT PRACTICABLE":

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

MAXIMUM NET BENEFITS:

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

MAXIMUM USE or MAXIMUM BENEFICIAL USE (Ssee also Beneficial Use):

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

"Importance of Water" Report Released by EPA (TWR #118, Water Briefs: Dec. 15, 2013)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Small Scale Hydropower & Ditch Easements: Colorado Decision Applies "No Injury Rule" and Maximum Use by David Moon (TWR #136: June 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

McCARRAN AMENDMENT (see also STATE v. FEDERAL; ADJUDICATIONS):

Water Rights & Regulatory Authority Issues: Chickasaw & Choctaw Nations File Lawsuit Opposing Water Transfer by David Moon (TWR #91: Sept. 15, 2011)

Indian Water Right Negotiations: Interior's Considerations When Appointing Federal Negotiation Teams by Duane Mecham (TWR #111: May 15, 2013)

Klamath Adjudication Update: Administrative Phase Complete - Judicial Review Beginning by Liljefelt & Schroeder (TWR #111: May 15, 2013)

CSKT Water Rights Compact Unratified: Montana Legislature Refuses to Ratify Confederated Salish and Kootenai Tribes Compact by Weiner & Stermitz (TWR #114: August 15, 2013)

Acquavella Update: Washington's 36-Year Old Water Rights Adjudication Nears An End by Jeff Kray (TWR #115: Sept. 15, 2013)

Tribal Water Lawsuit: Ownership of Water Rights in Montana - State v. Federal Jurisdiction (TWR #122, Water Briefs: April 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

MEASUREMENT ISSUES/METERING:

Stormwater Fine (Washington Dept. of Ecology) - Measurement Issue (TWR #5, Water Briefs: July 15, 2004)

Irrigation Fine - Failure to Measure (Washington) - (TWR #7, Water Briefs: September 15, 2004)

Irrigation System Efficiency: Emerging Technologies by Mac McKee (TWR #46: December 15, 2007)

Interstate Groundwater Allocation: Nevada - Utah Draft Snake Valley Management Agreement by David Moon (TWR #67: September 15, 2009)

Nebraska's Evolving Water Law: Challenges and Opportunities Part I by Mary E. Kelly (TWR #81: November 15, 2010)

Illegal Use of Well: Commercial Use of Domestic Well in New Mexico (TWR #80, Water Briefs: Oct. 15, 2010)

Environmental Markets: Using Environmental Markets to Expand the Pace and Scale of Restoration by Alan Horton and Marley Gaddis (TWR #94: Dec. 15, 2011)

Agricultural Water Measurement Regulation: Final Regulations Adopted in California (TWR #102, Water Briefs: August 15, 2012)

Tribal Water Compact: Proposed Settlement Released in Montana (TWR #106, Water Briefs: Dec. 15, 2012)

Storage to Retention: Expanding California's Options for Meeting Its Water Needs - Roundtable on Water & Food Supply (TWR #106, Water Briefs: Dec. 15, 2012)

Progress Toward Establishing a National Assessment of Water Availability and Use - Interior Water Census (TWR #110, Water Briefs: April 15, 2013)

Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon (TWR #118, Dec. 15, 2013)

Watershed Planning Implementation and Flow Achievement: Washington Grant Cycle (TWR #133, Water Briefs: March 15, 2015)

Mandatory Water Use Restrictions in California: Governor's Executive Order a First (TWR #134, Water Briefs: April 15, 2015)

Setting Measurable Objectives to Achieve Sustainable Groundwater Management in California (TWR #140, Water Briefs: Oct. 15, 2015)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

Measuring & Reporting in California: Diversion Regulations Adopted (TWR #144, Water Briefs: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

MEDIA FILTRATION/MEDIA PACKS:

Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill (TWR #134: April 15, 2015)

MEDIA-SPECIFIC CRITERIA:

Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder (TWR #139, Sept. 15, 2015)

MEGADROUGHT:

Ongoing Drought in the Southwest and Central Plains: Climate Change Megadrought Predicted (TWR #133, Water Briefs: March 15, 2015)

MEMBRANE BIOREACTOR:

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

MEMBRANE LINERS:

Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi (TWR #138, August 15, 2015)

MERCURY:

Mercury Contamination: A West Coast Perspective by Katherine Futornick, Gary Bigham, and Betsy Henry (TWR #31; September 15, 2006)

Analysis of Mercury in Water and Sediment by James Ateer, Betsy Henry, Kathi Futornick, Gary Bigham (TWR #32: October 15, 2006)

Mercury Study of Rivers in West Released (EPA & OSU) (TWR #36, Water Briefs: February 15, 2007)

Clean Water Act Mercury Listing - EPA Guidance (TWR #38, Water Briefs: April 15, 2007)

Mercury Reduction Programs: Overview of Several Western States by Katherine Futornick and Gary Bigham (TWR #39: May 15, 2007)

Columbia River Toxics: EPA's Columbia River Basin State of the River Report for Toxics by Mary Lou Soscia and Kim Johnson (TWR #58: December 15, 2008)

Methylmercury Study: Seafood Contamination and Long-Range Ocean Transport (TWR #63, Water Briefs: May 15, 2009)

[Mercury Advisory: Fish Consumption Limits in Arizona \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Mercury Contamination in Fish: USGS Nationwide Study \(TWR #67: September 15, 2009\)](#)

[Mercury Contamination in Arizona: Fish Consumption Advisory Issued by ADEQ \(TWR #90, Water Briefs: August 15, 2011\)](#)

[2008-2009 National Rivers and Stream Assessment - EPA Stream Survey \(TWR #110, Water Briefs: April 15, 2013\)](#)

[EPA Proposing to Amend Effluent Limitations Guidelines & Standards for Steam Electric Power Generating \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Mine Permit Appealed From ADEQ Decision: Aquifer Protection Permit in Arizona \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Mercury Fish Consumption Report by EPA: Women's Blood-Levels Decline \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Fish Consumption: FDA & EPA Issue Updated Draft Advice \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell \(TWR #126: August 15, 2014\)](#)

[Steam Electric Plants Toxic Pollutants Discharges: Rule Finalized by EPA \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Nevada's 303\(d\) List Show Progress on Impaired Waterways \(TWR #146, Water Briefs: April 15, 2016\)](#)

METALS:

[Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell \(TWR #126: August 15, 2014\)](#)

[Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill \(TWR #134: April 15, 2015\)](#)

[Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi \(TWR #138, August 15, 2015\)](#)

[Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheaume \(TWR #139, Sept. 15, 2015\)](#)

[Fracking Spills in North Dakota: Duke University Study on Widespread Water & Soil Contamination \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Nevada's 303\(d\) List Show Progress on Impaired Waterways \(TWR #146, Water Briefs: April 15, 2016\)](#)

METALS REMOVAL:

[Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheaume \(TWR #139, Sept. 15, 2015\)](#)

METHANE GAS:

Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly (TWR #131: Jan. 15, 2015)

Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi (TWR #138, August 15, 2015)

Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues (TWR #145, Water Briefs: March 15, 2016)

Fracking & Drinking Water Sources: Stanford Researchers Show Fracking's Impact to Drinking Water Sources by Rob Jordan (TWR #146: April 15, 2016)

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA:

California Water Market: Metropolitan Water District Authorizes Water Rights Purchases (TWR #46, Water Briefs: December 15, 2007)

Secret Society - Shadow Government Alleged in California (TWR #98, Water Briefs: April 15, 2012)

Water Purchases: Metropolitan Water District's Board Authorizes \$71 Million for Ag Water Transfers & Promotes Conservation (TWR #134, Water Briefs: April 15, 2015)

Urban Water Conservation in Southern California: Encouraging Conservation Through Tradeable Allocations & Market Mechanisms by Bond, Motlow, Steely, Wang & Libecap (TWR #136: June 15, 2015)

Conservation Program Expanded: MWD of Southern California Adopts in Face of Drought (TWR #136, Water Briefs: June 15, 2015)

Rate Case Award for Illegal Water Rates: \$188 Million in Damages (TWR #138, Water Briefs: August 15, 2015)

Water Banking & Storage Agreement Between SNWA and MWD Supplements California Supplies During Drought (TWR #140, Water Briefs: Oct. 15, 2015)

Metropolitan Water District of Southern California Found Liable for \$8.9 Million in Attorney's Fees in Rate Case (TWR #146, Water Briefs: April 15, 2016)

MEXICO/CANADA WATER RIGHTS and INTERNATIONAL ISSUES (see also JURISDICTION):

Bennett Raley, Assistant Secretary of the Interior - Interview by David Moon (TWR #7: Sept. 15, 2004)

Law of the Rio Grande (Report from the 6th Annual Conference) by David Moon, Editor (TWR #13: March 15, 2005)

US-Mexico Agreement on Mexico Water Debt (TWR #14, Water Briefs: April 15, 2005)

US-Mexico Report Assesses Resources (TWR #14, Water Briefs: April 15, 2005)

The Colorado River - Has It Run Out of Water? by Lawrence J. MacDonnell (TWR #16: June 15, 2005)

[Nogales Wastewater Treatment: International Issues Impact Progress by Joe Gelt \(TWR #27: May 15, 2006\)](#)

[All-American Canal Lining Halted: 9th Circuit Injunction \(TWR #31, Water Briefs: Sept. 15, 2006\)](#)

[New Reservoir Approved for Colorado River Water \(Bureau of Reclamation\) \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Transboundary Pollution - 9th Circuit Order Appealed \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Colorado River Basin Agreement \(Editor's Addendum\) \(TWR #39: May 15, 2007\)](#)

[Transboundary CERCLA Case: Supreme Court Requests Federal Brief \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Rio Grande Settlement Between New Mexican & Texan Irrigation Districts: Dispute Over Interstate Surface & Groundwater by Moon \(TWR #50: April 15, 2008\)](#)

[Wetlands: US/Mexico Joint Treatment Project \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Tribal Liability: Decision Holds No CERCLA Liability Against Tribes in Transboundary Case \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Litigation on the Colorado River: Conflicts in Search of Solutions by Michael Gheleta \(TWR #67: September 15, 2009\)](#)

[Desalination Pilot Run: Yuma Desalting Plant \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[New Era of Interbasin Water Transfers: Part II by Barbara Cosens \(TWR #73: March 15, 2010\)](#)

[Yuma Desalting Plant Pilot Program Started/ DROP 2 Storage Reservoir Celebration \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Bureau of Reclamation Update: Interview with Reclamation Commissioner Mike Connor by David Moon \(TWR #82: Dec. 15, 2010\)](#)

[US - Mexico Agreement: Colorado River Water Deliveries \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Colorado River Basin Supply & Demand Study by Carly Jerla, Terry Fulp, and Pam Adams \(TWR #90: August 15, 2010\)](#)

[Colorado Basin Study - Basin Water Supply & Demand Study Update by Carly Jerla, James Prairie, & Pam Adams \(TWR #100: June 15, 2012\)](#)

[US-Mexico Border Water Infrastructure Program's Annual Report for 2011 Issued by EPA \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Colorado River Management: Planning, Agreeing & Acting by Ted Kowalski \(TWR #107: January 15, 2013\)](#)

[Tribal Claims to the Colorado River by Ryan Smith \(TWR #109: March 15, 2013\)](#)

[US-Mexico Border Water Infrastructure Program 2012 Annual Report - Released by EPA \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Texas Accuses Mexico of Withholding Water from Rio Grande: IBWC Urged to Compel Delivery \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Southern Nevada Water Authority Article: Low Winter Flows in the Colorado River & Projected Shortages \(TWR #111, Water Briefs: May 15, 2013\)](#)

[The "Fill Mead First" Proposal: Potential Legal Issues Under the Law of the River by Lawrence J. MacDonnell \(TWR #112: June 15, 2013\)](#)

[Agricultural Conservation Report: *Water to Supply the Land: Irrigated Agriculture in the Colorado River Basin* \(TWR #112, Water Briefs: June 15, 2013\)](#)

["Addressing Mexico's Water Deficit to the United States" - Report Released by Texas Officials Concerning the Rio Grande \(TWR #113, Water Briefs: July 15, 2013\)](#)

[Colorado River Management & Drought: Lake Powell Releases to be Lowered Significantly by David Moon, Editor \(TWR #115: Sept. 15, 2013\)](#)

[U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service \(TWR #118, Dec. 15, 2013\)](#)

[Groundwater Threat: Colorado River Basin Groundwater Use Report by NASA and UC Irvine \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Columbia River Treaty Options: Protocols for Transboundary Adaptive Management Examined by Bankes & Cosens \(TWR #129: Nov. 15, 2014\)](#)

[Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond \(TWR #130: Dec. 15, 2014\)](#)

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

[Infrastructure Funds: EPA Newsletter & Website \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[Clean Watersheds Needs Survey Released by EPA \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

-

[MICROBEADS \(see also PLASTIC MICROBEADS\):](#)

[Microbeads Banned in US By Federal Legislation \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[MICROBIAL MEASUREMENT:](#)

[Recreational Criteria for Water Quality Standards: Overview & Technical Support by EPA \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[MICROBIAL RISK:](#)

[Reuse & Conservation: EPA Research Funding Announced \(TWR #146, Water Briefs: April 15, 2016\)](#)

[MICRO-IRRIGATION:](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[MICROPLASTIC POLLUTION:](#)

[Microbeads Banned in US By Federal Legislation \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

MICRO-TUNNELING:

Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi (TWR #138, August 15, 2015)

MIGRATORY BIRDS:

Wetlands Grants & Migratory Birds Acquisitions Made by Department of Interior (TWR #92, Water Briefs: Oct. 15, 2011)

MINE CONTAMINATION and REMEDIATION:

Superfund Lien: Past Cleanup Costs (TWR #17, Water Briefs: July 15, 2005)

Mining Megasite Cleanup: CERCLA Remedies Adapt to Circumstances in Butte, Montana by Angela Frandsen (TWR #26: April 15, 2006)

Aquifer Protection Permit: ADEQ & Phelps Dodge Consent Order (TWR #29, Water Briefs: July 15, 2006)

Mercury Contamination: A West Coast Perspective by Katherine Futornick, Gary Bigham, and Betsy Henry (TWR #31; September 15, 2006)

Transboundary Pollution - 9th Circuit Order Appealed (TWR #37, Water Briefs: March 15, 2007)

Mine Tailings Discharge Violation Issued in Arizona (TWR #40, Water Briefs; June 15, 2007)

Good Samaritan Settlement Agreements: CERCLA Tool for Mine Cleanup (TWR #41, Water Briefs: July 15, 2007)

Superfund Success: Restoration Project in Montana (TWR #45, Water Briefs: Nov. 15, 2007)

Discharges Ruling: NPDES Prohibition on Impaired Waterways (TWR #45, Water Briefs: Nov. 15, 2007)

Impaired Waters and Permitting: Implications of the *Pinto Creek* Decision by Jeremy N. Jungreis (TWR #46: December 15, 2007)

Drinking Water Cleanup (Sulfate): Arizona Dept. of Environmental Quality (TWR #48, Water Briefs: February 15, 2008)

Superfund Settlement: \$187 Million River Cleanup (TWR #48, Water Briefs: February 15, 2008)

Mine Restoration & Dam Removal in Montana (TWR #51, Water Briefs: May 15, 2008)

Aquifer Protection Permits Announced for Mining in Arizona: Groundwater Quality Protection (TWR #55, Water Briefs: September 15, 2008)

NPDES Ruling: US Supreme Court Denies Appeal in *Friends of Pinto Creek v. EPA* (TWR #60, Water Briefs: Feb. 15, 2009)

Water Planning & Uncertainty: Colorado Perspectives - An Update From the Colorado Water Congress' Annual Meeting by Shrier (TWR #61: March 15, 2009)

Balancing Resource Protection & Economic Development: An Early Assessment of Emerging Water Policies in the Obama Administration by

[Sensiba & Swenson \(TWR #66: August 15, 2009\)](#)

[Mercury Contamination in Fish: USGS Nationwide Study \(TWR #67: September 15, 2009\)](#)

[NPDES Violations for Mine in Alaska: EPA Enforcement Action \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Groundwater Investigation Funded Via Uranium Contamination Agreement \(Tribal Land in Arizona \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Oregon Governor Calls for Mining Withdrawal and Federal Lands Protection \(Suction Dredging\) \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[HAZWASTE Cleanup: EPA To Distribute \\$1.79 Billion From Largest Ever Enviro-Bankruptcy \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Clean Water Act Enforcement - Gravel Mining Impacts Wetlands in Colorado \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Groundwater Settlement in New Mexico: Mining Release Result in \\$13 Million Damages \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Abandoned Coal Mines Cleanup Grants Available from Interior \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Stormwater Agreement in Utah: Unpermitted Discharges Penalty for Quarry Runoff \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Suction Dredge Mining Moratorium in California Extended to 2016 \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Uranium Mine on Navajo Nation Land: EPA Cleanup Plan Announced \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Grand Canyon Mining: Uranium Mining Ban \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey \(TWR #97: March 15, 2012\)](#)

[Orphan Mine Sites: "Good Samaritans" Liability Clarified to Encourage Cleanup \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Uranium Decontamination Cleanup: EPA Five-Year Plan Report on Progress \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Pipeline Spill & Water Quality Violations: ADEQ Enforcement for Silver Bell Mining \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Mining Bill Vetoed by Governor in Montana: Groundwater & Surface Water Impacts Cited \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Mine Permit Appealed From ADEQ Decision: Aquifer Protection Permit in Arizona \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson \(TWR #118, Dec. 15, 2013\)](#)

[An Assessment of Potential Mining Impacts on Salmon Ecosystems of Bristol Bay, Alaska: EPA Report \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[EPA Settlement-Uranium Contamination Finalized: \\$5.15 Billion From Handiwork and Kerr-McGee \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[EPA Enforcement & Compliance Report for 2014 \(TWR #133, Water Briefs: March 15, 2015\)](#)

MINIMUM ALLOCATION:

[Federal Breach of Contract: Reclamation Loses Appeal on Breach of Contract Claim by David Moon \(TWR #127: Sept. 15, 2014\)](#)

[MINIMUM FLOWS \(see also INSTREAM FLOWS:](#)

[Southeast Water Sharing Plan Proposed by Reclamation \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Klamath Settlement Agreements: Part II by Glen Spain \(TWR #71: Jan. 15, 2010\)](#)

[Tribal Protection: Exempt Wells Moratorium in Washington \(TWR #88, Water Briefs: June 15, 2011\)](#)

[Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie \(TWR #89: July 15, 2011\)](#)

[Conjunctive Management of Surface & Ground Water in Idaho \(Public-Private Partnerships\) by Tuthill, Rassier & Anderson \(TWR #108: Feb. 15, 2013\)](#)

[U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service \(TWR #118, Dec. 15, 2013\)](#)

[Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon \(TWR #141: Nov. 15, 2015\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

["MINING" of Groundwater - DEPLETION \(see also GROUNDWATER & WATER AVAILABILITY\):](#)

[Las Vegas Water Rights Decision - Judge Overturns State Engineer Approvals by David Moon \(TWR #119: Jan. 15, 2014\)](#)

[Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. \(TWR #121: March 15, 2014\)](#)

[Regional Water Management Cooperation: Study Compares Four Cases in the West by Nathaniel Delano and Sharon B. Megdal \(TWR #121: March 15, 2014\)](#)

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

[Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey \(TWR #130: Dec. 15, 2014\)](#)

[Groundwater Orders in Nevada: Las Vegas Applications Back to State Engineer for Decision \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Proposed Reallocation of Non-Indian Agricultural Water in the Central Arizona Project \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

MINING ACT OF 1872:

Easements On and Over Federal Lands by Daniel H. Israel (TWR #8: Oct. 15, 2004)

National Forest Activities: Gold Mining Decision Has Wide Implications by David Moon (TWR #34: December 15, 2006)

Oregon Governor Calls for Mining Withdrawal and Federal Lands Protection (Suction Dredging) (TWR #69, Water Briefs: Nov. 15, 2009)

Mining Law & the Endangered Species Act Decision - Section 7 Consultation Required (TWR #100, Water Briefs: June 15, 2012)

Suction Dredge Mining Halted in California - Governor Continues Moratorium (TWR #101, Water Briefs: July 15, 2012)

ESA & 1872 Mining Act Decision (Suction Dredge Impacts) - ESA Trumps (TWR #110, Water Briefs: April 15, 2013)

Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson (TWR #118, Dec. 15, 2013)

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

Suction Dredging Moratorium Upheld in Oregon (TWR #146, Water Briefs: April 15, 2016)

MINING (USE):

Mining Violations & Clean Water Act Settlement in Idaho (TWR #137, Water Briefs: July 15, 2015)

Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon (TWR #141: Nov. 15, 2015)

EPA Enforcement and Compliance Report for 2015 Released (TWR #143, Water Briefs: Jan. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Office of Inspector General's Report on EPA's Actions & Decision on Alaska's Bristol Bay Watershed (TWR #144, Water Briefs: Feb. 15, 2016)

Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues (TWR #145, Water Briefs: March 15, 2016)

Suction Dredging Moratorium Upheld in Oregon (TWR #146, Water Briefs: April 15, 2016)

"MINUTE" PROCESS:

U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service (TWR #118, Dec. 15, 2013)

MISSISSIPPI RIVER:

Mississippi River Nutrients: Gulf Dead Zone (TWR #53, Water Briefs: July 15, 2008)

Gulf "Dead Zone" - NOAA's Dire Forecast (TWR #65, Water Briefs: July 15, 2009)

Nutrient Reduction Strategies Devised by Hypoxia Task Force-Gulf States (TWR #133, Water Briefs: March 15, 2015)

MISSOURI RIVER:

Final EIS: Missouri River Master Manual (TWR #2, Water Briefs: April 15, 2004)

Montana Amicus Brief Seeks Supreme Court Review (TWR #1, Water Briefs: March 15, 2004)

River Management & the ESA: Missouri River Litigation (Navigation Versus Fish & Wildlife) by Hayes, Schneider & Sturkie (TWR #4: June 15, 2004)

Missouri River Ruling Announced - River Flows & ESA (TWR #5, Water Briefs: July 15, 2004)

Missouri River Appeal Consolidated Case: Flows and ESA (TWR #6, Water Briefs: Aug. 15, 2004)

The Role of Science in the ESA: Balancing the Needs of Protected Species by Michael G. Thabault (TWR #9: Nov. 15, 2004)

Missouri River Operating Plan: Spring Pulse Delay (TWR #25, Water Briefs: March 15, 2006)

Missouri River 2006 Spring Pulse: Storage Releases by Corps of Engineers from Upstream Reservoirs (TWR #28, Water Briefs, June 15, 2006)

Untapping Tribal Waters: Tribal Water Marketing Expanding by Clay J. Landry and Christina Quinn (TWR #35: January 15, 2007)

Laws of the Rivers: Compendium for Major Interstate Rivers (TWR #37: March 15, 2007)

Large NPDES Penalty for Tyson in Nebraska: Missouri River Discharges (TWR #67, Water Briefs: Sept. 15, 2009)

Dredging Opposed in Missouri River: EPA Objects to Corps Proposals (TWR #79, Water Briefs: Sept. 15, 2010)

Missouri River Municipal & Industrial Water Storage Reallocation Study Released by U.S. Army Corps of Engineers (TWR #106, Water Briefs: Dec. 15, 2012)

Rivers and Carbon - USGS Study (TWR #125, Water Briefs: July 15, 2014)

Water Resource Issues in the 114th Congress-Congressional Research Service Report (TWR #133, Water Briefs: March 15, 2015)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

"MITIGATION ACTIONS":

Drought Resiliency - Projects Selected by Reclamation (TWR #139, Water Briefs: Sept. 15, 2015)

MITIGATION and MITIGATION BANKS:

Groundwater Rules Invalid: Deschutes Mitigation (TWR #16, Water Briefs: June 15, 2005)

Washington Water Regulation: New Department of Ecology Director Jay Manning, Interview by David C. Moon, Editor (TWR #23, Jan. 15, 2006)

San Joaquin Settlement: Friant Dam Litigation by Harrison C. Dunning (TWR #33: Nov. 15, 2006)

Wetland Mitigation: Evaluating Clean Water Act Projects in California (TWR #34, Water Briefs: December 15, 2006)

Aging Dams and Mitigation Credits: Converting Fixed Liabilities Into Liquid Assets by James G. Workman (TWR #37: March 15, 2007)

Groundwater Rights in Nevada: State Engineer Approval of SNWA Applications (TWR #39, Water Briefs: May 15, 2007)

Exempt Wells in Washington: Interim Management Limitations and Groundwater Study (TWR #46, Water Briefs: December 15, 2007)

Hydropower and Fish - Northwest Challenge: Keeping Fish and Clean Hydro by F. Lorraine Bodi and Dulcy Mahar (TWR #47: January 15, 2008)

New Western Water Agenda: Opportunities for Action in an Era of Growth and Climate Change by MacDonnell & Fort (TWR #48: February 15, 2008)

Groundwater Mitigation Report in Oregon's Deschutes Basin (TWR #48, Water Briefs: February 15, 2008)

Wetlands Compensatory Mitigation Rule Released by Corps of Engineers (Unavoidable Impacts) (TWR #50, Water Briefs: April 15, 2008)

Idaho Water Law: Update from Coeur d'Alene Conference by David Moon (TWR #52: June 15, 2008)

Water Source Partnership: City of Olympia and Nisqually Tribe MOA (TWR #52, Water Briefs: June 15, 2008)

Seven Rivers Pipeline and Augmentation Wells in New Mexico (Pecos River Settlement) (TWR #53, Water Briefs: July 15, 2008)

Habitat Protection & Water Rights: Balancing Stream Habitat with New Water Rights Issuance - Washington State's Watershed Management Program by Andrew Graham (TWR #60: Feb. 15, 2009)

Ecomarket Approaches to Addressing Water Quality Obligations: Legal Overview & Hells Canyon Test Case by Glick & Nocar (TWR #63: May 15, 2009)

Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge (TWR #64: June 15, 2009)

Idaho Transfers: An Update on Idaho's Water Transfer Policies and Issues by Michael C. Creamer (TWR #65: July 15, 2009)

Interstate Groundwater Allocation: Nevada - Utah Draft Snake Valley Management Agreement by David Moon (TWR #67: September 15, 2009)

Ecology Establishes Water Exchange for Exempt Wells Mitigation (TWR #67, Water Briefs: Sept. 15, 2009)

Wetland Banking: New Mitigation Rule in Washington (TWR #68, Water Briefs: Oct. 15, 2009)

Groundwater Mitigation in Washington: Bank for New Groundwater Rights (TWR #71, Water Briefs: Jan. 15, 2010)

Wetland Mitigation Bank in Washington: New Rules/New Bank (TWR #73, Water Briefs: March 15, 2010)

Groundwater Withdrawal Limits in Washington: Emergency Rule Extended (TWR #74, Water Briefs: April 15, 2010)

Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill (TWR #76: June 15, 2010)

Northwest Water Marketing: Re-Allocating Water in the Pacific Northwest by Richard A. Slaughter (TWR #77: July 15, 2010)

New Groundwater Rules for Withdrawals in Washington (Mitigation Requirements/Water Banks) (TWR #83, Water Briefs: Jan. 15, 2011)

Domestic Groundwater Reserve: Development of Ecology Mitigation Program in Washington (TWR #85, Water Briefs: March 15, 2011)

Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates (TWR #88: June 15, 2011)

Multi-Sector Water Sharing (Ag-Urban-Enviro): Innovative Strategies for the Colorado River Basin & the West by Smith (TWR #88: June 15, 2011)

Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie (TWR #89: July 15, 2011)

Water Banks & Groundwater Mitigation in Washington (TWR #89, Water Briefs: July 15, 2011)

Water Resources Regulation & Development: Groundwater, Floodplains, and "Waters of the United States" by Robert D. Anderson (TWR #91: Sept. 15, 2011)

Tribal Interests, Instream Flows & Hydropower Licensing: Using the Licensing Process to Address Tribal Concerns by Mason Morisset (TWR #92: Oct. 15, 2011)

Closed Loop Geothermal Power Plants: New Mexico Clarifies Permit Process by Michelle Henrie (TWR #97: March 15, 2012)

Northwest Water Banking: Meeting Instream and Out of Stream Water Needs in the Pacific Northwest by Cronin & Fowler (TWR #102: August 15, 2012)

Tribal Water Bank Developed for River Deltas' Wetlands in Washington (TWR #102, Water Briefs: August 15, 2012)

The ESA & Water: Litigation Update - The ESA as Driver of Water Quality & Water Quantity by Quasius & Laschever (TWR #103: Sept. 15, 2012)

Chinatown Revisited: Water Waste Suit Filed by Los Angeles Department of Water and Power (TWR #105, Water Briefs: Nov. 15, 2012)

Pipeline & the Endangered Species Act - 9th Circuit Decision on ESA & NEPA (Ruby Natural Gas Pipeline) (TWR #105, Water Briefs: Nov. 15, 2012)

Water Transfers in the West by Carlee Brown (TWR #107: January 15, 2013)

The Colorado River Basin Water Supply and Demand Study Released by Reclamation (TWR #107, Water Briefs: January 15, 2013)

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

Yakima Water Plan: The Other Side of the Story by Evans, Forsgaard, Maykut & Packard (TWR #108: Feb. 15, 2013)

New Restoration Program for Streams and Wetlands in Montana (TWR #110, Water Briefs: April 15, 2013)

Colorado River Diversion for the Salton Sea: Reclamation Requests Payback from Imperial Valley Irrigation District (TWR #112, Water Briefs: June 15, 2013)

Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)

Water Purchase by State Agency in Washington for Mitigation (TWR #114, Water Briefs: August 15, 2013)

Instream Rights Enforcement Discretion Agreement - *Swinomish v. Ecology* (TWR #117, Water Briefs: Nov. 15, 2013)

Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon (TWR #118, Dec. 15, 2013)

Las Vegas Water Rights Decision - Judge Overturns State Engineer Approvals by David Moon (TWR #119: Jan. 15, 2014)

Stream Flow Enhancement/Groundwater Mitigation in Washington - Stormwater Capture & Groundwater Recharge (TWR #120, Water Briefs: Feb. 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Shopping for Water: How the Market Can Mitigate Water Shortages in the American West - The Hamilton Project Paper (TWR #129: Water Briefs, Nov. 15, 2014)

Instream Rules in Washington: Repeal Denied for Skagit River/New Rule for Spokane River (TWR #132, Water Briefs: Feb. 15, 2015)

"Underground Regulation" — Agency Rulemaking & the California Administrative Procedures Act by Damien Schiff (TWR #133: March 15, 2015)

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

"California Climate & Science Data for Water Resources Management" Released by CDWR (TWR #137, Water Briefs: July 15, 2015)

Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi (TWR #138, August 15, 2015)

Drought Resiliency - Projects Selected by Reclamation (TWR #139, Water Briefs: Sept. 15, 2015)

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon (TWR #141: Nov. 15, 2015)

Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon (TWR #141: Nov. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug

(TWR #143: January 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Prioritizing Management & Protection of the Colorado River's Environmental Resources - Colorado River Research Group (TWR #145, Water Briefs: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

Columbia Basin Salmon BiOp Rejected by Federal Court: Fed Plan Invalidated for Fifth Time - ESA & NEPA Violated (TWR #146, Water Briefs: April 15, 2016)

Tribal Water Lease in Idaho: Storage Rights to Mitigate for Groundwater Use (TWR #148, Water Briefs: June 15, 2016)

Tribal Fishing Rights Lead to Coal Terminal Rejection by the Corps of Engineers (TWR #148, Water Briefs: June 15, 2016)

MITIGATION CREDITS:

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Natural Resource Investment Center Established by Department of Interior (TWR #143, Water Briefs: Jan. 15, 2016)

MITIGATION PLAN:

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Tribal Water Lease in Idaho: Storage Rights to Mitigate for Groundwater Use (TWR #148, Water Briefs: June 15, 2016)

MIXING ZONES:

Washington Water Regulation: New Department of Ecology Director Jay Manning, Interview by David C. Moon, Editor (TWR #23, Jan. 15, 2006)

Mixing Zones - An Overview of Some Western States by Gregg Bryden (TWR #28, June 15, 2006)

Clean Water Act Copper Limits to Protect Salmon: NPDES Permit Developments for Puget Sound, Washington by John Palmer (TWR #54, August 15, 2008)

Wastewater Treatment: Puget Sound Issues - Increased Stringency (TWR #65, Water Briefs: July 15, 2009)

MODELS or MODELING:

Colorado Water Law Decision (TWR #12, Water Briefs: Feb. 15, 2005)

The Colorado River: New Operational Guidelines for Lake Powell and Lake Mead by Fulp, Yoder & Blatchford (TWR #33: Nov. 15, 2006)

Watershed Planning: EPA Web-Based Tool (TWR #39, Water Briefs: May 15, 2007)

Water Quality Modeling Tool: EPA Releases New Version (TWR #39, Water Briefs: May 15, 2007)

Nutrient Numeric Endpoints: Not Quite Ready for Prime Time? by Jeremy N. Jungreis and Scott Thomas (TWR #42: August 15, 2007)

Response to "Nutrient Numeric Endpoints: Not Quite Ready for Prime Time?" (Jungreis & Thomas, TWR #42) by Butcher & Gorham-Test (TWR #43, Sept. 15, 2007)

TMDL Challenges in Development and Implementation by David L. Clark, Jory Oppenheimer, and Michael Kasch (TWR #47: January 15, 2008)

Water Resources Supply: Groundwater Decision Support System Development by David Jordan, Cynthia Ardito and Van Kelley (TWR #48: February 15, 2008)

Groundwater & Surface Water Interactions Model Released by USGS (GSFLOW) (TWR #50, Water Briefs: April 15, 2008)

Water Reuse Planning - Graphical Tools to Clarify Decisions: A Water Reuse Case Study by John Scott Thomas, Ph.D. (TWR #51: May 15, 2008)

Groundwater Availability Modeling: The Texas Experience by Van Kelley, Robert Mace, and Neil Deeds (TWR #54, August 15, 2008)

Climate Change and Water Resources Management: A Federal Perspective Report Released by Federal Agencies (TWR #60, Water Briefs: Feb. 15, 2009)

Oregon Water Demand Forecasting: A Transparent & Flexible Tool for State Water Needs Assessment by Igloria & Graham (TWR #62: April 15, 2009)

Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge (TWR #64: June 15, 2009)

USGS Aquifer Study in California: Groundwater Availability in Central Valley (TWR #66, Water Briefs: August 15, 2009)

The Republican River Compact: Conflict & Arbitration by Justin D. Lavene and Marcus A. Powers (TWR #68: Oct. 15, 2009)

Climate Modeling & Planning: Water Utility Climate Alliance Paper (TWR #71, Water Briefs: Jan. 15, 2010)

Water Utility Climate Alliance White Paper Released on Climate Modeling (TWR #72, Water Briefs: Feb. 15, 2010)

Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak (TWR #81: November 15, 2010)

Groundwater Moratorium Since 2004 Lifted in Kansas: USGS Study of Ozark Plateau Aquifer (TWR #83, Water Briefs: Jan. 15, 2011)

Water Resources Regulation & Development: Groundwater, Floodplains, and "Waters of the United States" by Robert D. Anderson (TWR #91: Sept. 15, 2011)

Industrial Stormwater Permitting: Status and Trends in Western States by Gregg Bryden (TWR #98: April 15, 2012)

Las Vegas Water Rights Granted: Groundwater Exportation Allowed for Southern Nevada Water Authority (TWR #98, Water Briefs: April 15, 2012)

Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whychus Creek by Pamela Thalacker (TWR #101: July 15, 2012)

Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert (TWR #107: January 15, 2013)

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

Climate Resilience Evaluation and Awareness Tool (CREAT) - EPA Update Available (TWR #108, Water Briefs: Feb. 15, 2013)

Salmon Returns - Ocean Conditions Aid Predictions: NOAA-OSU Study (TWR #108, Water Briefs: Feb. 15, 2013)

Nutrient Trading & Water Quality by Susan Parker Bodine (TWR #113: July 15, 2013)

Watershed Modeling - Climate Change & Urban Development Study Released by EPA (TWR #117, Water Briefs: Nov. 15, 2013)

Water & Land Use Assessment Tool: California's Locally Adaptable Tool (Water & Stormwater Impacts) by Patterson, Hinds & Lassiter (TWR #119: Jan. 15, 2014)

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley (TWR #124: June 15, 2014)

USGS Unveils National Climate Change Viewer (TWR #124, Water Briefs: June 15, 2014)

Federal ESA Decisions: Return of *Sweet Home* in Texas Whooping Crane Case by Richardson, Weinberg, Wang & Fansler (TWR #126: Aug. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

Drought Resiliency - Projects Selected by Reclamation (TWR #139, Water Briefs: Sept. 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Reservoir Evaporation Losses in the West Studied (TWR #143, Water Briefs: Jan. 15, 2016)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

WRF Published Water Efficiency Study: Residential End Uses of Water, Version 2 (2016) (TWR #146, Water Briefs: April 15, 2016)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

[USGS Report on the Colorado River's Source: Importance of Groundwater As Base Flow \(TWR #148, Water Briefs: June 15, 2016\)](#)

MODULAR WETLANDS:

[Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill \(TWR #134: April 15, 2015\)](#)

MONITORING:

[Tribal Water Rights - Conference Covers Settlement, Commodification and Other Issues by Harold Shepherd \(TWR #35: January 15, 2007\)](#)

[Groundwater Rights in Nevada: State Engineer Approval of SNWA Applications \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Water Resources Supply: Groundwater Decision Support System Development by David Jordan, Cynthia Ardito and Van Kelley \(TWR #48: February 15, 2008\)](#)

[Aquifer Recharge and Storage: Ongoing Implementation Concerns by Peter G. Scott \(TWR #54, August 15, 2008\)](#)

[Water Quality Data: Monitoring & Assessment Recommendations in California \(TWR #61, Water Briefs: March 15, 2009\)](#)

[Instream Flow Book: Case Studies of Riverine Management \(TWR #61, Water Briefs: March 15, 2009\)](#)

[Aquifer Storage Recovery & EPA's Underground Injection Control Program-EPA's "ASR Experts" Report by Shrier \(TWR #64: June 15, 2009\)](#)

[Interstate Groundwater Allocation: Nevada - Utah Draft Snake Valley Management Agreement by David Moon \(TWR #67: September 15, 2009\)](#)

[Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt \(TWR #72: Feb. 15, 2010\)](#)

[Exempt Wells in the West: Complications & Compromises by Nathan Bracken \(TWR #74, April 15, 2010\)](#)

[Groundwater System in California: Legislative Analyst's Office Report Released \(TWR #74, Water Briefs: April 15, 2010\)](#)

[Columbia River Basin Toxics Reduction: Action Plan in Effect by Mary Lou Soscia \(TWR #84: Feb. 15, 2011\)](#)

[Stormwater Monitoring Reports in Washington: Ecology Issuing Fines to General Permittees for Failure to Report \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Tribal Interests, Instream Flows & Hydropower Licensing: Using the Licensing Process to Address Tribal Concerns by Mason Morisset \(TWR #92: Oct. 15, 2011\)](#)

[National Flood Insurance & ESA - National Flood Insurance in a Post-Jeopardy Environment: FEMA's "Reasonable and Prudent Alternative" Implementation for the Puget Sound Biological Opinion by Eberlein \(TWR #92: Oct. 15, 2011\)](#)

[Environmental Markets: Using Environmental Markets to Expand the Pace and Scale of Restoration by Alan Horton and Marley Gaddis \(TWR #94: Dec. 15, 2011\)](#)

[Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase \(TWR #108: Feb. 15,](#)

2013)

California Small MS4s Regulation: State Adopts New Stormwater Regulations & Expands Program by Wendy Manley (TWR #109: March 15, 2013)

Conjunctive Use in California's Central Valley: Mixed Results After Decades of Groundwater Banking by Jennifer Spaletta (TWR #111: May 15, 2013)

Keystone XL Pipeline - EPA Raises Objections (TWR #111, Water Briefs: May 15, 2013)

Utah DWQ Issues Notice of Violation & Compliance Order Requesting Chevron Report on Diesel Spill (TWR #111, Water Briefs: May 15, 2013)

Nutrient Trading & Water Quality by Susan Parker Bodine (TWR #113: July 15, 2013)

Safe Drinking Water Act Fine - Injection Well Violations in Colorado (TWR #114, Water Briefs: August 15, 2013)

Stormwater Cleanup: Proof for Liability in Clean Water Act Suit - Representative Locations in Pollution Monitoring (TWR #115, Water Briefs: Sept. 15, 2013)

Safe Drinking Water Enforcement by EPA on Southern Ute Reservation in Colorado: Underground Injection Control (TWR #115, Water Briefs: Sept. 15, 2013)

Numeric Nutrients: EPA Toolkit for Criteria Released (TWR #116, Water Briefs: Oct. 15, 2013)

Las Vegas Water Rights Decision - Judge Overturns State Engineer Approvals by David Moon (TWR #119: Jan. 15, 2014)

Supreme Court Stormwater Ruling: *Los Angeles Flood Control District v. NRDC* - A Strange and Meandering Case by Christopher Rich (TWR #120: Feb. 15, 2014)

Stream Flow Enhancement/Groundwater Mitigation in Washington - Stormwater Capture & Groundwater Recharge (TWR #120, Water Briefs: Feb. 15, 2014)

Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. (TWR #121: March 15, 2014)

Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol (TWR #121: March 15, 2014)

California's New Industrial Storm Water Permit by Wendy L. Manley, Wendel Rosen Black & Dean, LLP (TWR #124: June 15, 2014)

PCB Contamination: Record Civil Penalty Announced by EPA in Nevada (TWR #124, Water Briefs: June 15, 2014)

Tribal Settlement Concerning Drinking & Wastewater Systems Entered by The Omaha Tribe of Nebraska (TWR #128, Water Briefs, Oct. 15, 2014)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

In-Pipe Hydropower: Portland's In-Pipe System Secures 20-Year Power Purchase Agreement by Jennifer Allen Newton (TWR #132: Feb. 15, 2015)

"Underground Regulation" — Agency Rulemaking & the California Administrative Procedures Act by Damien Schiff (TWR #133: March 15, 2015)

Watershed Planning Implementation and Flow Achievement: Washington Grant Cycle (TWR #133, Water Briefs: March 15, 2015)

Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board (TWR #136: June 15, 2015)

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

Water Released for Salmon by Reclamation - Injunction by Irrigation Districts Denied (TWR #139, Water Briefs: Sept. 15, 2015)

Delta Stormwater Settlement: Toxic Discharges Suit Under ESA & Clean Water Act (TWR #140, Water Briefs: Oct. 15, 2015)

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

“Quantified Conservation” - Measurement & Tracking of Environmental Outcomes & Impact by The Freshwater Trust (TWR #144, Water Briefs: Feb. 15, 2016)

Washington’s Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

Water Quality Monitoring Report Released by Izaak Walton League of America: Haphazard & Limited (TWR #146, Water Briefs: April 15, 2016)

MONITORING WELLS:

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

MONO LAKE:

Mono Lake Settlement in California Addresses Tributary Streamflows & Other Actions (TWR #115, Water Briefs: Sept. 15, 2013)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

MONOPOLY:

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

Metropolitan Water District of Southern California Found Liable for \$8.9 Million in Attorney's Fees in Rate Case (TWR #146, Water Briefs: April 15, 2016)

MONTANA WATER LAW and WATER QUALITY:

Water Rights Adjudication in Montana: Chief Judge C. Bruce Loble Interview (TWR #2: April 15, 2004)

Montana - Wyoming Water Fight Brewing? (TWR #4, Water Briefs: June 15, 2004)

Montana - Wyoming Talk Continue: Yellowstone Compact Discussions (TWR #5, Water Briefs: July 15, 2004)

Montana/Wyoming Update: Yellowstone River Compact (TWR #6, Water Briefs: Aug. 15, 2004)

Montana Water Law Update by David C. Moon (TWR #11: Jan. 15, 2005)

Montana Groundwater/Surface Water Conflicts: Management in Search of Science and Reason by Kendy, Wilson & Ziemer (TWR #19: September 15, 2005)

Coalbed Methane Interstate Dispute Between Montana and Wyoming (TWR #26, Water Briefs: April 15, 2006)

Interstate Water Quality: Coalbed Methane Conflict Between Wyoming and Montana (TWR #27, Water Briefs: May 15, 2006)

Montana Supreme Court Rules on Groundwater Process: Basin Closures and Conjunctive Use by David C. Moon (TWR #28, June 15, 2006)

Untapping Tribal Waters: Tribal Water Marketing Expanding by Clay J. Landry and Christina Quinn (TWR #35: January 15, 2007)

Interstate Compact Lawsuit: *Montana v. Wyoming* (TWR #36, Water Briefs: February 15, 2007)

Water Conservation Initiatives - Western States Take Action by Craig Bell, Western States Water Council (TWR #38: April 15, 2007)

Montana v. Wyoming: Interstate Compact Battle Over Water Rights (TWR #38, Water Briefs: April 15, 2007)

Tribal Water Rights Decision: Unquantified Reserved Rights & State Regulation by David Moon (TWR #39: May 15, 2007)

Blackfeet Water Rights Compact: Montana Compact Commission Approval (TWR #39, Water Briefs: May 15, 2007)

Coalbed Methane: Montana's Anti-Degradation & Numeric Standards (TWR #45, Water Briefs: Nov. 15, 2007)

Superfund Success: Restoration Project in Montana (TWR #45, Water Briefs: Nov. 15, 2007)

FERC Hydropower Relicensing: First Integrated Licensing Process (ILP) License Issued (TWR #47, Water Briefs: January 15, 2008)

Interstate Compact Lawsuit: US Brief Filed in Montana and Wyoming Water Right Conflict (TWR #48, Water Briefs: February 15, 2008)

Superfund Settlement: \$187 Million River Cleanup (TWR #48, Water Briefs: February 15, 2008)

State Coalbed Methane Standards: EPA Approves Montana Standards - Interstate Dispute Affected by David C. Moon (TWR #49: March 15, 2008)

Indian Water Rights: The Era of Settlements by Jeanne S. Whiteing (TWR #51: May 15, 2008)

Mine Restoration & Dam Removal in Montana (TWR #51, Water Briefs: May 15, 2008)

Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell (TWR #56: October 15, 2008)

Montana v. Wyoming: U.S. Supreme Court to Hear Yellowstone Compact Case by Karen Budd-Falen (TWR #57: November 15, 2008)

Stream Access Decision: When Is a Stream a Stream, Water Natural, and Property Private? by Jack R. Tuholske (TWR #59: Jan. 15, 2009)

Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro (TWR #63:

May 15, 2009)

Yellowstone River Compact: *Montana v. Wyoming*-Special Master Rules on Water Rights Issues & Denies Motion to Dismiss by Moon (TWR #65: July 15, 2009)

Contaminate Sediments: EPA Order for Whitefish River in Montana (TWR #68, Water Briefs: Oct. 15, 2009)

Guide to Water Quality in Montana Released (TWR #68, Water Briefs: Oct. 15, 2009)

Safe Drinking Water: Summary of EPA Actions in Montana (TWR #69, Water Briefs: Nov. 15, 2009)

Exempt Wells Petition Filed: Ranchers' Water Rights Threatened (TWR #70, Water Briefs: Dec. 15, 2009)

Montana Reports Released on Coalbed Methane and Exempt Wells (TWR #72, Water Briefs: Feb. 15, 2010)

Montana Water Trust Merges With Clark Fork Coalition (TWR #73, Water Briefs: March 15, 2010)

Exempt Wells Hearing in Montana: Water Right Appropriation Rules (TWR #74, Water Briefs: April 15, 2010)

Coalbed Methane Produced Groundwater: A Survey of Western Water Law Regulation by Sarah A. Klahn & Jack Tuholske (TWR #77: July 15, 2010)

Exempt Well Ruling in Montana: Rulemaking to Follow (TWR #79, Water Briefs: Sept. 15, 2010)

Blackfeet Tribe Seeks Clean Water Act Status ("TAS"): Comment Period Open (TWR #79, Water Briefs: Sept. 15, 2010)

Exempt Well Lawsuit Settlement: New State Rules in Montana Forthcoming (TWR #82, Water Briefs: Dec. 15, 2010)

Key Tribal Water Developments in the Pacific Northwest by Duane Mecham (TWR #83: Jan. 15, 2011)

Groundwater Order in Montana: EPA Enforcement on Oil Production Contaminants (TWR #83, Water Briefs: Jan. 15, 2011)

Water Utility Sale in Montana: Waiver of PSC Review Requested (TWR #85, Water Briefs: March 15, 2011)

Wetlands Violations & EPA Enforcement: Large Penalty and Restoration Ordered in Montana (TWR #86, Water Briefs: April 15, 2011)

Irrigation Efficiency: Conserved Water & Return Flow - Supreme Court Decision in *Montana v. Wyoming* (TWR #87, Water Briefs: May 15, 2011)

Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates (TWR #88: June 15, 2011)

Municipal Water Rights in Montana: Court Rejects "Growing Cities Doctrine" and Upholds Agency Transfer Decision (TWR #91, Water Briefs: Sept. 15, 2011)

Water Utility Sale Proposed - Carlyle Group Purchase of Missoula's Water Company (TWR #92, Water Briefs: Oct. 15, 2011)

Negotiating Indian Water Rights Claims: 12th Biennial Symposium on the Settlement of Indian Reserved Water Rights by Killoren (TWR #95: Jan. 15, 2012)

Crow Tribe Compact: Water Rights Settlement Signed in Montana (TWR #99, Water Briefs: May 15, 2012)

Blackfeet Tribe Granted Authority to Administer CWA Water Quality Standards Program (TWR #100, Water Briefs: June 15, 2012)

[Kalispel Tribe Agreement With Federal Agencies: Habitat & Fish Stocks in Columbia Basin \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi \(TWR #104: Oct. 15, 2012\)](#)

[Crow Tribe Settlement Implementation - Reclamation Contracts on Irrigation and Municipal, Industrial & Rural System \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Tribal Water Compact: Proposed Settlement Released in Montana \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[New Restoration Program for Streams and Wetlands in Montana \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Mining Bill Vetoed by Governor in Montana: Groundwater & Surface Water Impacts Cited \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Oil Spill Fine & EPA Enforcement of Clean Water Act: Spill Within Tribal Boundaries \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Nutrient Trading & Water Quality by Susan Parker Bodine \(TWR #113: July 15, 2013\)](#)

[CSKT Water Rights Compact Unratified: Montana Legislature Refuses to Ratify Confederated Salish and Kootenai Tribes Compact by Weiner & Stermitz \(TWR #114: August 15, 2013\)](#)

[Indian Water Claims - Settlement of Reserved Rights Symposium \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Montana Reserved Water Rights Compact Commission's Report on CSKT Proposed Water Rights Compact Released \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Tribal Water Lawsuit: Ownership of Water Rights in Montana - State v. Federal Jurisdiction \(TWR #122, Water Briefs: April 15, 2014\)](#)

[ESA Listing Decision in Montana: Arctic Grayling Not Listed Due to Successful Collaboration \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

[Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon \(TWR #132: Feb. 15, 2015\)](#)

[Tribal Compact: Attorney General's Memo to Montana's Governor \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz \(TWR #134: April 15, 2015\)](#)

[Tribal Water Agreements Highlighted: Shoshone-Paiute Settlement Signed \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Tribal Compact Signed for Confederated Salish and Kootenai Tribes in Montana \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Oil Spill Fine in Montana: ExxonMobil Petition for Reconsideration Rejected \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Tribal Hydro: Salish and Kootenai Tribes - First Tribe-Owned Hydro Project \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Transboundary Cooperation in the International Columbia River Basin: A Preliminary Assessment of Existing Arrangements & Future Prospects \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Wastewater Effluent Spill by Private Ski Area in Montana's West Gallatin River \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

Columbia Basin Salmon BiOp Rejected by Federal Court: Fed Plan Invalidated for Fifth Time - ESA & NEPA Violated (TWR #146, Water Briefs: April 15, 2016)

MOOTNESS:

Mining Law & the Endangered Species Act Decision - Section 7 Consultation Required (TWR #100, Water Briefs: June 15, 2012)

Ninth Circuit: Reclamation Renewal of Water Supply Contracts from Bay-Delta Ecosystem Violated ESA (TWR #123, Water Briefs: May 15, 2014)

MORATORIUMS:

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

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Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon (TWR #141: Nov. 15, 2015)

MOTIVATION or MOTIVES:

Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap (TWR #148: June 15, 2016)

MOUNTAIN-TOP REMOVAL MINING:

Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey (TWR #97: March 15, 2012)

Mountain-Top Mining: EPA Post-Permit Veto Authority Upheld (TWR #111, Water Briefs: May 15, 2013)

MS4 (MUNICIPAL SEPARATE STORM SEWER SYSTEM) - see also STORMWATER:

Phase II MS4 Revision: Settlement Requires EPA to Revise Phase II MS4 Permit & Review Forest Road Runoff Regulation (TWR #140, Water

[Briefs: Oct. 15, 2015\)](#)

[LA's Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan \(TWR #141: Nov. 15, 2015\)](#)

[Stormwater Policy in California: New Strategy Considered \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Stormwater Agreement: Clean Water Act Violations by Salt Lake County Resolved in Utah \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[MTBE:](#)

[EPA & MTBE: Petitions Rejected \(TWR #16, Water Briefs: June 15, 2005\)](#)

[MTBE: Natural Attenuation/Risk Management for Underground Storage Tanks \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[Volatile Organic Compounds in Groundwater & Drinking Water Wells \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Water Contaminants: Safe Drinking Water List - EPA's Preliminary Determinations \(TWR #39, Water Briefs: May 15, 2007\)](#)

[MULTIPLE BENEFITS APPROACH:](#)

[Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer \(TWR #127: Sept. 15, 2014\)](#)

[MULTIPLE DEFAULT VALUES:](#)

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher \(TWR #148: June 15, 2016\)](#)

[MULTIPLE USES or MULTI-USE RIGHT:](#)

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["MULTIPLE WORKING HYPOTHESES":](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[MUNICIPAL BOND:](#)

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[MUNICIPAL CONSERVATION:](#)

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["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

[MUNICIPAL DEMAND \(M&I DEMAND\):](#)

[Colorado Water Markets: “Alternative Transfer Mechanisms” by P. Andrew Jones \(TWR #138, August 15, 2015\)](#)

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[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[MUNICIPAL USE \(Quantity\):](#)

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[Proposed Reallocation of Non-Indian Agricultural Water in the Central Arizona Project \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

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[Oregon Water Resources Department: Interview with Director Paul Cleary \(TWR #1: March 15, 2004\)](#)

[Washington Water Law by David C. Moon \(TWR #4: June 15, 2004\)](#)

[Public Drinking Water Contamination by Michael Axline and Duane Miller \(TWR #5: July 15, 2004\)](#)

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[US Water Services Privatization: Key Issues and Experiences by Charles W. Howe and Jeffrey W. Jacobs \(TWR #12: Feb. 15, 2005\)](#)

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[Wastewater Treatment - EPA Penalty for Municipality \(TWR #18, Water Briefs: August 15, 2005\)](#)

[Speculation in Water Rights: Transfer Decisions by the Colorado Supreme Court and Special Status for Municipalities by Moon \(TWR #20: October 15, 2005\)](#)

[Condemnation Proposed: Municipal Water Rights in Washington \(TWR #25, Water Briefs: March 15, 2006\)](#)

[Instream Water Rights Settlement: Muckleshoot Indian Tribe and Seattle \(TWR #26, Water Briefs: April 15, 2006\)](#)

[Condemnation Case in Washington Settled - Water Rights Transfer \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Beyond Privatization: Lessons for Restructuring Water Systems to Improve Performance by Gary Wolff and Eric Hallstein \(TWR #27: May 15, 2006\)](#)

[Long-Range Water Planning: Comprehensive Process in Central Oregon's Deschutes Basin by Bruce Aylward and David Newton \(TWR #29: July 15, 2006\)](#)

[New Mexico Water Markets: Buying, Selling and Leasing Water Rights by John W. Shomaker and F. Lee Brown \(TWR #29: July 15, 2006\)](#)

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[Municipal Water Rights in New Mexico: Various Approaches and Development Impacts by James Brockmann \(TWR #31; September 15, 2006\)](#)

[Phoenix Water Planning: Water Resources Plan - The 2005 Update by Tom Buschatzke \(TWR #32: October 15, 2006\)](#)

[Municipal Water Rights: Retroactive Expansion Lawsuit \(TWR #32, Water Briefs: October 15, 2006\)](#)

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[New Stormwater Regulations in Washington \(TWR #36, Water Briefs: February 15, 2007\)](#)

[ESA & CWA: Endangered Species Act Influences on EPA's Clean Water Act Programs \(The Washington State Example\) by Palmer \(TWR #37: March 15, 2007\)](#)

[Municipal Wastewater: Phosphorus Reduction & Permits \(TWR #37, Water Briefs: March 15, 2007\)](#)

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[Municipal Stormwater: An Overview of Current Regulation and Management by Misha Vakoc \(TWR #40, June 15, 2007\)](#)

[Water Utilities Performance Measures: EPA Support \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Interstate Water Allocation by Christopher H. Meyer, Givens Pursley LLP \(Boise, Idaho\) \(TWR #42: August 15, 2007\)](#)

[Nutrient Numeric Endpoints: Not Quite Ready for Prime Time? by Jeremy N. Jungreis and Scott Thomas \(TWR #42: August 15, 2007\)](#)

[EPA Municipal Stormwater Programs: GAO Report \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Perchlorate Battle Continues With NASA in California \(TWR #41, Water Briefs: July 15, 2007\)](#)

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[Errata - TWR #38 "Water Conservation Initiatives" \(TWR #44, Water Briefs: Oct. 15, 2007\)](#)

[Anti-Speculation Doctrine: Water Supply Planning Decision in Colorado \(TWR #45, Water Briefs: Nov. 15, 2007\)](#)

[Tribal Water Sale: Tribes, Reclamation & Washington Partnership \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer \(TWR #50: April 15, 2008\)](#)

[Southeast Water Sharing Plan Proposed by Reclamation \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Anti-Speculation Article Response - Mesa Water LLP \(TWR #52: June 15, 2008\)](#)

[Washington State's Municipal Water Law: Landmark Law Partially Invalidated in Trial Court Decision by Jeff B. Kray \(TWR #53: July 15, 2008\)](#)

[Water Source Partnership: City of Olympia and Nisqually Tribe MOA \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Water Quality Standards Settlement in Oregon: Toxics & ESA Protection \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Storm Water Regulation Update: Rough Waters In California by Wendy L. Manley \(TWR #55: September 15, 2008\)](#)

[Truckee River Operating Agreement Signed: Nevada & California Impacts \(TWR #55, Water Briefs: September 15, 2008\)](#)

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[Agricultural Water to Municipal Use: The Legal and Institutional Context for Voluntary Transactions in Arizona by Eden, Glennon, Ker, Libecap, Megdal & Shipman \(TWR #58: December 15, 2008\)](#)

[Interstate Water Ruling: Texas Water Users' Lawsuit Against Oklahoma to Continue \(TWR #58, Water Briefs: December 15, 2008\)](#)

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[The Colorado Water Trust: Western Water Trusts & the Colorado Experience by Amy W. Beatie \(TWR #66: August 15, 2009\)](#)

[Tribal and Municipal Water Supply: Navajo-Gallup Project - Reclamation Report & EIS \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Municipal Water Transfer Recommended in Washington: Relinquishment Due to Non-Use \(Expedited Process\) \(TWR #66, Water Briefs: August 15,](#)

2009)

Recycled Wastewater Disposal: Santa Margarita River Case in California (TWR #67, Water Briefs: Sept. 15, 2009)

"Reasonably Necessary" Water Supply Case in Colorado: Planning Period, Burden of Proof & "Speculative" Flows (TWR #69, Water Briefs: Nov. 15, 2009)

Federal Stormwater Rule: EPA Listening Sessions (TWR #71, Water Briefs: Jan. 15, 2010)

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[Washington State Municipal Water Law: Washington Supreme Court Upholds Controversial Law by Jeff Kray \(TWR #82: Dec. 15, 2010\)](#)

[Groundwater Order in Montana: EPA Enforcement on Oil Production Contaminants \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Tribal Water Lease: Central Arizona Project Water to Municipality \(Reclamation FONSI Issued\) \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Speculation in Water Rights \(Colorado\): Public Utilities and Trout Unlimited Agreement Reached \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Water Supply Issues in Colorado: Shift from Agricultural Uses, Water Transfers & Municipal Needs-SWSI Report \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Anti-Speculation Decision in Colorado: Need & Speculative Sales \(TWR #87, Water Briefs: May 15, 2011\)](#)

[Water Sharing Strategies for Ag/Urban/Enviro in the West: Western States Council Report with CSU's Water Institute \(TWR #87, Water Briefs: May 15, 2011\)](#)

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[Urban Water Quality: New EPA Planning Process - Prioritized Approach \(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[Water Reuse: Expanding the Nation's Water Supply through Reuse of Municipal Wastewater \(NRC/EPA Report\) \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[Military MS4 Permit in Washington - Draft EPA Permit Includes LID \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[LID Stormwater Retrofitting: Application to Residential Areas Around Puget Sound by Amalia Leighton \(TWR #97: March 15, 2012\)](#)

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[Las Vegas Water Rights Granted: Groundwater Exportation Allowed for Southern Nevada Water Authority \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Adaptation Strategies Guide for Water Utilities Released by EPA \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Speculation - ALJ Ruling in Oregon Overturns Agency Decision \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Surplus Water in Reclamation Projects: Corps Pricing Policy Being Developed \(M&I Use Included\) \(TWR #100, Water Briefs: June 15, 2012\)](#)

[*Integrated Municipal Stormwater and Wastewater Planning Approach Framework* \(TWR #101, Water Briefs: July 15, 2012\)](#)

Water Utilities Report by Black & Veatch: *Strategic Directions in the U.S. Water Utility Industry* (TWR #101, Water Briefs: July 15, 2012)

Local Land Use Decisions & Water Supply Considerations: New Rules from the Washington Supreme Court by Dave Monthie (TWR #102: August 15, 2012)

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Missouri River Municipal & Industrial Water Storage Reallocation Study Released by U.S. Army Corps of Engineers (TWR #106, Water Briefs: Dec. 15, 2012)

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Texas v. New Mexico - Texas Sues Over Water Deliveries Under the Rio Grande Compact (U.S. Supreme Court) (TWR #107, Water Briefs: January 15, 2013)

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Reclamation Manual Policies and Directives and Standards Finalized by Bureau (TWR #114, Water Briefs: August 15, 2013)

Arkansas Valley Conduit in Colorado: Regional Water Pipeline Project - Condensed/Edited US Bureau of Reclamation Documents (TWR #115: Sept. 15, 2013)

Reclamation Developing Directive & Standard for Non-Agricultural Discharges Into Facilities (TWR #117, Water Briefs: Nov. 15, 2013)

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Water Conservation in California: Urban Water Use During Drought (TWR #128, Water Briefs, Oct. 15, 2014)

2015 Five Star/Urban Waters Restoration Program: EPA Grant Program RFP (TWR #129: Water Briefs, Nov. 15, 2014)

California Drought: Use/Conservation Figures Released by State Water Resources Control Board (TWR #129: Water Briefs, Nov. 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

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Water Plan Released in Colorado: Water Supply Strategies (TWR #142, Water Briefs: Dec. 15, 2015)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

[Truckee River Operating Agreement Begins: Interstate Allocations \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Proposed Reallocation of Non-Indian Agricultural Water in the Central Arizona Project \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

[AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein \(TWR #146: April 15, 2016\)](#)

[Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield \(TWR #148: June 15, 2016\)](#)

[NANOMATERIALS:](#)

[Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative \(TWR #146: April 15, 2016\)](#)

[NANOSCALE CATALYSTS:](#)

[Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative \(TWR #146: April 15, 2016\)](#)

[NANOSCALE COATINGS:](#)

[Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative \(TWR #146: April 15, 2016\)](#)

[NANOTECHNOLOGY:](#)

[Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative \(TWR #146: April 15, 2016\)](#)

[NARRATIVE CRITERIA:](#)

[Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell \(TWR #126: August 15, 2014\)](#)

[NATIONAL MARINE FISHERIES SERVICE \(see also NOAA & NMFS\):](#)

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman &](#)

[Heimbucher \(TWR #148: June 15, 2016\)](#)

[NATIONAL PARKS:](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

[NATIONAL PARK SERVICE \(NPS\):](#)

[High Flow Release: Glen Canyon Dam Innovative Protocol to Mimic Flood Conditions \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Crude Oil-By-Rail & the Endangered Species Act: Coming Soon to Train Tracks Near You? by Kristen L. Boyles \(TWR #136: June 15, 2015\)](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

[Natural Resource Investment Center Established by Department of Interior \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[NATIONWIDE PERMITS \(NWPS\):](#)

[Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey \(TWR #97: March 15, 2012\)](#)

[NATURAL ATTENUATION:](#)

[Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder \(TWR #139, Sept. 15, 2015\)](#)

["NATURAL CONDITIONS" CRITERIA:](#)

[Oregon's Temperature Criteria Standards Rejected by EPA \(TWR #114, Water Briefs: August 15, 2013\)](#)

[NATURAL FLOW REGIME:](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[NATURAL IMPACTS:](#)

[Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols \(TWR #128,](#)

Oct. 15, 2014)

NATURAL RESOURCES DISTRICTS:

Sustainable Water Use: Historic Purchase to Preserve Basin Integrity (TWR #140, Water Briefs: Oct. 15, 2015)

“NATURAL STORAGE”:

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

NATURAL SYSTEMS:

Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer (TWR #127: Sept. 15, 2014)

NATURAL TREATMENT SYSTEMS:

San Diego Creek's Natural Treatment Stormwater Management System by Strecker, Mangarella, Hesse, Rathfelder, Leisenring & Brandt (TWR #18: August 15, 2005)

NATURE OF USE:

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

NAVAJO WATER RIGHTS (see also TRIBAL WATER RIGHTS):

Navajo-Gallup Water Supply Project Funding - Expedited Permitting & Review for Navajo Nation (TWR #104, Water Briefs: Oct. 15, 2012)

Utah Navajo Water Rights Settlement Agreement Approved by Navajo Nation Council (TWR #144, Water Briefs: Feb. 15, 2016)

NAVIGABLE WATERS - NAVIGATION/DREDGING:

Columbia River Dredging Opposed (TWR #2, Water Briefs: April 15, 2004)

River Management & the ESA: Missouri River Litigation (Navigation Versus Fish & Wildlife) by Hayes, Schneider & Sturkie (TWR #4: June 15, 2004)

Missouri River Ruling Announced - River Flows & ESA (TWR #5, Water Briefs: July 15, 2004)

[Missouri River Appeal Consolidated Case: Flows and ESA \(TWR #6, Water Briefs: Aug. 15, 2004\)](#)

[Streamlining Federal Permits \(Portland/Federal Agencies Coordination\) by Mike Reed \(TWR #13: March 15, 2005\)](#)

[Missouri River Operating Plan: Spring Pulse Delay \(TWR #25, Water Briefs: March 15, 2006\)](#)

[Stream Access Decision: When Is a Stream a Stream, Water Natural, and Property Private? by Jack R. Tuholske \(TWR #59: Jan. 15, 2009\)](#)

[Utah Stream Access: Recreational Use Legislation \(TWR #75, Water Briefs: May 15, 2010\)](#)

[L.A. River "Navigable" - Clean Water Act Protection Extended \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Dredging Opposed in Missouri River: EPA Objects to Corps Proposals \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Public Trust Doctrine Adopted in Nevada: Decision on Navigable Waterways & Restraint on Land Transfers \(TWR #90, Water Briefs: August 15, 2011\)](#)

[EPA Effluent Guidelines: Proposed Regulation of Shale Gas & Coalbed Methane Effluent by Campbell & Howe \(TWR #96: Feb. 15, 2012\)](#)

[The Columbia River, Basin, and Treaty: Upcoming Treaty Date is Focussing Basin Water Management Issues by Stan Miller \(TWR #101: July 15, 2012\)](#)

[Climate Change & Public Trust Doctrine - Climate Change, Public Trust Doctrines & *PPL Montana* by Robin Kundis Craig \(TWR #120: Feb. 15, 2014\)](#)

[The Columbia River Treaty: September 16 Pivot Point for the Future of the Columbia River Basin by Eric Christensen \(TWR #125: July 15, 2014\)](#)

[Public Trust Doctrine Decision in California: Groundwater Regulation to Protect Rivers \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Water Resource Issues in the 114th Congress-Congressional Research Service Report \(TWR #133, Water Briefs: March 15, 2015\)](#)

[NEBRASKA WATER LAW AND WATER QUALITY:](#)

[Groundwater Holding: Nebraska Conjunctive Use \(TWR #13, Water Briefs: March 15, 2005\)](#)

[Nebraska Groundwater - Authority to Regulate \(TWR #18, Water Briefs: August 15, 2005\)](#)

[Nebraska Water Law Changing: Dramatic Developments - The Spear T Ranch Case by LeRoy W. Sievers and Jocelyn Walsh Golden \(TWR #21: Nov. 15, 2005\)](#)

[Instream Flows: Cooperative Efforts in Nebraska Provide Support \(TWR #25, Water Briefs: March 15, 2006\)](#)

[Conservation Easements: Environmental Quality Incentives Program \(EQIP\) in Nebraska \(TWR #30, Water Briefs: August 15, 2006\)](#)

[Platte River Program - Endangered Species Act Interior Agreement \(TWR #33, Water Briefs: Nov. 15, 2006\)](#)

[Water Resources Cash Fund Created in Nebraska \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering \(TWR #43, Sept. 15, 2007\)](#)

[Lower Platte River Decision on Water Availability \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Republican River Litigation Expected by Kansas Attorney General \(TWR #49, Water Briefs: March 15, 2008\)](#)

[Groundwater/Surface Water Decision in Nebraska: DNR Authority Upheld Regarding Hydraulic Connection \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Impaired Water List: EPA Decision on Nebraska's List \(TWR #61, Water Briefs: March 15, 2009\)](#)

[Large NPDES Penalty for Tyson in Nebraska: Missouri River Discharges \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Ammonia Spills in Nebraska & Kansas: \\$3.65 Million Clean Water Act Penalty \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[The Republican River Compact: Conflict & Arbitration by Justin D. Lavene and Marcus A. Powers \(TWR #68: Oct. 15, 2009\)](#)

[Kansas v. Nebraska: Interstate Compact Enforcement \(TWR #76, Water Briefs: June 15, 2010\)](#)

[CAFO Violations: EPA Enforcement Actions in the Midwest \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Water Conservation in Nebraska: Ogallala Platte Recovery Project \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Nebraska's Evolving Water Law: Challenges and Opportunities Part I by Mary E. Kelly \(TWR #81: November 15, 2010\)](#)

[Republican River Compact - Arbitrator's Ruling \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Nebraska's Evolving Water Law: Challenges & Opportunities - Part II by Mary E. Kelly \(TWR #82: Dec. 15, 2010\)](#)

[Water Right Purchases in Nebraska: Platte River Enhancement \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Fully Appropriated: Nebraska Supreme Court Decision Impacts Surface & Groundwater Regulation \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Regulation & "Takings" - Senior Water Rights Upheld in Eighth Circuit Decision \(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[Abandonment & Nonuse Case in Nebraska: Regulation of Water Rights Leads to Decision on Common Law Issues by David Moon \(TWR #99: May 15, 2012\)](#)

[Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs \(TWR #100: June 15, 2012\)](#)

[Keystone XL Pipeline: Nebraska DEQ's Information Website \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert \(TWR #107: January 15, 2013\)](#)

[Republican River Compact Call in Nebraska: Bureau of Reclamation Responds to Nebraska DNR Order \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Republican River Compact Compliance: Storage Releases by Nebraska \(States Fail to Reach Future Access Agreement\) \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Hydropower Rights Battle in Nebraska: Forfeiture and Abandonment Asserted by Groundwater Irrigators \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Republican River Special Master's Report Issued: Kansas v. Nebraska and Colorado \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

Tribal Settlement Concerning Drinking & Wastewater Systems Entered by The Omaha Tribe of Nebraska (TWR #128, Water Briefs, Oct. 15, 2014)

Oral Arguments in *Kansas v. Nebraska and Colorado*: Interstate Compact, Damages & Imported Water (TWR #129: Water Briefs, Nov. 15, 2014)

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

Aquifer Recharge & Flood Mitigation Collaboration in Nebraska (TWR #136, Water Briefs: June 15, 2015)

Sustainable Water Use: Historic Purchase to Preserve Basin Integrity (TWR #140, Water Briefs: Oct. 15, 2015)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

NECESSARY PARTIES:

Tribal Water Lawsuit: Ownership of Water Rights in Montana - State v. Federal Jurisdiction (TWR #122, Water Briefs: April 15, 2014)

NEED DETERMINATION:

Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon (TWR #141: Nov. 15, 2015)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

NEED FOR WATER:

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

"NEEDS":

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

NEGOTIATIONS and NEGOTIATED SETTLEMENTS:

Indian Water Right Negotiations: Interior's Considerations When Appointing Federal Negotiation Teams by Duane Mecham (TWR #111: May 15, 2013)

Klamath Agreement - Upper Klamath Basin Comprehensive Agreement Reached (TWR #121, Water Briefs: March 15, 2014)

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

[Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap \(TWR #148: June 15, 2016\)](#)

NEONICOTINIDS:

[Insecticides Study: USGS on Neonicotinoids and Impacts on Bees \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

NEPA (NATIONAL ENVIRONMENTAL POLICY ACT):

[Trinity River 9th Circuit Decision: NEPA and ESA \(TWR #6, Water Briefs: Aug. 15, 2004\)](#)

[National Forest Activities: Gold Mining Decision Has Wide Implications by David Moon \(TWR #34: December 15, 2006\)](#)

[Utah Nonpoint Source Grant Program: Why Is It Needed? - How Will It Work? by Shelly Quick \(TWR #44, Oct. 15, 2007\)](#)

[Multi-Use Reservoir Analysis: Rio Grande Reservoir by Matthew Bliss \(TWR #51: May 15, 2008\)](#)

[Litigation on the Colorado River: Conflicts in Search of Solutions by Michael Gheleta \(TWR #67: September 15, 2009\)](#)

[Dredging Opposed in Missouri River: EPA Objects to Corps Proposals \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Water Rights & Grazing Activities on BLM Land: Decision Overturns Bush Administration Regulations \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Multi-Sector Water Sharing \(Agricultural-Urban-Environmental\): Innovative Strategies for the Colorado River Basin & the West by Smith \(TWR #88: June 15, 2011\)](#)

[Lake Roosevelt Drawdown Upheld: Reclamation Project Approved by Ninth Circuit \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[NEPA Procedural Ruling in Arizona Snowbowl Case: Claims Found Meritless Under NEPA and APA \(TWR #98, Water Briefs: April 15, 2012\)](#)

[NEPA Litigation Guide - Second Edition Released \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Water Conflict Policy: Federal Agencies & Conflict Resolution \(OMB/CEQ Directive\) \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Pipeline & the Endangered Species Act - 9th Circuit Decision on ESA & NEPA \(Ruby Natural Gas Pipeline\) \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[Keystone XL Pipeline - EPA Raises Objections \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Fracking Risks Lawsuit in California: BLM Leases & NEPA Review \(TWR #111, Water Briefs: May 15, 2013\)](#)

Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson (TWR #118, Dec. 15, 2013)

Hatchery v. Wild Fish: ESA/NEPA Decision in Oregon Federal District Court (TWR #120, Water Briefs: Feb. 15, 2014)

Bay-Delta EIR/EIS Comment Period Extended (TWR #121, Water Briefs: March 15, 2014)

Tribal Water Leasing: Federal Tribal Land Leasing Laws Should Be Extended to Tribal Water Leases by Ryan A. Smith (TWR #125: July 15, 2014)

Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer (TWR #127: Sept. 15, 2014)

Flow Augmentation Releases (Trinity Reservoir): Reclamation Releases for Salmon Protection Lower Klamath River (TWR #128, Water Briefs, Oct. 15, 2014)

Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases (TWR #128, Water Briefs, Oct. 15, 2014)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

Water Released for Salmon by Reclamation - Injunction by Irrigation Districts Denied (TWR #139, Water Briefs: Sept. 15, 2015)

Proposed Reallocation of Non-Indian Agricultural Water in the Central Arizona Project (TWR #143, Water Briefs: Jan. 15, 2016)

Columbia Basin Salmon BiOp Rejected by Federal Court: Fed Plan Invalidated for Fifth Time - ESA & NEPA Violated (TWR #146, Water Briefs: April 15, 2016)

NET METERING:

Infrastructure: Innovative & Multipurpose Financing Frameworks Developed by Stanford's Water in the West (TWR #145, Water Briefs: March 15, 2016)

NEVADA WATER LAW and WATER QUALITY:

Colorado River Basin Agreement (Editor's Addendum) (TWR #39: May 15, 2007)

Groundwater Rights in Nevada: State Engineer Approval of SNWA Applications (TWR #39, Water Briefs: May 15, 2007)

Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell (TWR #56: October 15, 2008)

Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro (TWR #63: May 15, 2009)

Clean Water Act Settlement-Nevada: Union Pacific Agreement Includes \$31 Million Restoration & \$800,000 Penalty (TWR #66, Water Briefs: August 15, 2009)

[Interstate Groundwater Allocation: Nevada - Utah Draft Snake Valley Management Agreement by David Moon \(TWR #67: September 15, 2009\)](#)

[Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith \(TWR #69: Nov. 15, 2009\)](#)

[Interbasin Transfers: Groundwater Rights Vacated by Court in Nevada \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Endocrine Disruptors in Nevada: Lake Mead Pollution \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[Water Rights: Las Vegas Water Applications in Jeopardy Following Nevada Supreme Court Ruling \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[New Era of Interbasin Water Transfers: Part II by Barbara Cosens \(TWR #73: March 15, 2010\)](#)

[Nevada Water Rights Upheaval: State Engineer Seeking Input \(TWR #74, Water Briefs: April 15, 2010\)](#)

[Water Ruling Reversed: New Nevada Supreme Court Decision \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Water Rights Retired in Nevada: Federal/State/Tribal Program \(Newlands Project\) \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Tribal Water Decision in Nevada: Groundwater Change Application Granted by David Moon \(TWR #83: Jan. 15, 2011\)](#)

[Nevada Water Law Publication Released \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[Water Rights Transfers in Nevada: Consumptive Use Limitation and Manner \(Purpose\) of Use \(TWR #88, Water Briefs: June 15, 2011\)](#)

[Colorado River Basin Supply & Demand Study by Carly Jerla, Terry Fulp, and Pam Adams \(TWR #90: August 15, 2010\)](#)

[Public Trust Doctrine Adopted in Nevada: Decision on Navigable Waterways & Restraint on Land Transfers \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Interbasin Transfer Decision in Nevada: Land Use Authority of County Upheld in Transfer Denial \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Las Vegas Water Rights Granted: Groundwater Exportation Allowed for Southern Nevada Water Authority \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Water Rights Forum - Subject Matter Jurisdiction Decision in Nevada \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Nevada Pipeline & Las Vegas Groundwater System: BLM Right-of-Way Final EIS Released \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[Utah & Confederated Tribes of the Goshute: Negotiation MOU to Quantify Reserved Water Rights \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[Las Vegas Water: Governor Releases Utah Water Lawyers' Report on the Snake Valley Water Agreement \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[Las Vegas Groundwater Market - Rights Offered for Sale \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[Streamlined Application Process for Water & Wastewater Systems in Nevada \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Snake Valley Water Agreement Rejected by Utah Governor \(Nevada & Utah Agreement\) \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Southern Nevada Water Authority Article: Low Winter Flows in the Colorado River & Projected Shortages \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Arizona v. California Digital Collection Debuted at William A. Wise Law Library \(CU\) \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Las Vegas Water Rights Decision - Judge Overturns State Engineer Approvals by David Moon \(TWR #119: Jan. 15, 2014\)](#)

[Regional Water Management Cooperation: Study Compares Four Cases in the West by Nathaniel Delano and Sharon B. Megdal \(TWR #121: March 15, 2014\)](#)

[Instream Use Change: Irrigation to Instream Transfer in Nevada Approved by State Engineer \(TWR #122, Water Briefs: April 15, 2014\)](#)

[PCB Contamination: Record Civil Penalty Announced by EPA in Nevada \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Las Vegas Water Rights Offer \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Tribal Water Agreements Highlighted: Shoshone-Paiute Settlement Signed \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Groundwater Orders in Nevada: Las Vegas Applications Back to State Engineer for Decision \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Water Banking & Storage Agreement Between SNWA and MWD Supplements California Supplies During Drought \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Truckee River Operating Agreement Begins: Interstate Allocations \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Nevada Drought Forum Recommendations Report Released \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

[Nevada's 303\(d\) List Show Progress on Impaired Waterways \(TWR #146, Water Briefs: April 15, 2016\)](#)

[NEW MEXICO WATER LAW and WATER QUALITY:](#)

[Pecos Basin Purchases - New Mexico Acquisition Program \(TWR #5, Water Briefs: July 15, 2004\)](#)

[Border States Meeting - Texas and New Mexico Dialogue \(TWR #7, Water Briefs: Sept. 15, 2004\)](#)

[Surface Water Rules - New Mexico \(TWR #9, Water Briefs: Nov. 15, 2004\)](#)

[Law of the Rio Grande \(Report from the 6th Annual Conference\) by David Moon, Editor \(TWR #13: March 15, 2005\)](#)

[Water, Property & Authority in New Mexico: Balancing Tribal and State Sovereign Interests by Stephen H. Greetham \(TWR #14: April 15, 2005\)](#)

[Tribal Water Right Fund Created in New Mexico \(TWR #14, Water Briefs: April 15, 2005\)](#)

[Groundwater Active Management Area Rejected in New Mexico \(TWR #14, Water Briefs: April 15, 2005\)](#)

[Rio Grande Water Regulation: "Active Water Resource Management" \(AWRM\) by David C. Moon \(TWR #15: May 15, 2005\)](#)

[San Juan River Basin - Navajo Nation Settlement Approved \(TWR #15, Water Briefs: May 15, 2005\)](#)

[Drought Relief: Reservoir Storage in New Mexico \(TWR #16, Water Briefs: June 15, 2005\)](#)

[Groundwater Basins in New Mexico Under State Jurisdiction \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Well Metering: Groundwater Requirements in New Mexico \(TWR #23, Water Briefs: Jan. 15, 2006\)](#)

[Aamodt Settlement in New Mexico Water Rights Adjudication \(TWR #27, Water Briefs: May 15, 2006\)](#)

[New Mexico Water Markets: Buying, Selling and Leasing Water Rights by John W. Shomaker and F. Lee Brown \(TWR #29: July 15, 2006\)](#)

[Growth Limits Based on Water Supply: Reclamation Exploratory Well \(TWR #30, Water Briefs: August 15, 2006\)](#)

[Municipal Water Rights in New Mexico: Various Approaches and Development Impacts by James Brockmann \(TWR #31; September 15, 2006\)](#)

[New Mexico Climate Change Report Issued: Water Availability & Demand \(TWR #31, Water Briefs: Sept. 15, 2006\)](#)

[New Mexico Water Trust Fund: Permanent Status Vote \(TWR #33, Water Briefs: Nov. 15, 2006\)](#)

[Strategic Water Reserve: First Acquisition in New Mexico \(TWR #33, Water Briefs: Nov. 15, 2006\)](#)

[Tribal Water Rights - Conference Covers Settlement, Commodification and Other Issues by Harold Shepherd \(TWR #35: January 15, 2007\)](#)

[Santa Fe Water Resources and Policy: Evolving "Wet Growth Regulations" by Kyle Harwood \(TWR #36, February 15, 2007\)](#)

[Watershed Management EPA Grant for New Mexico \(TWR #36, Water Briefs: February 15, 2007\)](#)

[Groundwater Cleanup in New Mexico - PCE Plume & Bioremediation Pilot Project \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Nonpoint Source 2006 Management Report Released in New Mexico \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Water Management Rules Upheld in New Mexico \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Anti-Degradation Rule in New Mexico: Amendments for Restoration \(TWR #42, Water Briefs: August 15, 2007\)](#)

[Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering \(TWR #43, Sept. 15, 2007\)](#)

[Water Cabinet Created in New Mexico \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Water Resources Supply: Groundwater Decision Support System Development by David Jordan, Cynthia Ardito and Van Kelley \(TWR #48: February 15, 2008\)](#)

[New Mexico Legislation Provides Flexibility to Purchase and Sever Water Rights from Land \(Pecos Compact\) \(TWR #49, Water Briefs: March 15, 2008\)](#)

[Seven Rivers Pipeline and Augmentation Wells in New Mexico \(Pecos River Settlement\) \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Domestic Wells in New Mexico: Senior Water Rights Protected in Court Decision \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Water Use Inventory Released by New Mexico \(TWR #55, Water Briefs: September 15, 2008\)](#)

[Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell \(TWR #56: October](#)

15, 2008)

Perchlorate Regulations: New Mexico's Head of Environment Dept. Urges EPA to Provide Drinking Water Protection (TWR #59, Water Briefs: Jan. 15, 2009)

Pecos River Compact Compliance: New Mexico's Compliance Program Meets With Success by James C. Brockmann (TWR #61: March 15, 2009)

Rainwater Harvesting: Conservation Publication Released in New Mexico (TWR #61, Water Briefs: March 15, 2009)

Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro (TWR #63: May 15, 2009)

New Water Laws in New Mexico: Water Management and State Engineer's Authority (TWR #63, Water Briefs: May 15, 2009)

Pecos River Agreement Settlement: Conditions Met (TWR #65, Water Briefs: July 15, 2009)

Water Use Measure Adopted in New Mexico: New Standardized Method (TWR #65, Water Briefs: July 15, 2009)

Tribal and Municipal Water Supply: Navajo-Gallup Project - Reclamation Report & EIS (TWR #66, Water Briefs: August 15, 2009)

Produced Water & Regulatory Structure: Colorado Struggles with Coalbed Methane Jurisdiction & Control by Michelle Henrie (TWR #69: Nov. 15, 2009)

Municipal Water Desalination - Alamogordo: New Mexico's First Large-Scale Municipal Desalination Project by James C. Brockmann (TWR #75: May 15, 2010)

Water Planning in New Mexico: \$100,000 EPA Grant to EPA to New Mexico Environment Department (TWR #75, Water Briefs: May 15, 2010)

Coalbed Methane Produced Groundwater: A Survey of Western Water Law Regulation by Sarah A. Klahn & Jack Tuholske (TWR #77: July 15, 2010)

Tribal Water Rights: Current Issues & Relevant Background by Robert T. Anderson (TWR #77: July 15, 2010)

Illegal Use of Well: Commercial Use of Domestic Well in New Mexico (TWR #80, Water Briefs: Oct. 15, 2010)

New Mexico 2008-2009 Annual State Water Report Released (TWR #80, Water Briefs: Oct. 15, 2010)

Exempt Wells Ruling Reversed in New Mexico (Bounds Decision) (TWR #81, Water Briefs: Nov. 15, 2010)

Bureau of Reclamation Update: Interview with Reclamation Commissioner Mike Connor by David Moon (TWR #82: Dec. 15, 2010)

Headwater Protection in New Mexico - Wilderness Areas Rule Adopted by Water Quality Control Commission (TWR #82, Water Briefs: Dec. 15, 2010)

Environmental Protocol: Santa Clara Pueblo & New Mexico Sign Memorandum of Agreement (TWR #83, Water Briefs: Jan. 15, 2011)

Groundwater Settlement in New Mexico: Mining Release Result in \$13 Million Damages (TWR #83, Water Briefs: Jan. 15, 2011)

Dairy Pollution Discharge Permit Denied in New Mexico: History of Noncompliance Causes Rejection (TWR #83, Water Briefs: Jan. 15, 2011)

Aquifer Cleanup in New Mexico: County & City System Required (PCE Contamination) (TWR #85, Water Briefs: March 15, 2011)

Water Sharing Strategies for Ag/Urban/Enviro in the West: Western States Council Report with CSU's Water Institute (TWR #87, Water Briefs: May 15, 2011)

Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates (TWR #88: June 15, 2011)

Water Settlement in the Lower Rio Grande: Agreement in Principle Reached for Surface and Groundwater (TWR #89, Water Briefs: July 15, 2011)

Colorado River Basin Supply & Demand Study by Carly Jerla, Terry Fulp, and Pam Adams (TWR #90: August 15, 2010)

Southwestern Willow Flycatcher Critical Habitat Set by US Fish & Wildlife Service (TWR #91, Water Briefs: Sept. 15, 2011)

Negotiating Indian Water Rights Claims: 12th Biennial Symposium on the Settlement of Indian Reserved Water Rights by Killoren (TWR #95: Jan. 15, 2012)

Closed Loop Geothermal Power Plants: New Mexico Clarifies Permit Process by Michelle Henrie (TWR #97: March 15, 2012)

Speculation Denied by New Mexico State Engineer: Groundwater Application Rejected (TWR #99, Water Briefs: May 15, 2012)

New Mexico State Engineer's Report: 2009-2011 Annual Report (TWR #102, Water Briefs: August 15, 2012)

Groundwater Cleanup: PCE Removal in Las Cruces, New Mexico (TWR #103, Water Briefs: Sept. 15, 2012)

Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie (TWR #105: Nov. 15, 2012)

New Mexico Priority Administration: New Mexico Supreme Court Decision on State Engineer's Authority by David Moon (TWR #105: Nov. 15, 2012)

Texas v. New Mexico - Texas Sues Over Water Deliveries Under the Rio Grande Compact (U.S. Supreme Court) (TWR #107, Water Briefs: January 15, 2013)

Tribal Claims to the Colorado River by Ryan Smith (TWR #109: March 15, 2013)

Groundwater Closure in New Mexico: Protection of Existing Rights (TWR #109, Water Briefs: March 15, 2013)

Tribal Water Settlement in New Mexico - Aamodt Water Rights (TWR #110, Water Briefs: April 15, 2013)

New Mexico's Exempt Wells Decision & Protection for Senior Water Users by David Moon (TWR #114: August 15, 2013)

Arizona v. California Digital Collection Debuted at William A. Wise Law Library (CU) (TWR #117, Water Briefs: Nov. 15, 2013)

Water Rights Manual for Mutual Domestic Water Consumers Associations Announced in New Mexico (TWR #118, Water Briefs: Dec. 15, 2013)

Rio Grande Compact - Lawsuit Between Texas & New Mexico: U.S. Solicitor General's Brief Filed (TWR #119, Water Briefs: Jan. 15, 2014)

Indian Water Claims - Settlement of Reserved Rights Symposium (TWR #119, Water Briefs: Jan. 15, 2014)

Rio Grande Water: Upper & Lower Basin Studies Released by Reclamation (TWR #120, Water Briefs: Feb. 15, 2014)

Texas v. New Mexico: Supreme Court Grants Texas the Right to Proceed (TWR #120, Water Briefs: Feb. 15, 2014)

Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. (TWR #121: March 15, 2014)

New Mexico Response Filed to U.S. Motion to Intervene: *Texas v. New Mexico* (TWR #122, Water Briefs: April 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Stream Access in New Mexico: Attorney General's Opinion (TWR #123, Water Briefs: May 15, 2014)

Texas v. New Mexico and Colorado: Special Master Appointed for Interstate Compact Case (TWR #129: Water Briefs, Nov. 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Speculation & Fracking: Transfer/Change Request Opposed in New Mexico (TWR #131: Water Briefs, Jan. 15, 2015)

EPA Settlement-Uranium Contamination Finalized: \$5.15 Billion From Handiwork and Kerr-McGee (TWR #132, Water Briefs: Feb. 15, 2015)

Ongoing Drought in the Southwest and Central Plains: Climate Change Megadrought Predicted (TWR #133, Water Briefs: March 15, 2015)

Recycled Water Rules in New Mexico: "Produced Water" Reuse Allowed (TWR #134, Water Briefs: April 15, 2015)

Tribal Water Agreements Highlighted: Shoshone-Paiute Settlement Signed (TWR #134, Water Briefs: April 15, 2015)

Wastewater Discharge Fine in New Mexico: Proposed Penalties for CWA Violations (TWR #137, Water Briefs: July 15, 2015)

Tribal CWA Authorization for Pueblo of Santa Ana in New Mexico (TWR #138, Water Briefs: August 15, 2015)

Santa Fe Basin in New Mexico: Reclamation Study Projects Water Shortfall (TWR #140, Water Briefs: Oct. 15, 2015)

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

Rio Grande Lawsuit: WildEarth Guardians Seek Historical Beneficial Use Accounting for Water Rights (TWR #146, Water Briefs: April 15, 2016)

"NEW WATER":

Finding "New Water" in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

NEW YORK:

Fracking Ban in California?: Wastewater Injections Disclosed & Governor Petitioned (TWR #133, Water Briefs: March 15, 2015)

NEZ PERCE SETTLEMENT:

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

NIOBRARA RIVER:

[Sustainable Water Use: Historic Purchase to Preserve Basin Integrity \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[War and Peace Over the Niobrara River by Don Blankenau \(TWR #142: Dec. 15, 2015\)](#)

NITRATES and NITROGEN:

[Nitrogen & Phosphorus Pollution \(Numeric Water Quality Criteria\): EPA Website Enhanced \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Aquifer Storage & Recovery: Advantages, Challenges, Applications & Approaches for Expanding ASR in the West by Burt and Barry \(TWR #91: Sept. 15, 2011\)](#)

[Agriculture Nutrient Standard Revised by USDA: National Conservation Practice Standard \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[USDA Conservation Reserve Program \(CRP\) General Signup \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[Inland Empire Groundwater: USGS Groundwater Quality Study - Nitrates & Perchlorates \(TWR #102, Water Briefs: August 15, 2012\)](#)

[2008-2009 National Rivers and Stream Assessment - EPA Stream Survey \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre \(TWR #114: August 15, 2013\)](#)

[California's Freshwater Nutrient Numeric Endpoint \(NNE\) Approach: Re-evaluating the Santa Margarita River Case Study by Thomas, Gindlesperger & Barnard \(TWR #115: Sept. 15, 2013\)](#)

[Economic Benefits of Nutrient Reductions: An Analysis of Benefits to Utah Waters \(TWR #116: Oct. 15, 2013\)](#)

[Nutrient Pollution - EPA Research Grants \(TWR #121, Water Briefs: March 15, 2014\)](#)

[Northwest Water Quality Trading: Joint Recommendations in the Pacific Northwest by Sanneman, Cochran, Culliney, Furia, Power & Wigington \(TWR #125: July 15, 2014\)](#)

[Dead Zones in Gulf of Mexico and Chesapeake Bay: NOAA Predictions for 2014 \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Water Quality Trading: States' Pilot Projects and Recommendations \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

[Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson \(TWR #132: Feb. 15, 2015\)](#)

[Nutrient Reduction Strategies Devised by Hypoxia Task Force-Gulf States \(TWR #133, Water Briefs: March 15, 2015\)](#)

[The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt \(TWR #134: April 15, 2015\)](#)

[Algal Toxins: EPA Issues Health Advisory Values \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheume \(TWR #139, Sept. 15, 2015\)](#)

[Steam Electric Plants Toxic Pollutants Discharges: Rule Finalized by EPA \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Nutrient Recycling: EPA's Livestock Waste Competition \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon \(TWR #143: January 15, 2016\)](#)

[Clean Watersheds Needs Survey Released by EPA \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[NOAA & NMFS:](#)

[NOAA Enforcement Priorities Document Released \(TWR #99, Water Briefs: May 15, 2012\)](#)

[NOAA Enforcement: Division Enforcement Priorities for 2013 \(Draft\) Released for Comment \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Salmon Returns - Ocean Conditions Aid Predictions: NOAA-OSU Study \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Klamath BiOp - Operations of Klamath Project Through 2023 Announced by Reclamation \(NMFS & USFWS BiOp\) \(TWR #112, Water Briefs: June 15, 2013\)](#)

[NOAA Awards Funding for Coastal Habitat Restoration Projects \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Oregon's Coastal Nonpoint Pollution Control Program - EPA & NOAA Disapproval Process Begins \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[ESA "Range" of Species Final Policy Announced \("Significant Portion of its Range"\)\(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Reclamation Increases Flow Releases - Lower Klamath River Supplement from Trinity Reservoir \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

[Pesticide Stream Buffers Finalized: Settlement Agreement with EPA \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

[Flow Augmentation Releases \(Trinity Reservoir\): Reclamation Releases for Salmon Protection Lower Klamath River \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Flow Augmentation Releases \(Trinity Reservoir\): Reclamation Releases for Salmon Protection Lower Klamath River \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[West Coast ESA Challenges: The View from NOAA Fisheries \(Regional Administrator William Steele's Presentation\) by David Light \(TWR #133: March 15, 2015\)](#)

[National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch \(TWR #145: March 15, 2016\)](#)

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher \(TWR #148: June 15, 2016\)](#)

["NO BUILD" ZONE:](#)

Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation by Molly Lawrence (TWR #131: Jan. 15, 2015)

"NO INJURY" RULE (See also Transfers):

Exempt Wells in the West: Complications & Compromises by Nathan Bracken (TWR #74, April 15, 2010)

Irrigation Efficiency: Conserved Water & Return Flow - Supreme Court Decision in *Montana v. Wyoming* (TWR #87, Water Briefs: May 15, 2011)

Ag to Urban Transfer: No Injury Rule & Historical Use (Colorado Decision) (TWR #88, Water Briefs: June 15, 2011)

Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie (TWR #89: July 15, 2011)

Aquifer Storage & Recovery: Advantages, Challenges, Applications & Approaches for Expanding ASR in the West by Burt and Barry (TWR #91: Sept. 15, 2011)

Closed Loop Geothermal Power Plants: New Mexico Clarifies Permit Process by Michelle Henrie (TWR #97: March 15, 2012)

Las Vegas Water Rights Granted: Groundwater Exportation Allowed for Southern Nevada Water Authority (TWR #98, Water Briefs: April 15, 2012)

Speculation Denied by New Mexico State Engineer: Groundwater Application Rejected (TWR #99, Water Briefs: May 15, 2012)

Historic Use & "Takings" Decision in Colorado: Transfer Application Prompts Review (TWR #100, Water Briefs: June 15, 2012)

Local Land Use Decisions & Water Supply Considerations: New Rules from the Washington Supreme Court by Dave Monthie (TWR #102: August 15, 2012)

Water Transfers in the West by Carlee Brown (TWR #107: January 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Las Vegas Water Rights Decision - Judge Overturns State Engineer Approvals by David Moon (TWR #119: Jan. 15, 2014)

Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol (TWR #121: March 15, 2014)

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

Water Right Nonuse: Historical Beneficial Consumptive Use in Change Proceedings in Colorado (TWR #133, Water Briefs: March 15, 2015)

Instream Flow Rights Decision in Colorado: State Agency Authority Upheld - Policy of Preserving Natural Environment (TWR #135, Water Briefs:

May 15, 2015)

Small Scale Hydropower & Ditch Easements: Colorado Decision Applies “No Injury Rule” and Maximum Use by David Moon (TWR #136: June 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Colorado Water Markets: “Alternative Transfer Mechanisms” by P. Andrew Jones (TWR #138, August 15, 2015)

Alaska Instream Water Applications Decision: “Public Interest” and the “Most Beneficial Use” by Moon (TWR #141: Nov. 15, 2015)

Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon (TWR #141: Nov. 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

NOISE ANALYSIS:

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

NON-CONJUNCTIVE RIGHTS (Legal Separation - Arizona):

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

NON-CONSUMPTIVE RIGHTS (see also [INSTREAM RIGHTS AND HYDROPOWER](#)):

Colorado River Basin Studies Released: Tribal Non-Consumptive Water Uses and Research Needs in the Basin (TWR #125, Water Briefs: July 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmén (TWR #129: Nov. 15, 2014)

Small Scale Hydropower & Ditch Easements: Colorado Decision Applies “No Injury Rule” and Maximum Use by David Moon (TWR #136: June 15, 2015)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

NONDEGRADATION STANDARDS:

Interstate Water Quality: Coalbed Methane Conflict Between Wyoming and Montana (TWR #27, Water Briefs: May 15, 2006)

ESA & CWA: Endangered Species Act Influences on EPA's Clean Water Act Programs (The Washington State Example) by Palmer (TWR #37: March 15, 2007)

Headwater Protection in New Mexico - Wilderness Areas Rule Adopted by Water Quality Control Commission (TWR #82, Water Briefs: Dec. 15, 2010)

Mining Bill Vetoed by Governor in Montana: Groundwater & Surface Water Impacts Cited (TWR #111, Water Briefs: May 15, 2013)

NONNAVIGABLE STREAMS:

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

NONPOINT SOURCE:

Nonpoint Sources - Arizona Grants (TWR #18, Water Briefs: August 15, 2005)

Nonpoint Source Management Guidance by EPA (TWR #19, Water Briefs, September 15, 2005)

Nonpoint Pollution: EPA Guidance on Stormwater (TWR #23, Water Briefs: Jan. 15, 2006)

Agricultural Drainage Water: \$17.5 Million in Grants Awarded in California (TWR #33, Water Briefs: Nov. 15, 2006)

Tribal Water Quality: EPA Grants and Guidance for Non Point Source Pollution Program (TWR #33, Water Briefs: Nov. 15, 2006)

Nonpoint Source 2006 Management Report Released in New Mexico (TWR #39, Water Briefs: May 15, 2007)

Water Quality Modeling Tool: EPA Releases New Version (TWR #39, Water Briefs: May 15, 2007)

Nutrient Numeric Endpoints: Not Quite Ready for Prime Time? by Jeremy N. Jungreis and Scott Thomas (TWR #42: August 15, 2007)

Utah Nonpoint Source Grant Program: Why Is It Needed? - How Will It Work? by Shelly Quick (TWR #44, Oct. 15, 2007)

Water Quality Standards & Hydropower Dams: Finding Concrete Solutions by Rebecca Sherman, Brett Swift and Rick Eichstaedt (TWR #45, Nov.

15, 2007)

Impaired Waters and Permitting: Implications of the *Pinto Creek* Decision by Jeremy N. Jungreis (TWR #46: December 15, 2007)

TMDL Challenges in Development and Implementation by David L. Clark, Jory Oppenheimer, and Michael Kasch (TWR #47: January 15, 2008)

Nonpoint Source Pollution Control Web Reference Guide Released by SWRCB (TWR #59, Water Briefs: Jan. 15, 2009)

Ecomarket Approaches to Addressing Water Quality Obligations: Legal Overview & Hells Canyon Test Case by Glick & Nocar (TWR #63: May 15, 2009)

Utilities Receive EPA Awards in South Dakota: Nonpoint Source Program & Safe Drinking Water (TWR #67, Water Briefs: Sept. 15, 2009)

Tribal Clean Water Act Program: Nonpoint Source Pollution (TWR #73, Water Briefs: March 15, 2010)

Water Resources & Environment - Legislative Update from Washington, D.C.: Conversations with Ryan C. Seiger, Staff Director for the US House Subcommittee on Water Resources and Environment by Joan Card (TWR #80: Oct. 15, 2010)

Phosphorus Water Quality Standard Adopted in Wisconsin (TWR #78, Water Briefs: Aug. 15, 2010)

Coastal Logging: Water Quality Lawsuit Impacts State Logging Practices - Enforceable Nonpoint Limits to be Established (TWR #80, Water Briefs: Oct. 15, 2010)

Nutrient Assessment of Streams & Groundwater: USGS Study (TWR #81, Water Briefs: Nov. 15, 2010)

Federal Stormwater Rulemaking: Association of State & Interstate Water Pollution Control Administrators Comments (TWR #84: Feb. 15, 2011)

Agriculture Nutrient Standard Revised by USDA: National Conservation Practice Standard (TWR #95, Water Briefs: Jan. 15, 2012)

EPA Effluent Guidelines: Proposed Regulation of Shale Gas & Coalbed Methane Effluent by Campbell & Howe (TWR #96: Feb. 15, 2012)

Oregon Temperature Water Quality Standards Upheld (Sort Of) by Richard M. Glick (TWR #98: April 15, 2012)

Watershed Restoration Success: Nonpoint Sources Addressed - EPA Section 319 Program (TWR #99, Water Briefs: May 15, 2012)

Water Quality Trading-"In It Together: A How-To Reference for Building Point-Nonpoint Water Quality Trading Programs by Cochran, Maness & Lindley (TWR #103: Sept. 15, 2012)

Nonpoint Source Pollution: Restoration Success in Texas Using Voluntary BMPs (TWR #103, Water Briefs: Sept. 15, 2012)

Lawsuit Challenges All Water Quality Trading - Comments by Tom Lindley (TWR #105: Nov. 15, 2012)

Nonpoint Source Guidelines & Grants Released by EPA for States & Territories (TWR #106, Water Briefs: Dec. 15, 2012)

Sediment Control in Arizona: ADEQ-EPA Grant Program - Piping Project & Nonpoint Pollution Control (TWR #111, Water Briefs: May 15, 2013)

Nutrient Trading & Water Quality by Susan Parker Bodine (TWR #113: July 15, 2013)

Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)

Oregon's Coastal Nonpoint Pollution Control Program - EPA & NOAA Disapproval Process Begins (TWR #119, Water Briefs: Jan. 15, 2014)

Supreme Court Stormwater Ruling: *Los Angeles Flood Control District v. NRDC* - A Strange and Meandering Case by Christopher Rich (TWR #120: Feb. 15, 2014)

TMDL Report - GAO Recommends Changes: Nonpoint Source Regulation Included (TWR #120, Water Briefs: Feb. 15, 2014)

Nutrient Pollution - EPA Research Grants (TWR #121, Water Briefs: March 15, 2014)

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

Northwest Water Quality Trading: Joint Recommendations in the Pacific Northwest by Sanneman, Cochran, Culliney, Furia, Power & Wigington (TWR #125: July 15, 2014)

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

Water Quality Trading: States' Pilot Projects and Recommendations (TWR #127, Water Briefs: Sept. 15, 2014)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

NON-POTABLE USE:

Gila Water Storage: Innovative Banking Creates “Long-Term Storage Credits” - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

Finding “New Water” in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

Using Graywater & Stormwater to Enhance Local Water Supplies: An Assessment of Risks, Costs, & Benefits Published (TWR #146, Water Briefs: April 15, 2016)

“NONTRADITIONAL WATERS”:

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

"NON-TRIBUTARY GROUNDWATER":

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

NON-USE of Water (see also Forfeiture and Abandonment):

["Acquavella V" Decision Issued in Washington State Adjudication \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Acquavella Update: Washington's 36-Year Old Water Rights Adjudication Nears An End by Jeff Kray \(TWR #115: Sept. 15, 2013\)](#)

[Hydropower Rights Battle in Nebraska: Forfeiture and Abandonment Asserted by Groundwater Irrigators \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith \(TWR #133: March 15, 2015\)](#)

[Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith \(TWR #133: March 15, 2015\)](#)

[Water Right Nonuse: Historical Beneficial Consumptive Use in Change Proceedings in Colorado \(TWR #133, Water Briefs: March 15, 2015\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

"NO PROJECT" ALTERNATIVE:

["Underground Regulation" — Agency Rulemaking & the California Administrative Procedures Act by Damien Schiff \(TWR #133: March 15, 2015\)](#)

NORTH DAKOTA WATER RIGHTS/WATER QUALITY:

[Western States Water Update: Western States Water Council Meets in Montana by David C. Moon \(TWR #44, Oct. 15, 2007\)](#)

[Wetlands Violation & Agreement in North Dakota: Unauthorized Dredge & Fill \(TWR #57, Water Briefs: November 15, 2008\)](#)

[New Era of Interbasin Water Transfers: Part II by Barbara Cosens \(TWR #73: March 15, 2010\)](#)

[Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon \(TWR #132: Feb. 15, 2015\)](#)

[Crude Oil-By-Rail & the Endangered Species Act: Coming Soon to Train Tracks Near You? by Kristen L. Boyles \(TWR #136: June 15, 2015\)](#)

[Fracking Spills in North Dakota: Duke University Study on Widespread Water & Soil Contamination \(TWR #146, Water Briefs: April 15, 2016\)](#)

"NO SURPRISES" RULE:

[Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson \(TWR #118, Dec. 15, 2013\)](#)

NOTICE (see also "Call" for Water; Delivery Call):

[Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon \(TWR #132: Feb. 15, 2015\)](#)

[Tribal Fishing Rights Lead to Coal Terminal Rejection by the Corps of Engineers \(TWR #148, Water Briefs: June 15, 2016\)](#)

NOTICE and COMMENT:

[“Underground Regulation” — Agency Rulemaking & the California Administrative Procedures Act by Damien Schiff \(TWR #133: March 15, 2015\)](#)

NOTICE OF APPROPRIATION:

[Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz \(TWR #134: April 15, 2015\)](#)

NOTICES OF NON-APPLICABILITY (NO DISCHARGE):

[California's New Industrial Storm Water Permit by Wendy L. Manley, Wendel Rosen Black & Dean, LLP \(TWR #124: June 15, 2014\)](#)

“NO TRADE” (WATER MARKETING):

[Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington’s Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

NPDES PERMITS (see also WATER QUALITY & CLEAN WATER ACT):

[Watershed-Based NPDES Permit - National First \(TWR #1, Water Briefs: March 15, 2004\)](#)

[Stormwater Violations \(TWR #1, Water Briefs: March 15, 2004\)](#)

[Waterway-To-Waterway Transference: NPDES Permit Requirements and the *Miccosukee* Case by Rick Glick \(TWR #2: April 15, 2004\)](#)

[Statewide Aquatic Herbicide Permit - California \(*Headwaters, Inc. v. Talent Irrigation District* response\) \(TWR #4, Water Briefs: June 15, 2004\)](#)

[Ecology General Permit - Sand and Gravel Regulations \(TWR #5, Water Briefs: July 15, 2004\)](#)

[Fish Farm Wastewater - New EPA Regulations \(TWR #5, Water Briefs: July 15, 2004\)](#)

[Sewage Overflow - \\$2 Billion Settlement in Los Angeles \(TWR #6, Water Briefs: Aug. 15, 2004\)](#)

[Water Quality Standards: 9th Circuit Holding on Dam Operations \(TWR #8, Water Briefs: Oct. 15, 2004\)](#)

[Basin-Wide TMDL Development: Impacts on NPDES Permits by Suzanne C. Lacampagne and Jason B. Joner \(TWR #9: Nov. 15, 2004\)](#)

[Sewage "Blending" and EPA Proposed Rule \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Toxicity Guidance EPA Draft: WET Testing in NPDES Permits \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Clean Water Act Enforcement - NPDES Violations \(TWR #14, Water Briefs: April 15, 2005\)](#)

[CAFO Ruling in 2nd Circuit \(TWR #15, Water Briefs: May 15, 2005\)](#)

[Clean Water Decision Regarding Costs of Compliance \(TWR #15, Water Briefs: May 15, 2005\)](#)

[CWA Public Notice: General Permits \(TWR #17, Water Briefs: July 15, 2005\)](#)

[State NPDES Authority: NPDES Program Vacated in Arizona \(TWR #19, Water Briefs, September 15, 2005\)](#)

[Clean Water Act Fine for Inaccurate Reporting \(TWR #21, Water Briefs: Nov. 15, 2005\)](#)

[CWA & ESA Intersections - Water Quality & ESA Section 7: Northwest Examples by Melanie J. Rowland \(TWR #25: March 15, 2006\)](#)

[Nogales Wastewater Treatment: International Issues Impact Progress by Joe Gelt \(TWR #27: May 15, 2006\)](#)

[NPDES Authority Challenged in Washington: Stormwater & Point Sources \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Water Transfer Rule: EPA Clarification Regarding NPDES Permits \(TWR #28, Water Briefs, June 15, 2006\)](#)

[Federal CAFO Rules: Proposed NPDES Revisions by EPA \(TWR #29, Water Briefs: July 15, 2006\)](#)

[Wastewater Discharge Permits: Pollutant Trading Allowed for Discharge \(TWR #29, Water Briefs, July 15, 2006\)](#)

[Stormwater Panel: Feasibility of Numeric Effluent Limits Applicable to Stormwater Discharges \(TWR #30, Water Briefs: August 15, 2006\)](#)

[Municipal Wastewater Violations in Idaho - EPA Settlement \(TWR #31, Water Briefs: Sept. 15, 2006\)](#)

[EPA Enforcement in Alaska: Discharges Without NPDES Permit \(TWR #31, Water Briefs: Sept. 15, 2006\)](#)

[State NPDES Programs & ESA Consultation: Federal Court Rejects Argument ESA Consultation Required by Morford & Ginsberg \(TWR #34: December 15, 2006\)](#)

[NPDES Permits & Water Transfers: Post-*Miccosukee* Court in Florida Finds NPDES Permit Necessary by Richard M. Glick \(TWR #35: January 15, 2007\)](#)

[NPDES Requirements & Pesticides: EPA's Final Rule Exempts Certain Applications by Beth S. Ginsberg \(TWR #35: January 15, 2007\)](#)

[Water Transfers and the Clean Water Act by Rick Glick \(TWR #36, February 15, 2007\)](#)

[New Stormwater Regulations in Washington \(TWR #36, Water Briefs: February 15, 2007\)](#)

[ESA & CWA: Endangered Species Act Influences on EPA's Clean Water Act Programs \(The Washington State Example\) by Palmer \(TWR #37: March 15, 2007\)](#)

[Municipal Wastewater: Phosphorus Reduction & Permits \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Clean Water Act Violation: Negotiated Settlement in Alaska \(TWR #38, Water Briefs: April 15, 2007\)](#)

[Elwha River Dam Removal: CWA Permit Issued \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Supreme Court Limits ESA: *National Homebuilders v. Defenders of Wildlife* by Richard M. Glick and Lindsay Eyler \(TWR #41: July 15, 2007\)](#)

[Nutrient Numeric Endpoints: Not Quite Ready for Prime Time? by Jeremy N. Jungreis and Scott Thomas \(TWR #42: August 15, 2007\)](#)

[City/EPA Settlement for Wastewater Treatment Violations \(CWA\) \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Response to "Nutrient Numeric Endpoints: Not Quite Ready for Prime Time?" \(Jungreis & Thomas, TWR #42\) by Dr. Jonathan Butcher and Cynthia Gorham-Test \(TWR #43, Sept. 15, 2007\)](#)

[Watershed-Based NPDES Permitting Technical Guidance Issued by EPA \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Utah Nonpoint Source Grant Program: Why Is It Needed? - How Will It Work? by Shelly Quick \(TWR #44, Oct. 15, 2007\)](#)

[Coalbed Methane: Montana's Anti-Degradation & Numeric Standards \(TWR #45, Water Briefs: Nov. 15, 2007\)](#)

[Discharges Ruling: NPDES Prohibition on Impaired Waterways \(TWR #45, Water Briefs: Nov. 15, 2007\)](#)

[Wastewater Treatment-Benefits of Moving Beyond Minimum Reqmts.: King County's Brightwater Project by Hummel \(TWR #46: December 15, 2007\)](#)

[Impaired Waters and Permitting: Implications of the *Pinto Creek* Decision by Jeremy N. Jungreis \(TWR #46: December 15, 2007\)](#)

[Clean Water Act Copper Limits to Protect Salmon: NPDES Permit Developments for Puget Sound, Washington by John Palmer \(TWR #54, August 15, 2008\)](#)

[Water Transfers: Permit Not Needed Under New EPA Rule \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Alaskan NPDES Authority Sought \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Ballast Water Discharges & Invasive Species: Decision Requires Clean Water Act NPDES Permits \(TWR #54, Water Briefs: August 15, 2008\)](#)

[NPDES Fees: EPA Incentives Program \(TWR #55, Water Briefs: September 15, 2008\)](#)

[New Stormwater Multi-Sector General Permit Issued by EPA \(TWR #56, Water Briefs: October 15, 2008\)](#)

[EPA Clean Water Act Regs: 9th Circuit Affirms Mandate that EPA Issue Construction Industry Guidelines/Standards by Iani & Kennedy \(TWR #57: Nov. 15, 2008\)](#)

[NPDES Permits Program Approved by EPA in Alaska \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Clean Water Act Citizen Suits - The Plaintiff's Perspective: Liability is "Strict" - What's Left to Discuss? by Michael Chappell \(TWR #60: Feb. 15, 2009\)](#)

[NPDES Ruling: US Supreme Court Denies Appeal in *Friends of Pinto Creek v. EPA* \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Water Transfers & the CWA: Eleventh Circuit Upholds EPA Interpretation of Clean Water Act as Exempting Water Transfers from NPDES Requirements by Sensiba & Carbonell \(TWR #65: July 15, 2009\)](#)

[Large NPDES Penalty for Tyson in Nebraska: Missouri River Discharges \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[NPDES Violations for Mine in Alaska: EPA Enforcement Action \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Residual Designation Authority: New Applications of Seldom-Used Clean Water Act Regulatory Tool by Robert W. Varney \(TWR #71: Jan. 15, 2010\)](#)

[New Era of Interbasin Water Transfers by Barbara Cosens \(TWR #72: Feb. 15, 2010\)](#)

[NPDES Enforcement Annual Report Released in California \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Washington Stormwater Regulation: New Industrial Stormwater General Permit by Jeff Kray \(TWR #75: May 15, 2010\)](#)

[EPA Proposes New Permit Requirements for Pesticide Discharges \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Sanitary Sewer Overflows: EPA Rulemaking \(TWR #76, Water Briefs: June 15, 2010\)](#)

[CAFO Regulations: EPA Releases Implementations Guidance Document \(TWR #77, Water Briefs: July 15, 2010\)](#)

[CAFO Discharges in Idaho \(EPA Order - Simplot Cattle Feeding Company \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Clean Water Act Litigation: Avoiding and Responding to Third-Party Lawsuits by Jeff Kray & Meline MacCurdy \(TWR #79, Sept. 15, 2010\)](#)

[Logging Road Runoff: U.S. Loggers Lose an Important Clean Water Act Exemption by Jeffrey J. Miller & Robert A. Maynard \(TWR #79, Sept. 15, 2010\)](#)

[Pesticides Regulation: EPA Concludes Comment Period on Proposed Pesticide General Permit - Final Permit Issuance Expected This December by Lindley & Hamilton \(TWR #80: Oct. 15, 2010\)](#)

[Clean Water Act Complaint in Idaho: Fish Farm Violations \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[NPDES Permit Writer's Manual Released \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Federal Stormwater Rulemaking: Association of State & Interstate Water Pollution Control Administrators Comments \(TWR #84: Feb. 15, 2011\)](#)

[Water Quality Permits Information Access: Oregon DEQ Launches Water Quality Electronic Document Repository by Daniel Hermosillo \(TWR #84: Feb. 15, 2011\)](#)

[NPDES Permit Writing: Web-Based Training by EPA \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Stormwater and TMDL Allocations: EPA Recommends Stormwater Permit Numeric Wasteload Allocations by Eric Strecker \(TWR #85: March 15, 2011\)](#)

[Dissolved Metals in Stormwater: Biotic Ligand Model - New Treatment Paradigm \(Obtaining Environmental Protection With New Technology & Defensible Standards by Wisdom & Bucich \(TWR #86: April 15, 2011\)](#)

[Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie \(TWR #89: July 15, 2011\)](#)

[Fish Consumption & Tribes: Revised Water Quality Standards in Oregon \(TWR #89, Water Briefs: July 15, 2011\)](#)

[CAFO\(s\) Report Proposal: Settlement Results in Operational Information Reports \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[Pesticides Use & NPDES Permitting: Pesticide Applications Near US Waters Brought Within NPDES Permitting Program by MacCurdy \(TWR #94:](#)

Dec. 15, 2011)

EPA Effluent Guidelines: Proposed Regulation of Shale Gas & Coalbed Methane Effluent by Campbell & Howe (TWR #96: Feb. 15, 2012)

LID Stormwater Retrofitting: Application to Residential Areas Around Puget Sound by Amalia Leighton (TWR #97: March 15, 2012)

CAFO Permit Technical Manual Released by EPA (TWR #97, Water Briefs: March 15, 2012)

Industrial Stormwater Permitting: Status and Trends in Western States by Gregg Bryden (TWR #98: April 15, 2012)

The Washington Stormwater Center: Stormwater Assistance by John D. Stark, Ph.D. and Tanyalee Erwin (TWR #99: May 15, 2012)

Green Infrastructure Permitting & Enforcement: EPA Fact Sheets Released for NPDES Programs (TWR #101, Water Briefs: July 15, 2012)

CAFO Reporting Rules: EPA Withdrawal and Revisions (TWR #102, Water Briefs: August 15, 2012)

Water Quality Trading-"In It Together: A How-To Reference for Building Point-Nonpoint Water Quality Trading Programs by Cochran, Maness & Lindley (TWR #103: Sept. 15, 2012)

Ben Grumbles & The U.S. Alliance: Interview by Tom Lindley (TWR #104: Oct. 15, 2012)

Prison Sentence for Clean Water Act Violations in Washington (TWR #105, Water Briefs: Nov. 15, 2012)

New EPA Stormwater Rules Issued on Logging Roads Runoff Just Before Supreme Court Argument (TWR #106, Water Briefs: Dec. 15, 2012)

Stormwater Ruling from US Supreme Court - Transfer of Polluted Water Not "Discharge" Under CWA (TWR #107, Water Briefs: January 15, 2013)

Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase (TWR #108: Feb. 15, 2013)

Green Infrastructure Factsheets on Permitting & Enforcement Released by EPA - NPDES Wet Weather Programs (TWR #108, Water Briefs: Feb. 15, 2013)

Washington Stormwater Center: Projects Update by Lisa Rozmyn (TWR #109: March 15, 2013)

California Small MS4s Regulation: State Adopts New Stormwater Regulations & Expands Program by Wendy Manley (TWR #109: March 15, 2013)

Nutrient Trading & Water Quality by Susan Parker Bodine (TWR #113: July 15, 2013)

Stormwater Cleanup: Proof for Liability in Clean Water Act Suit - Representative Locations in Pollution Monitoring (TWR #115, Water Briefs: Sept. 15, 2013)

Proposed Reissuance of NPDES General Permit for Stormwater Discharges From Industrial Activities (TWR #116, Water Briefs: Oct. 15, 2013)

Reclamation Developing Directive & Standard for Non-Agricultural Discharges Into Facilities (TWR #117, Water Briefs: Nov. 15, 2013)

Water Quality Trading: USDA - EPA Partnership Expanded (TWR #118, Water Briefs: Dec. 15, 2013)

Supreme Court Stormwater Ruling: *Los Angeles Flood Control District v. NRDC* - A Strange and Meandering Case by Christopher Rich (TWR #120: Feb. 15, 2014)

Case Studies of Water Quality Trading (WQT) Being Used for Compliance with Nutrient NPDES Permit Limits (TWR #120, Water Briefs: Feb. 15, 2014)

Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, (TWR #122: April 15, 2014)

Stormwater Final Rule Published by EPA: Construction & Development (TWR #122, Water Briefs: April 15, 2014)

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

Fish Consumption Rates: Idaho DEQ Implementing Statewide Survey for Water Quality Criteria (TWR #123, Water Briefs: May 15, 2014)

Cooling Water Intakes: EPA Standards Finalized (TWR #124, Water Briefs: June 15, 2014)

Northwest Water Quality Trading: Joint Recommendations in the Pacific Northwest by Sanneman, Cochran, Culliney, Furia, Power & Wigington (TWR #125: July 15, 2014)

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations (Congressional Research Service) by Claudia Copeland (TWR #128, Oct. 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmén (TWR #129: Nov. 15, 2014)

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

Tribal Wastewater - Water Pollution Facility & Settlement Over CWA Violations by Tribal Utility (TWR #138, Water Briefs: August 15, 2015)

“Waters of the US” Definition: Preliminary Injunction Stops Application of New EPA/Army Corps Rule by David Moon (TWR #139, Sept. 15, 2015)

Recycled Snowmaking - Wastewater Treatment to Ski Area (TWR #142, Water Briefs: Dec. 15, 2015)

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

Stormwater Regs: New Construction General Permit for NPDES Permits Proposed by EPA (TWR #146, Water Briefs: April 15, 2016)

Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher (TWR #148: June 15, 2016)

Tribal Fishing Rights Lead to Coal Terminal Rejection by the Corps of Engineers (TWR #148, Water Briefs: June 15, 2016)

NUCLEAR PLANT:

Nuclear Plant Impacts: NRC Proposed Guidance for Groundwater Protection (TWR #143, Water Briefs: Jan. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

NUCLEAR POWER WATER RIGHTS:

Nuclear Power Water Right Change Applications Approved in Utah (TWR #96, Water Briefs: Feb. 15, 2012)

Utah Nuclear Plant Water Right Transfers Upheld by Court (TWR #118, Water Briefs: Dec. 15, 2013)

Groups Appeal Water Rights Decision for Nuclear Reactor Project (Speculation, Availability & Stream Environment) (TWR #128, Water Briefs, Oct. 15, 2014)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

NUISANCE:

Groundwater Recharge Upheld in Arizona: "Takings" and Tort Claims Denied (TWR #58, Water Briefs: December 15, 2008)

Takings & Water Rights: Applicability of the Takings Clause to Water Rights Regulations (Federal Circuit Developments) by Walston (TWR #93: Nov. 15, 2011)

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

NUTRIENTS/NUTRIENT NUMERIC ENDPOINTS/NUMERIC STANDARDS:

Nutrient Numeric Endpoints: Not Quite Ready for Prime Time? by Jeremy N. Jungreis and Scott Thomas (TWR #42: August 15, 2007)

Response to "Nutrient Numeric Endpoints: Not Quite Ready for Prime Time?" (Jungreis & Thomas, TWR #42) by Dr. Jonathan Butcher and Cynthia Gorham-Test (TWR #43, Sept. 15, 2007)

Nutrient Numeric Endpoint Development (Brief Reply to Response of Dr. Jonathan Butcher and Ms. Cynthia Gorham Test) by Jeremy N. Jungreis and Dr. Scott Thomas (TWR #45, Nov. 15, 2007)

Impaired Waters and Permitting: Implications of the *Pinto Creek* Decision by Jeremy N. Jungreis (TWR #46: December 15, 2007)

TMDL Challenges in Development and Implementation by David L. Clark, Jory Oppenheimer, and Michael Kasch (TWR #47: January 15, 2008)

Mississippi River Nutrients: Gulf Dead Zone (TWR #53, Water Briefs: July 15, 2008)

Storm Water Regulation Update: Rough Waters In California by Wendy L. Manley (TWR #55: September 15, 2008)

New Stormwater Regulations: EPA Proposes Rule for New Effluent Limitations-Guidelines for Construction & Development by Ziemer (TWR #59: Jan. 15, 2009)

California Storm Water Regulation: State Intensifies Regulation of Runoff from Construction Sites by Wendy L. Manley (TWR #68: Oct. 15, 2009)

Delta Smelt Decline: New Study Blames Nutrient Pollution (TWR #76, Water Briefs: June 15, 2010)

Construction Stormwater Regulation: EPA Withdraws Numeric Sedimentation Limits by Tom Lindley and Jessica Hamilton (TWR #79, Sept. 15, 2010)

EPA Construction Stormwater Rule: Seventh Circuit Clarifies Ruling by Tom Lindley and Jessica Hamilton (TWR #80: Oct. 15, 2010)

Phosphorus Water Quality Standard Adopted in Wisconsin (TWR #78, Water Briefs: Aug. 15, 2010)

Nutrient Assessment of Streams & Groundwater: USGS Study (TWR #81, Water Briefs: Nov. 15, 2010)

Stormwater and TMDL Allocations: EPA Recommends Stormwater Permit Numeric Wasteload Allocations by Eric Strecker (TWR #85: March 15, 2011)

Nitrogen & Phosphorus Pollution (Numeric Water Quality Criteria): EPA Website Enhanced (TWR #90, Water Briefs: August 15, 2011)

Gulf Coast Restoration: EPA Ecosystem Strategy Released (TWR #92, Water Briefs: Oct. 15, 2011)

Agriculture Nutrient Standard Revised by USDA: National Conservation Practice Standard (TWR #95, Water Briefs: Jan. 15, 2012)

Industrial Stormwater Permitting: Status and Trends in Western States by Gregg Bryden (TWR #98: April 15, 2012)

CAFOs Permit Manual & Nutrient Management (TWR #100, Water Briefs: June 15, 2012)

Ben Grumbles & The U.S. Alliance: Interview by Tom Lindley (TWR #104: Oct. 15, 2012)

Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase (TWR #108: Feb. 15, 2013)

2008-2009 National Rivers and Stream Assessment - EPA Stream Survey (TWR #110, Water Briefs: April 15, 2013)

Nutrient Trading & Water Quality by Susan Parker Bodine (TWR #113: July 15, 2013)

Ecological Health in the Nation's Streams, 1993-2005 Released by USGS (TWR #114, Water Briefs: August 15, 2013)

California's Freshwater Nutrient Numeric Endpoint (NNE) Approach: Re-evaluating the Santa Margarita River Case Study by Thomas, Gindlesperger & Barnard (TWR #115: Sept. 15, 2013)

Economic Benefits of Nutrient Reductions: An Analysis of Benefits to Utah Waters (TWR #116: Oct. 15, 2013)

Numeric Nutrients: EPA Toolkit for Criteria Released (TWR #116, Water Briefs: Oct. 15, 2013)

Supreme Court Stormwater Ruling: *Los Angeles Flood Control District v. NRDC* - A Strange and Meandering Case by Christopher Rich (TWR #120: Feb. 15, 2014)

Case Studies of Water Quality Trading (WQT) Being Used for Compliance with Nutrient NPDES Permit Limits (TWR #120, Water Briefs: Feb. 15, 2014)

Nutrient Pollution - EPA Research Grants (TWR #121, Water Briefs: March 15, 2014)

Stormwater Final Rule Published by EPA: Construction & Development (TWR #122, Water Briefs: April 15, 2014)

California's New Industrial Storm Water Permit by Wendy L. Manley, Wendel Rosen Black & Dean, LLP (TWR #124: June 15, 2014)

[Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell \(TWR #126: August 15, 2014\)](#)

[Nutrient Reduction Strategies Devised by Hypoxia Task Force-Gulf States \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Algal Toxins: EPA Issues Health Advisory Values \(TWR #136, Water Briefs: June 15, 2015\)](#)

[The Pope Talks On Water: Pope Francis' Encyclical on "The Issue of Water" \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Nutrient Recycling: EPA's Livestock Waste Competition \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug \(TWR #143: January 15, 2016\)](#)

[Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon \(TWR #143: January 15, 2016\)](#)

[Nevada's 303\(d\) List Show Progress on Impaired Waterways \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Water Quality Monitoring Report Released by Izaak Walton League of America: Haphazard & Limited \(TWR #146, Water Briefs: April 15, 2016\)](#)

NUTRIENT RECOVERY/RECYCLING:

[Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson \(TWR #132: Feb. 15, 2015\)](#)

[Nutrient Reduction Strategies Devised by Hypoxia Task Force-Gulf States \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Nutrient Recycling: EPA's Livestock Waste Competition \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug \(TWR #143: January 15, 2016\)](#)

[Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative \(TWR #146: April 15, 2016\)](#)

OBSERVATION WELL:

[Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield \(TWR #148: June 15, 2016\)](#)

OCEAN PLAN - CALIFORNIA:

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

OCEAN POLLUTION:

[EPA Fine for Ocean Dumping of Dredged Material \(TWR #2, Water Briefs: April 15, 2004\)](#)

[Mississippi River Nutrients: Gulf Dead Zone \(TWR #53, Water Briefs: July 15, 2008\)](#)

"OFF-PROJECT" IRRIGATORS:

[Klamath Settlement "Agreement in Principle" Reached Between Klamath Tribes and "Off-Project" Irrigators \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Klamath Agreement - Upper Klamath Basin Comprehensive Agreement Reached \(TWR #121, Water Briefs: March 15, 2014\)](#)

OFF-ROAD VEHICLES:

[Yakima Water Plan: The Other Side of the Story by Evans, Forsgaard, Maykut & Packard \(TWR #108: Feb. 15, 2013\)](#)

OFF-RESERVATION RIGHTS and IMPACTS (see also Tribal Water Rights):

[Klamath Adjudication - The Judicial Phase Begins: New Era in Oregon's Contentious Water History by MacDougal, Orford & Timmons \(TWR #113: July 15, 2013\)](#)

[CSKT Water Rights Compact Unratified: Montana Legislature Refuses to Ratify Confederated Salish and Kootenai Tribes Compact by Weiner & Stermitz \(TWR #114: August 15, 2013\)](#)

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

OFFSET APPROACH / OFFSET IMPACTS:

[Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmén \(TWR #129: Nov. 15, 2014\)](#)

[Natural Resource Investment Center Established by Department of Interior \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

OGALLALA AQUIFER:

[Water Conservation in Nebraska: Ogallala Platte Recovery Project \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Nebraska's Evolving Water Law: Challenges and Opportunities Part I by Mary E. Kelly \(TWR #81: November 15, 2010\)](#)

["Use It or Lose It" Principle Questioned by Kansas Governor: Ogallala Aquifer & Conservation Incentives \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Water Legislation in Kansas : "Use It or Lose It" - Abandonment and Multi-Year Groundwater Flex Accounts \(TWR #97, Water Briefs: March 15, 2012\)](#)

[Kansas Groundwater Program: Multi-Year Flex Account Designed to Conserve Water & Extend Life of Ogallala Aquifer \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie \(TWR #105: Nov. 15, 2012\)](#)

[Keystone XL Pipeline - EPA Raises Objections \(TWR #111, Water Briefs: May 15, 2013\)](#)

[High Plains Aquifer \(Ogallala\) Depletion Detailed - Unsustainable Agriculture Use of Groundwater \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[OIL LEAKS & SPILLS:](#)

[Dam Pollution Settlement: Oil Leakage at Columbia & Snake River Dams and the Clean Water Act \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Oil Spill Fine in Montana: ExxonMobil Petition for Reconsideration Rejected \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Oil Spill Settlement to Resolve CWA Violations Announced in Wyoming \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Oil & Gas Lawsuit: EPA Sued Regarding Regulations on Drilling & Fracking Wastes \(TWR #146, Water Briefs: April 15, 2016\)](#)

[OIL & GAS \(see also COALBED METHANE & "FRACKING"\):](#)

[Stormwater Permits for Oil & Gas Construction: Regulatory Deadline Extended \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[CWA Penalty and Settlement: Oil Spill Response \(TWR #17, Water Briefs: July 15, 2005\)](#)

[Safe Drinking Water Act and Oil Spill Prevention Violations: Facility on the Navajo Nation \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[Clean Water Act Violations: Settlement Reached on Oil Spill on Warm Springs Reservation \(TWR #28, Water Briefs, June 15, 2006\)](#)

[Oil Spill Settlement in California \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Safe Drinking Water Violations: \\$1 Million Penalty for Refinery \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Groundwater Decision in California: Oil Wastewater Pollution \(TWR #42, Water Briefs: August 15, 2007\)](#)

[Coalbed Methane: Water Right Permits Required in Colorado \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Western States Water Update: Western States Water Council Meets in Montana by David C. Moon \(TWR #44, Oct. 15, 2007\)](#)

[Ski Area Oil Spill: EPA Penalty Settlement in Washington \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Petroleum Brownfields: EPA Revitalization Plan \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Coalbed Methane Decision: "Beneficial Use" and Well Permit Required - Ranchers' Senior Water Rights Protected by David Moon \(TWR #63: May 15, 2009\)](#)

[SUPERFUND Liability: "Arranged for Disposal" and PRP\(s\) - Supreme Court Victory for Shell Oil Company \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Coalbed Ammonia: Powder River Pollution \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Integrated Water-Energy Planning: Major Nationwide Dialogue Underway by Shrier, Hightower & Johnson \(TWR #66: August 15, 2009\)](#)

[Contaminate Sediments: EPA Order for Whitefish River in Montana \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Produced Water & Regulatory Structure: Colorado Struggles with Coalbed Methane Jurisdiction & Control by Michelle Henrie \(TWR #69: Nov. 15, 2009\)](#)

[Coalbed Methane Produced Groundwater: A Survey of Western Water Law Regulation by Sarah A. Klahn & Jack Tuholske \(TWR #77: July 15, 2010\)](#)

[Hydraulic Fracturing Impacts: EPA Study Released - Public Meetings \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Western Governors Association 2010 Meeting: Water Resolutions \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Natural Gas Pipeline in the West: Conservation Fund Settlement and Lawsuit Filed \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Hydraulic Fracturing: Wyoming Approves Regulations Governing Disclosure of Chemicals \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Hydraulic Fracturing: The Road to EPA's New "Fracking" Study by Adam Orford \(TWR #80: Oct. 15, 2010\)](#)

[Water Resources & Environment - Legislative Update from Washington, D.C.: Conversations with Ryan C. Seiger, Staff Director for the US House Subcommittee on Water Resources and Environment by Joan Card \(TWR #80: Oct. 15, 2010\)](#)

[Hydraulic Fracturing: The Road to EPA's New "Fracking" Study by Adam Orford \(TWR #80: Oct. 15, 2010\)](#)

[Fracking Chemicals: EPA Impact Study \(Halliburton Issued Subpoena\) \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Hydraulic Fracturing: Interior Holds Forum \(TWR #82, Water Briefs: Dec. 15, 2010\)](#)

[Groundwater Order in Montana: EPA Enforcement on Oil Production Contaminants \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[EPA Complaint Filed: Emergency Order Enforcement in Texas \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Endangered Rivers List: Natural Gas Drilling in Wyoming \(TWR #88, Water Briefs: June 15, 2011\)](#)

[Hydraulic Fracturing Debate: The Long and Winding Road Towards Regulation by Bruce Baizel \(TWR #90: August 15, 2010\)](#)

[Natural Gas Wastewater: Coalbed Methane & Shale Discharges - EPA Standards Development \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[EPA Effluent Guidelines Program Plan Comment Period Extended \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[EPA Effluent Guidelines: Proposed Regulation of Shale Gas & Coalbed Methane Effluent by Campbell & Howe \(TWR #96: Feb. 15, 2012\)](#)

[GAO Study on "Produced Water" Released \(Oil and Gas Production\) \(TWR #97, Water Briefs: March 15, 2012\)](#)

[Fracking Requirements by Interior: Disclosure & UIC Diesel Fuel Use \(Proposed Rules & Permitting Guidance\) \(TWR #100, Water Briefs: June 15, 2012\)](#)

Surplus Water in Reclamation Projects: Corps Pricing Policy Being Developed (M&I Use Included) (TWR #100, Water Briefs: June 15, 2012)

Hydraulic Fracturing and Water Resources: Separating the Frack from the Fiction - Pacific Institute Report (TWR #101, Water Briefs: July 15, 2012)

The ESA & Water: Litigation Update - The ESA as Driver of Water Quality & Water Quantity by Quasius & Laschever (TWR #103: Sept. 15, 2012)

Keystone XL Pipeline: Nebraska DEQ's Information Website (TWR #104, Water Briefs: Oct. 15, 2012)

Oil & Gas Lease Buyout in the Hoback - Wyoming: Trust for Public Land Purchases Private Leases (TWR #105, Water Briefs: Nov. 15, 2012)

Fracking Lawsuit in California - Enforcement Issue Regarding Existing Law (TWR #105, Water Briefs: Nov. 15, 2012)

Drilling Leases Purchased by Trust for Public Lands for Conservation (TWR #107, Water Briefs: January 15, 2013)

EPA Fracking Study Update Released: Review & Comment (TWR #107, Water Briefs: January 15, 2013)

Vessel Spill: Washington's Dept. of Ecology Enforcement Agreement With Trident Seafoods Corp. (TWR #108, Water Briefs: Feb. 15, 2013)

Hydraulic Fracturing & Water: Considering the Water Resources Impacts of Hydraulic Fracturing by Adam Orford (TWR #110: April 15, 2013)

Fracking Disclosure: Trade Secrets Protected in Wyoming (TWR #110, Water Briefs: April 15, 2013)

Keystone XL Pipeline - EPA Raises Objections (TWR #111, Water Briefs: May 15, 2013)

Fracking Risks Lawsuit in California: BLM Leases & NEPA Review (TWR #111, Water Briefs: May 15, 2013)

Oil Spill Fine & EPA Enforcement of Clean Water Act: Spill Within Tribal Boundaries (TWR #111, Water Briefs: May 15, 2013)

Utah DWQ Issues Notice of Violation & Compliance Order Requesting Chevron Report on Diesel Spill (TWR #111, Water Briefs: May 15, 2013)

Fracking Rule for Public & Indian Lands Proposed by Interior (TWR #112, Water Briefs: June 15, 2013)

Fracking Comments Period Extended by EPA for Potential Fracking Impacts on Drinking Water Resources (TWR #112, Water Briefs: June 15, 2013)

Fracking Studies Announced by BLM for Public Lands in California (TWR #114, Water Briefs: August 15, 2013)

Safe Drinking Water Act Fine - Injection Well Violations in Colorado (TWR #114, Water Briefs: August 15, 2013)

Energy-Water Nexus: The Water Sector's Energy Use & the Energy Sector's Water Use (TWR #116, Water Briefs: Oct. 15, 2013)

Beyond the Fracking Wars: A Guide for Lawyers, Public Officials, Planners and Citizens - ABA Book (TWR #117, Water Briefs: Nov. 15, 2013)

Fracking Regulations Rulemaking Proposed in California (TWR #118, Water Briefs: Dec. 15, 2013)

Oil & Gas Searchable Database of State Law: Created by Getches-Wilkinson Center & Temple University (TWR #119, Water Briefs: Jan. 15, 2014)

Clean Water Act Enforcement: Oil Spill Fines & Restitution in Wyoming - Criminal Charges Pending (TWR #120, Water Briefs: Feb. 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

[Dam Pollution Settlement: Oil Leakage at Columbia & Snake River Dams and the Clean Water Act \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Aboriginal Title Decision in Canada: Implementation of Natural Resource and Energy Policy \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[GAO Oil & Gas Report: Underground Injection Control Recommendations for EPA's Oversight \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Fracking Settlement-Fill Material Discharges: Civil Penalty and Restoration in Clean Water Act Case \(TWR #131: Water Briefs, Jan. 15, 2015\)](#)

[Speculation & Fracking: Transfer/Change Request Opposed in New Mexico \(TWR #131: Water Briefs, Jan. 15, 2015\)](#)

[Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson \(TWR #132: Feb. 15, 2015\)](#)

[Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon \(TWR #132: Feb. 15, 2015\)](#)

[Fracturing Data & Trends Released by USGS for 1947-2010 \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Fracking Ban in California?: Wastewater Injections Disclosed & Governor Petitioned \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Hydraulic Fracturing: Interior's Rule Released for Public & American Indian Lands \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Recycled Water Rules in New Mexico: "Produced Water" Reuse Allowed \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Swinomish Indian Tribal Community Files Lawsuit Against BNSF Railway: Oil Trains & Easement Agreement \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Crude Oil-By-Rail & the Endangered Species Act: Coming Soon to Train Tracks Near You? by Kristen L. Boyles \(TWR #136: June 15, 2015\)](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[EPA Fracking Study "Draft Assessment" Released \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Fracking Meetings Announced for September & October \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Oil Spill Fine in Montana: ExxonMobil Petition for Reconsideration Rejected \(TWR #137, Water Briefs: July 15, 2015\)](#)

["Hydraulic Fracturing Water Use Variability in the United States and Potential Environmental Implications" - USGS \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Oil Spill Settlement to Resolve CWA Violations Announced in Wyoming \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Earthquakes Increase in Oklahoma: Oil & Gas Wastewater Injection Limited \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Earthquakes Plan in Oklahoma: Oil & Gas Wastewater Disposal Wells Impacts \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[EPA Enforcement: Seven National Enforcement Initiatives Announced for 2017-2019 \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Fracking & Drinking Water Sources: Stanford Researchers Show Fracking's Impact to Drinking Water Sources by Rob Jordan \(TWR #146: April 15, 2016\)](#)

[Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative \(TWR #146: April 15, 2016\)](#)

[Oil & Gas Lawsuit: EPA Sued Regarding Regulations on Drilling & Fracking Wastes \(TWR #146, Water Briefs: April 15, 2016\)](#)

OIL & GAS LAW - DATABASE/INFORMATION:

[Oil & Gas Searchable Database of State Law: Created by Getches-Wilkinson Center & Temple University \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Fracturing Data & Trends Released by USGS for 1947-2010 \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues \(TWR #145, Water Briefs: March 15, 2016\)](#)

OIL TRAINS:

[Swinomish Indian Tribal Community Files Lawsuit Against BNSF Railway: Oil Trains & Easement Agreement \(TWR #135, Water Briefs: May 15, 2015\)](#)

OKLAHOMA WATER RIGHTS and WATER QUALITY:

[Interstate Water Quality Battle: Oklahoma v. Poultry \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Interstate Conflict - Oklahoma Water Quality Actions \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Interstate Conflict: Oklahoma Water Sale Ban \(TWR #36, Water Briefs: February 15, 2007\)](#)

[Western States Water Update: Western States Water Council Meets in Montana by David C. Moon \(TWR #44, Oct. 15, 2007\)](#)

[Interstate Water Quality Litigation: Surface and Groundwater Contamination Alleged \(OK/AR\) \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Water Quality Grant to Inter-Tribal Environmental Council \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Tribal "Treatment As State" - Oklahoma Tribes Face Special "Treatment" by David Moon and David Light \(TWR #52: June 15, 2008\)](#)

[Groundwater Supply: ASR Pilot Projects in Oklahoma Pass Legislature \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Interstate Water Ruling: Texas Water Users' Lawsuit Against Oklahoma to Continue \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Water Treatment Supervisor Pleads Guilty to Falsifying Reports \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Interstate Water Transfers: New Oklahoma Legislation \(TWR #64, Water Briefs: June 15, 2009\)](#)

[Tribal Jurisdiction: Damage Claims Dismissed in Oklahoma AG's Poultry Lawsuit \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Cease & Desist Order for CWA Violations in Oklahoma \(Compost Facility/Animal Wastes\) \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill \(TWR #76: June 15, 2010\)](#)

[Oklahoma Water Storage: Tribal Concerns Raised - Municipalities Purchase Reclamation Project by David Moon, Editor \(TWR #79, Sept. 15, 2010\)](#)

[Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma \(Sardis Reservoir\) by Greetham \(TWR #82: Dec. 15, 2010\)](#)

[Groundwater Moratorium Since 2004 Lifted in Kansas: USGS Study of Ozark Plateau Aquifer \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Water Rights & Regulatory Authority Issues: Chickasaw & Choctaw Nations File Lawsuit Opposing Water Transfer by David Moon \(TWR #91: Sept. 15, 2011\)](#)

[Stream Adjudication Authorization in Oklahoma: Sardis Lake Tribal Lawsuit Spurs State Action \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[Stream Adjudication in Oklahoma: Federal & State Litigation Heat Up \(TWR #97, Water Briefs: March 15, 2012\)](#)

[Oklahoma Adjudication Removed to Federal Court \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Conservation Plan in Oklahoma: Freshwater Conservation Legislation \(TWR #100, Water Briefs: June 15, 2012\)](#)

[Interstate Compact Litigation Between Oklahoma & Texas: U.S. Solicitor General Files Opinion \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Interstate Lawsuit on Red River Compact to be Heard by U.S. Supreme Court - Texas & Oklahoma \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[State Control of Water: U.S. Supreme Court Rules for Oklahoma - Interstate Compact & Commerce Clause Issues by David Moon \(TWR #113: July 15, 2013\)](#)

[Interstate Water Compacts: The US Supreme Court's *Tarrant* Decision and the Risk of Silence by Steven Richardson \(TWR #116: Oct. 15, 2013\)](#)

[Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge \(TWR #123: May 15, 2014\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Earthquakes Increase in Oklahoma: Oil & Gas Wastewater Injection Limited \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Drought Proofing in Oklahoma: Water for 2060 \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Earthquakes Plan in Oklahoma: Oil & Gas Wastewater Disposal Wells Impacts \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Instream Flow Pilot Study in Oklahoma \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

ONE-HUNDRED YEAR SUPPLY:

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

"ONE WATER":

EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley (TWR #140: Oct. 15, 2015)

“ONLY LEGALLY TENABLE INTERPRETATION”:

“Underground Regulation” — Agency Rulemaking & the California Administrative Procedures Act by Damien Schiff (TWR #133: March 15, 2015)

OPEN RESERVOIRS:

Drinking Water Rules: New EPA Rules Proposed for Open Reservoirs (TWR #23, Water Briefs: Jan. 15, 2006)

OPERATIONAL FLEXIBILITY:

Drought Resiliency - Projects Selected by Reclamation (TWR #139, Water Briefs: Sept. 15, 2015)

OPERATIONAL FLOW:

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

ORCA:

State of the Sound Report Released in Washington (TWR #142, Water Briefs: Dec. 15, 2015)

OREGON WATER LAW and WATER QUALITY:

Oregon Water Resources Department: Interview with Director Paul Cleary (TWR #1: March 15, 2004)

Basin-Wide Water Management (Cooperation in the Deschutes Basin: A Municipal Perspective) by Patrick Griffiths (TWR #7: Sept. 15, 2004)

Speculation in Water Rights: Transfer Decisions by the Colorado Supreme Court and Special Status for Municipalities by Moon (TWR #20: October 15, 2005)

Water Quality Litigation: Oregon's "State-of-the-Art" Water Quality Standards Challenge by Richard M. Glick (TWR #24: February 15, 2006)

Water Quality and Temperature Trading: Regulatory Innovation in the Tualatin Basin by Bruce Cordon (TWR #24: February 15, 2006)

Mixing Zones - An Overview of Some Western States by Gregg Bryden (TWR #28, June 15, 2006)

Long-Range Water Planning: Comprehensive Process in Central Oregon's Deschutes Basin by Bruce Aylward and David Newton (TWR #29: July

15, 2006)

Tribal Fish Consumption and Water Quality Standards by J.D. Williams (TWR #32: October 15, 2006)

Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources (TWR #34: December 15, 2006)

National Forest Activities: Gold Mining Decision Has Wide Implications by David Moon (TWR #34: December 15, 2006)

Water Conservation Initiatives - Western States Take Action by Craig Bell, Western States Water Council (TWR #38: April 15, 2007)

Klamath Basin "Takings" Decision, Minimum Flows Decision & USGS Groundwater Report (TWR #39, Water Briefs: May 15, 2007)

Water Management Conservation Award to Deschutes River Conservancy (TWR #40, Water Briefs; June 15, 2007)

Water Delivery - Canals, Ditches and Pipelines: The Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton (TWR #41: July 15, 2007)

Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering (TWR #43, Sept. 15, 2007)

Instream Flow Restoration: Cooperative, Free-Market Solutions in Oregon by Fritz Paulus (TWR #43, Sept. 15, 2007)

Contaminated Sediments Update: Conference Links Law, Science & Public Policy by Heather Brunelle and Cindy Ryals (TWR #45, Nov. 15, 2007)

Water Quality Standards & Hydropower Dams: Finding Concrete Solutions by Rebecca Sherman, Brett Swift and Rick Eichstaedt (TWR #45, Nov. 15, 2007)

Klamath River Basin: National Research Council Report Released (TWR #46, Water Briefs: December 15, 2007)

Stormwater Solutions Report from Oregon (TWR #47, Water Briefs: January 15, 2008)

Klamath Settlement: Dams Removal Sought (TWR #48, Water Briefs: February 15, 2008)

Groundwater Mitigation Report in Oregon's Deschutes Basin (TWR #48, Water Briefs: February 15, 2008)

Klamath Basin Restoration Agreement: A Convergence of Opportunity by Paul Simmons (TWR #49: March 15, 2008)

Willamette River Basin Fish Restoration - "Stepping Stones": Supporting Prioritized Restoration and Investment in Multiple Ecosystem Services by Hulse & Gregory (TWR #49: March 15, 2008)

Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer (TWR #50: April 15, 2008)

"Takings" Appeal: Ownership of Water Rights Issues Certified to Oregon Supreme Court (TWR #50, Water Briefs: April 15, 2008)

EPA Reversal on 303(d) Listing: Klamath River Decision (TWR #50, Water Briefs: April 15, 2008)

Water Quality Thermal Credit Trading: Methods for Quantifying Thermal Credits by Dupuis, Smesrud, Wirz & Primozych (TWR #52: June 15, 2008)

Water Quality Standards Settlement in Oregon: Toxics & ESA Protection (TWR #52, Water Briefs: June 15, 2008)

Water Rights Ownership Decision: Trust Relationship Between Irrigation Districts and Water Users by David C. Moon (TWR #54, August 15, 2008)

[Portland's Stormwater Marketplace by Dan Vizzini \(TWR #55: September 15, 2008\)](#)

[Klamath River: Pacificorp Agreement in Principle Reached for Dams Removal \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Aquifer Recharge and Recovery: Assessing Potential in the Umatilla Basin by Said Amali \(TWR #60: Feb. 15, 2009\)](#)

[Final Sediment Evaluation Framework \(SEF\) for the Pacific Northwest: CORPS' Draft Framework Comment Period \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Inventory of Potential Below Ground Storage Sites Report Released by Oregon Water Resources Department \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Groundwater Wells Exempt Use Report Released by Oregon Water Resources Department \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Klamath "Takings" Case: Compensation Questions to be decided by Oregon Supreme Court \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Ecomarket Approaches to Addressing Water Quality Obligations: Legal Overview and the Hells Canyon Test Case by Glick & Nocar \(TWR #63: May 15, 2009\)](#)

[Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro \(TWR #63: May 15, 2009\)](#)

[Klamath Settlement: Tribes/Irrigators Water Accord in Klamath Basin Adjudication \(TWR #64, Water Briefs: June 15, 2009\)](#)

[Exempt Groundwater: New Recording Rules in Oregon \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Instream Water Right Transfer - Dam Removal & Power Right \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Stream Restoration Market: Bonneville Environmental Foundation Issues Water Restoration Certificates \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Klamath Dam Removal: Klamath Hydroelectric Settlement Agreement Announced \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith \(TWR #69: Nov. 15, 2009\)](#)

[Critical Habitat Designated by NOAA for Green Sturgeon in California & Oregon \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Oregon Governor Calls for Mining Withdrawal and Federal Lands Protection \(Suction Dredging\) \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Klamath Settlement Agreements: Charting a New Direction by Glen Spain \(TWR #70: Dec. 15, 2009\)](#)

[Klamath Settlement Agreements: Part II by Glen Spain \(TWR #71: Jan. 15, 2010\)](#)

[Lawsuit Challenging Water Right Negotiations in the Klamath Basin Filed by David Moon \(TWR #71: Jan. 15, 2010\)](#)

[Klamath Settlement: Formal Agreements Signed \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Aquifer Storage & Recovery Regulation: Survey of UIC-ASR Regulation in Different States, Chase Hahn \(TWR #74, April 15, 2010\)](#)

[Klamath "Takings" - Ownership of Water Rights & the Bureau of Reclamation by David Moon \(TWR #74, April 15, 2010\)](#)

[Klamath 2010 Operations Plan Released by Reclamation \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Northwest Water Marketing: Re-Allocating Water in the Pacific Northwest by Richard A. Slaughter \(TWR #77: July 15, 2010\)](#)

[Tribal Instream Rights: Important Settlement Reached on Klamath Basin Challenges by Douglas MacDougal \(TWR #78: Aug. 15, 2010\)](#)

[Construction Stormwater Regulation: EPA Withdraws Numeric Sedimentation Limits by Tom Lindley and Jessica Hamilton \(TWR #79, Sept. 15, 2010\)](#)

[Rain Garden Guide Released in Oregon \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Key Tribal Water Developments in the Pacific Northwest by Duane Mecham \(TWR #83: Jan. 15, 2011\)](#)

[Klamath TMDLs: California Plan Approved - Oregon TMDLs Upcoming \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Large Wastewater Fine for Municipality in Oregon: Penalty for Chlorine Discharges \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Municipal Stormwater Management: The New Normal - Stormwater Management & Watershed Restoration in Portland, Oregon by Dan Vizzini & Anne Nelson \(TWR #84: Feb. 15, 2011\)](#)

[Stream Habitat Restoration: Power Company & Environmental Group Partnership in Oregon \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Water Plan Report: Oregon's Integrated Water Resources Strategy Moving Forward \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Water "Takings" Decision: Klamath Project Water Users Prevail by David Moon \(TWR #85: March 15, 2011\)](#)

[New Water Management Model: The Umatilla Basin Water Commission - Counties, Irrigation District & Confederated Tribes Form Administrative Body by Martha Pagel \(TWR #87: May 15, 2011\)](#)

[Water Sharing Strategies for Ag/Urban/Enviro in the West: Western States Council Report with CSU's Water Institute \(TWR #87, Water Briefs: May 15, 2011\)](#)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[Fish Consumption & Tribes: Revised Water Quality Standards in Oregon \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Water Planning in Oregon: "Recommended Actions" Proposed for Comment \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Oregon's Water Conservation, Re-use and Storage Grant Program Funded \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Takings & Water Rights: Applicability of the Takings Clause to Water Rights Regulations \(Federal Circuit Developments\) by Walston \(TWR #93: Nov. 15, 2011\)](#)

[Oregon Water Law Treatise on Water Rights & Water Law Released \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[Green Remediation in Oregon: Policy for Cleanup Sites Finalized \(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[Tribal Instream Rights Held Valid in Klamath Adjudication \(Hunting, Fishing, Trapping & Gathering\) \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[Thermal Trading: Oregon Approves Regional Thermal Credit Program for Temperature Standards \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[Industrial Stormwater Permitting: Status and Trends in Western States by Gregg Bryden \(TWR #98: April 15, 2012\)](#)

[Oregon Temperature Water Quality Standards Upheld \(Sort Of\) by Richard M. Glick \(TWR #98: April 15, 2012\)](#)

[Speculation - ALJ Ruling in Oregon Overturns Agency Decision \(TWR #99, Water Briefs: May 15, 2012\)](#)

["Oregon's Water Markets:" White Paper Released \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whychus Creek by Pamela Thalacker \(TWR #101: July 15, 2012\)](#)

[Water Quality Trading-"In It Together: A How-To Reference for Building Point-Nonpoint Water Quality Trading Programs by Cochran, Maness & Lindley \(TWR #103: Sept. 15, 2012\)](#)

[Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi \(TWR #104: Oct. 15, 2012\)](#)

[Water Transfers in the West by Carlee Brown \(TWR #107: January 15, 2013\)](#)

[Klamath Restoration Agreement - Settlement Extended \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Klamath Dam Removal Overview Report \(Interior\): An Assessment of Science and Technical Information Released \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Umatilla Basin Aquifer Restoration Project: New Management Model at the Crossroads by Martha Pagel \(TWR #109: March 15, 2013\)](#)

[Indian Water Right Negotiations: Interior's Considerations When Appointing Federal Negotiation Teams by Duane Mecham \(TWR #111: May 15, 2013\)](#)

[Interior Released FEIS on Klamath River Dam Removal & New Management Plan Dispute \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Joint Regional Agreement on Best Practices for Water Quality Trading in Idaho, Oregon and Washington \(TWR #113, Water Briefs: July 15, 2013\)](#)

[Oregon's Temperature Criteria Standards Rejected by EPA \(TWR #114, Water Briefs: August 15, 2013\)](#)

["Conserved Water" Statute in Oregon: Change in Use from Irrigation to Instream Flow Approved \(Canal Lining\) \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Cumulative Watershed Impacts of Small-Scale Hydroelectric Projects in Irrigation Delivery Systems: A Case Study \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Klamath Settlement "Agreement in Principle" Reached Between Klamath Tribes and "Off-Project" Irrigators \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Northwest Climate Assessment Report Released by Oregon Climate Change Research Institute \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Oregon's Coastal Nonpoint Pollution Control Program - EPA & NOAA Disapproval Process Begins \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Hatchery v. Wild Fish: ESA/NEPA Decision in Oregon Federal District Court \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Klamath Agreement - Upper Klamath Basin Comprehensive Agreement Reached \(TWR #121, Water Briefs: March 15, 2014\)](#)

[Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, \(TWR #122: April 15, 2014\)](#)

[Speculation in Water: Application Rejected in Oregon by Water Resources Department \(TWR #122, Water Briefs: April 15, 2014\)](#)

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

Northwest Water Quality Trading: Joint Recommendations in the Pacific Northwest by Sanneman, Cochran, Culliney, Furia, Power & Wigington (TWR #125: July 15, 2014)

Stormwater Fine in Oregon: Economic Benefit Penalty (TWR #125, Water Briefs: July 15, 2014)

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

Dam Pollution Settlement: Oil Leakage at Columbia & Snake River Dams and the Clean Water Act (TWR #126, Water Briefs: Aug. 15, 2014)

Water Quality Trading: States' Pilot Projects and Recommendations (TWR #127, Water Briefs: Sept. 15, 2014)

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

Flow Augmentation Releases (Trinity Reservoir): Reclamation Releases for Salmon Protection Lower Klamath River (TWR #128, Water Briefs, Oct. 15, 2014)

Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases (TWR #128, Water Briefs, Oct. 15, 2014)

Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation by Molly Lawrence (TWR #131: Jan. 15, 2015)

In-Pipe Hydropower: Portland's In-Pipe System Secures 20-Year Power Purchase Agreement by Jennifer Allen Newton (TWR #132: Feb. 15, 2015)

Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith (TWR #133: March 15, 2015)

Water Released for Salmon by Reclamation - Injunction by Irrigation Districts Denied (TWR #139, Water Briefs: Sept. 15, 2015)

Klamath Basin Regulation: Time Immemorial Instream Rights of Tribes Protected (TWR #139, Water Briefs: Sept. 15, 2015)

Reuse & Storage Conservation Program: Oregon Soliciting Comments on Applications for Grant Program (TWR #140, Water Briefs: Oct. 15, 2015)

Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons (TWR #143: January 15, 2016)

Climate Change Report on Oregon's Willamette Valley: Reclamation Reservoirs Buffer Impacts (TWR #143, Water Briefs: Jan. 15, 2016)

Klamath Dams Removal: New Agreement Announced to Move Forward With Klamath Hydroelectric Settlement Agreement (TWR #144, Water Briefs: Feb. 15, 2016)

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

Suction Dredging Moratorium Upheld in Oregon (TWR #146, Water Briefs: April 15, 2016)

Dam Removal: New Klamath River Agreements Signed (TWR #146, Water Briefs: April 15, 2016)

WRF Published Water Efficiency Study: Residential End Uses of Water, Version 2 (2016) (TWR #146, Water Briefs: April 15, 2016)

Columbia Basin Salmon BiOp Rejected by Federal Court: Fed Plan Invalidated for Fifth Time - ESA & NEPA Violated (TWR #146, Water Briefs:

April 15, 2016)

Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher (TWR #148: June 15, 2016)

ORGANIC ACT:

National Forest Activities: Gold Mining Decision Has Wide Implications by David Moon (TWR #34: December 15, 2006)

ORIGINAL JURISDICTION (see also COMPACTS):

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

ORPHAN WELLS:

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

ORTHO-PHOSPHATE:

Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheaume (TWR #139, Sept. 15, 2015)

"OTHER WATERS":

Clean Water Act Jurisdiction - Proposed Rule Released (TWR #122, Water Briefs: April 15, 2014)

OUTDOOR AIR EXPOSURE:

Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder (TWR #139, Sept. 15, 2015)

OUT-OF-KIND MITIGATION:

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

OUT-OF-PRIORITY:

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

OVER-APPORTIONMENT:

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

OVER-APPROPRIATED or OVER-ALLOCATION (see also Allocation):

Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert (TWR #107: January 15, 2013)

Instream Flows Decision in Washington: Protection from Impairment - Reserved Use Rule (Reservation) Invalid by David Moon (TWR #116: Oct. 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service (TWR #118, Dec. 15, 2013)

Groundwater Permits Legislation in South Dakota - Fully Appropriated Aquifers/Random Selection Process (TWR #121, Water Briefs: March 15, 2014)

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

Water Rights Study in California: State Over Allocation - Overhaul Proposed (TWR #127, Water Briefs: Sept. 15, 2014)

Groups Appeal Water Rights Decision for Nuclear Reactor Project (Speculation, Availability & Stream Environment) (TWR #128, Water Briefs, Oct. 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Colorado Water Markets: “Alternative Transfer Mechanisms” by P. Andrew Jones (TWR #138, August 15, 2015)

EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA’s Office of Science & Technology - Conducted by Jakob Wiley (TWR #140: Oct. 15, 2015)

Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study (TWR #140, Water Briefs: Oct. 15, 2015)

Unbundling Water Rights: Pilot Program Anticipated in Nevada’s Diamond Valley / Excerpts from “Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States” by Mike Young (TWR #144: Feb. 15, 2016)

Finding “New Water” in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington’s Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP’s Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

CELP’s Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap (TWR #148: June 15, 2016)

OVERDRAFT:

Groundwater Workplan Concept Paper Discussion Draft Released by State Water Resources Control Board (TWR #117, Water Briefs: Nov. 15, 2013)

Groundwater Permits Legislation in South Dakota - Fully Appropriated Aquifers/Random Selection Process (TWR #121, Water Briefs: March 15, 2014)

Sustainable Groundwater Management Report Released by California Water Foundation (TWR #124, Water Briefs: June 15, 2014)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon (TWR #128, Oct. 15, 2014)

Finding “New Water” in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Tribal Groundwater Case: Water Districts’ Equitable Defenses Denied (TWR #145, Water Briefs: March 15, 2016)

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

OVER-PUMPING:

[EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley \(TWR #140: Oct. 15, 2015\)](#)

[Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

OVERRIDING CONSIDERATIONS OF PUBLIC INTEREST (OCPI):

[Instream Flows Decision in Washington: Protection from Impairment - Reserved Use Rule \(Reservation\) Invalid by David Moon \(TWR #116: Oct. 15, 2013\)](#)

[Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors \(TWR #124: June 15, 2014\)](#)

[Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon \(TWR #141: Nov. 15, 2015\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

OVERSIGHT BOARDS:

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

OWNERSHIP OF WATER RIGHTS and TRANSFER OF OWNERSHIP:

[Texas Water Law: An Update on Recent Legislation and Case Law by Deborah Clarke Trejo and Tina Alvarado Arnold \(TWR #49: March 15, 2008\)](#)

["Takings" Appeal: Ownership of Water Rights Issues Certified to Oregon Supreme Court \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Water Rights Ownership Decision: Trust Relationship Between Irrigation Districts and Water Users by David C. Moon \(TWR #54, August 15, 2008\)](#)

[Aquifer Recharge and Storage: Ongoing Implementation Concerns by Peter G. Scott \(TWR #54, August 15, 2008\)](#)

Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell (TWR #56: October 15, 2008)

Agricultural Water to Municipal Use: The Legal and Institutional Context for Voluntary Transactions in Arizona by Eden, Glennon, Ker, Libecap, Megdal and Shipman (TWR #58: December 15, 2008)

Interstate Water Ruling: Texas Water Users' Lawsuit Against Oklahoma to Continue (TWR #58, Water Briefs: December 15, 2008)

Klamath "Takings" - Ownership of Water Rights & the Bureau of Reclamation by David Moon (TWR #74, April 15, 2010)

Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill (TWR #76: June 15, 2010)

Oklahoma Water Storage: Tribal Concerns Raised - Municipalities Purchase Reclamation Project by David Moon, Editor (TWR #79, Sept. 15, 2010)

Oklahoma Storage Transfer Controversy: Tribal Nations & Local Interests Oppose the Transfer Agreement by David Moon, Editor (TWR #80: Oct. 15, 2010)

Conjunctive Use Decisions: Applying the Prior Appropriation Doctrine to Groundwater Use by David Moon (TWR #86: April 15, 2011)

Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie (TWR #89: July 15, 2011)

Groundwater Rights & Regulation in Texas: Ownership and "Takings" (TWR #97, Water Briefs: March 15, 2012)

Texas Groundwater Ruling-*EAA v. Day*: Texas Supreme Court Confirms Landowner's Ownership of Groundwater in Place by McCarthy (TWR #99: May 15, 2012)

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo (TWR #119: Jan. 15, 2014)

Climate Change & Public Trust Doctrine - Climate Change, Public Trust Doctrines & *PPL Montana* by Robin Kundis Craig (TWR #120: Feb. 15, 2014)

Instream Transfers in California: Leasing Water to Enhance Environmental Flows (TWR #120, Water Briefs: Feb. 15, 2014)

Tribal Water Lawsuit: Ownership of Water Rights in Montana - State v. Federal Jurisdiction (TWR #122, Water Briefs: April 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Aqueduct Transfer from Reclamation: Provo River Aqueduct to Provo River Water Users Ass'n (TWR #129: Water Briefs, Nov. 15, 2014)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015) The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon (TWR #134: April 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

The Pope Talks On Water: Pope Francis' Encyclical on "The Issue of Water" (TWR #137, Water Briefs: July 15, 2015)

[The Argument for the Prior Appropriation Doctrine to Allocate Water in the Western U.S. \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

[AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein \(TWR #146: April 15, 2016\)](#)

"PAPER" WATER RIGHTS (see also [Water Rights](#)):

[Las Vegas Water Rights Decision - Judge Overturns State Engineer Approvals by David Moon \(TWR #119: Jan. 15, 2014\)](#)

[Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol \(TWR #121: March 15, 2014\)](#)

PARAMETER MONITORING:

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher \(TWR #148: June 15, 2016\)](#)

"PARCEL AS A WHOLE":

[Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo \(TWR #119: Jan. 15, 2014\)](#)

PARTICLE FILTRATION:

[Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill \(TWR #134: April 15, 2015\)](#)

PASSIVE GAS SYSTEM:

[Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi \(TWR #138, August 15, 2015\)](#)

PAST CONDUCT:

Interstate Water Compacts: The US Supreme Court's *Tarrant* Decision and the Risk of Silence by Steven Richardson (TWR #116: Oct. 15, 2013)
Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

PATHOGENS:

Pathogens Rule Update by EPA: Limit for E. Coli (TWR #107, Water Briefs: January 15, 2013)

PAVEMENT:

Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill (TWR #134: April 15, 2015)

PCBs:

Stormwater Treatment: PCBs & Boeing Field Agreement (TWR #80, Water Briefs: Oct. 15, 2010)
PCB TMDL Guidance Released by EPA (TWR #95, Water Briefs: Jan. 15, 2012)
PCB Contamination: Record Civil Penalty Announced by EPA in Nevada (TWR #124, Water Briefs: June 15, 2014)
Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)
Dam Pollution Settlement: Oil Leakage at Columbia & Snake River Dams and the Clean Water Act (TWR #126, Water Briefs: Aug. 15, 2014)
Duwamish Cleanup: Superfund Final Plan in Seattle Waterway (TWR #130: Water Briefs, Dec. 15, 2014)
Sediment Cleanup in Seattle: Penalties Issued for Violations of Cleanup Agreement (TWR #139, Water Briefs: Sept. 15, 2015)
Stormwater Lawsuit: Oakland Sues Monsanto Over PCBs (TWR #142, Water Briefs: Dec. 15, 2015)

PCEs:

Upcoming EPA Drinking Water Proposals by J. Alan Roberson, P.E. (TWR #103: Sept. 15, 2012)
Groundwater Cleanup: PCE Removal in Las Cruces, New Mexico (TWR #103, Water Briefs: Sept. 15, 2012)

PEAK FLOWS:

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

Cropland Recharge in California: Groundwater Recharge for Overdraft (TWR #145, Water Briefs: March 15, 2016)

PEAK PRICING:

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

PEAK SHAVING:

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

PENALTIES (see also ENFORCEMENT):

California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon (TWR #128, Oct. 15, 2014)

Water Conservation in Drought: Steep Decline in Conservation in California (TWR #133, Water Briefs: March 15, 2015)

Civil Penalty for Unauthorized Diversion/Use in California: \$1.5 million Fine Issued for Water District (TWR #138, Water Briefs: August 15, 2015)

Water Enforcement in California: Conservation & Regulation (TWR #141, Water Briefs: Nov. 15, 2015)

Fishery Regulations in California: Information Order & Potential Fines For Noncompliance (TWR #143, Water Briefs: Jan. 15, 2016)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

Measuring & Reporting in California: Diversion Regulations Adopted (TWR #144, Water Briefs: Feb. 15, 2016)

Stormwater Agreement: Clean Water Act Violations by Salt Lake County Resolved in Utah (TWR #144, Water Briefs: Feb. 15, 2016)

Illegal Irrigation in Washington Results in Penalty: Excessive Watering & Numerous Warnings (TWR #145, Water Briefs: March 15, 2016)

Drought Enforcement in California - Dismissals Proposed Due to Failure to Prove Water Not Available (TWR #148, Water Briefs: June 15, 2016)

PER CAPITA USE:

Urban Water Conservation in Southern California: Encouraging Conservation Through Tradeable Allocations & Market Mechanisms by Bond, Motlow, Steely, Wang & Libecap (TWR #136: June 15, 2015)

PERCHLORATE:

- Perchlorate - EPA Reference Dose (TWR #13, Water Briefs: March 15, 2005)
- Perchlorate: Issues, Status, and Remedial Options (TWR #22, Water Briefs: Dec. 15, 2005)
- Perchlorate Contamination and Cleanup: EPA Protective Guidance Issued (TWR #24, Water Briefs: February 15, 2006)
- Perchlorate in Groundwater & Surface Water: Occurrence, Regulation and Remediation by Evan Cox, Carol Aziz and Robert Borch (TWR #26: April 15, 2006)
- California Drinking Water Standard: Perchlorate (TWR #31, Water Briefs: Sept. 15, 2006)
- Perchlorate Legislation Introduced (TWR #35, Water Briefs: January 15, 2007)
- Water Contaminants: Safe Drinking Water List - EPA's Preliminary Determinations (TWR #39, Water Briefs: May 15, 2007)
- Perchlorate Battle Continues With NASA in California (TWR #41, Water Briefs: July 15, 2007)
- New Perchlorate Rule in California: Maximum Contaminant Level (TWR #44, Water Briefs: Oct. 15, 2007)
- Superfund Settlement: Groundwater Contamination in California (TWR #45, Water Briefs: Nov. 15, 2007)
- Perchlorate Regulations: New Mexico's Head of Environment Dept. Urges EPA to Provide Drinking Water Protection (TWR #59, Water Briefs: Jan. 15, 2009)
- Perchlorate Regulations: Supplemental Comments for New Rules (TWR #67, Water Briefs: Sept. 15, 2009)
- Perchlorate Standard: EPA Office of Inspector General's Scientific Analysis (TWR #75, Water Briefs: May 15, 2010)
- Toxics & Drinking Water: Perchlorate Regulation Announced by EPA (TWR #84, Water Briefs: Feb. 15, 2011)
- Inland Empire Groundwater: USGS Groundwater Quality Study - Nitrates & Perchlorates (TWR #102, Water Briefs: August 15, 2012)
- Perchlorate Site Cleanup & Groundwater Investigation by EPA in California (TWR #106, Water Briefs: Dec. 15, 2012)
- Cleanup Settlement at Goodrich Superfund Site in California (EPA): TCA & Perchlorate (TWR #110, Water Briefs: April 15, 2013)
- EPA Settlement-Uranium Contamination Finalized: \$5.15 Billion From Handiwork and Kerr-McGee (TWR #132, Water Briefs: Feb. 15, 2015)

PERENNIAL YIELD (Groundwater):

- Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

PERFORMANCE STANDARDS:

[Klamath Agreement - Upper Klamath Basin Comprehensive Agreement Reached \(TWR #121, Water Briefs: March 15, 2014\)](#)

PERIOD OF USE:

[Snake River Basin Adjudication: Lessons Learned by Eric J. Wildman \(TWR #68: Oct. 15, 2009\)](#)

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill \(TWR #129: Nov. 15, 2014\)](#)

PERIPHERAL CANAL (see also BAY DELTA):

[The Peripheral Canal: San Francisco Bay - Delta Estuary Proposals by Dante Nomellini \(TWR #53: July 15, 2008\)](#)

[Peripheral Canal Reports Released: Delta Vision & PPIC \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Peripheral Canal Push in California: Governor's Panel and TNC Report \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt \(TWR #72: Feb. 15, 2010\)](#)

PERIPHYTON DATA:

[California's Freshwater Nutrient Numeric Endpoint \(NNE\) Approach: Re-evaluating the Santa Margarita River Case Study by Thomas, Gindlesperger & Barnard \(TWR #115: Sept. 15, 2013\)](#)

PERMANENT USES:

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

PERMEABILITY TESTING:

[Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheaume \(TWR #139, Sept. 15, 2015\)](#)

PERMIT PROCESS & PERMITTING - NEW USES:

[Tribal Water Compact: Proposed Settlement Released in Montana \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Conjunctive Management of Surface & Ground Water in Idaho \(Public-Private Partnerships\) by Tuthill, Rassier & Anderson \(TWR #108: Feb. 15, 2013\)](#)

[Low Impacts Permits - American Rivers' Guide to LID Permitting \(TWR #109, Water Briefs: March 15, 2013\)](#)

[Hydraulic Fracturing & Water: Considering the Water Resources Impacts of Hydraulic Fracturing by Adam Orford \(TWR #110: April 15, 2013\)](#)

[The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor \(TWR #110: April 15, 2013\)](#)

[Texas ESA Decision on Whooping Crane Protection Draws Rebuttals: TCEQ & Texas Farm Bureau Weigh In \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Klamath Adjudication Update: Administrative Phase Complete - Judicial Review Beginning by Liljefelt & Schroeder \(TWR #111: May 15, 2013\)](#)

[Mountain-Top Mining: EPA Post-Permit Veto Authority Upheld \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Water Transfers Push in California: Governor's Order to Streamline Process \(TWR #112, Water Briefs: June 15, 2013\)](#)

[The Southern Delivery System - Getting to the Finish Line: Planning, Permitting & Constructing by John A. Fredell \(TWR #113: July 15, 2013\)](#)

[New Mexico's Exempt Wells Decision & Protection for Senior Water Users by David Moon \(TWR #114: August 15, 2013\)](#)

[Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - U.S. v. Anderson by Robin G. McPherson \(TWR #117, Nov. 15, 2013\)](#)

[Groundwater Permits Legislation in South Dakota - Fully Appropriated Aquifers/Random Selection Process \(TWR #121, Water Briefs: March 15, 2014\)](#)

[South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom \(TWR #122: April 15, 2014\)](#)

[Colorado's Water Plan by Jayla Ryan Poppleton \(TWR #123: May 15, 2014\)](#)

[Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge \(TWR #123: May 15, 2014\)](#)

[Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors \(TWR #124: June 15, 2014\)](#)

[Arizona Groundwater Use Decision: Groundwater Plan for Development Project Rejected by David Moon \(TWR #125: July 15, 2014\)](#)

[Texas Permitting Rules Upheld: Whooping Cranes Lawsuit Reversed \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Public Trust Doctrine Decision in California: Groundwater Regulation to Protect Rivers \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer \(TWR #127: Sept. 15, 2014\)](#)

["Western State Water Program Capabilities Assessment Survey Report" Released by Western States Water Council \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Whooping Crane ESA Case: Fifth Circuit Refuses to Reconsider ESA "Take" Challenge by David Moon \(TWR #131: Jan. 15, 2015\)](#)

[Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson \(TWR #132: Feb. 15, 2015\)](#)

[Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith \(TWR #133: March 15, 2015\)](#)

[Mandatory Water Use Restrictions in California: Governor's Executive Order a First \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[Whooping Cranes ESA Case: Supreme Court Declines Review - TCEQ Issuance of Water Permits Stands \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon \(TWR #141: Nov. 15, 2015\)](#)

[Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon \(TWR #141: Nov. 15, 2015\)](#)

[War and Peace Over the Niobrara River by Don Blankenau \(TWR #142: Dec. 15, 2015\)](#)

[Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug \(TWR #143: January 15, 2016\)](#)

[Natural Resource Investment Center Established by Department of Interior \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch \(TWR #145: March 15, 2016\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

[Rio Grande Lawsuit: WildEarth Guardians Seek Historical Beneficial Use Accounting for Water Rights \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Clean Water Act Decision: Jurisdictional Determination Appealable Immediately \(TWR #148, Water Briefs: June 15, 2016\)](#)

[Tribal Fishing Rights Lead to Coal Terminal Rejection by the Corps of Engineers \(TWR #148, Water Briefs: June 15, 2016\)](#)

PESTICIDES:

[Pesticides Rulings and Stream Buffers by Laurie Beale \(TWR #4: June 15, 2004\)](#)

[Pesticide Buffers \(No Spray Stream Buffers\) - 9th Circuit Appeal \(TWR #5, Water Briefs: July 15, 2004\)](#)

[EPA Pesticide Policy and ESA Consultations: New Rules \(TWR #6, Water Briefs: Aug. 15, 2004\)](#)

[Pesticide/Toxics Study for Walla Walla River \(TWR #6, Water Briefs: Aug. 15, 2004\)](#)

[Pesticide Assessments Completed by EPA - \(ESA Impact\) \(TWR #11, Water Briefs: Jan. 15, 2005\)](#)

[EPA, the ESA and Pesticides by Patti Goldman \(TWR #12: Feb. 15, 2005\)](#)

[EPA Pesticides Proposed Rule and Statement Announced \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Pesticide Use: 9th Circuit Upholds Buffers Decision \(TWR #17, Water Briefs: July 15, 2005\)](#)

[Pesticides Decision from 9th Circuit \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Pesticides Information Court Order \(TWR #21, Water Briefs: Nov. 15, 2005\)](#)

[EPA ESA Program on Pesticides: Field Implementation \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[Pesticide Buffers Remain - US Supreme Court Denies Cert \(TWR #24, Water Briefs: February 15, 2006\)](#)

[CWA & ESA Intersections - Water Quality & ESA Section 7: Northwest Examples by Melanie J. Rowland \(TWR #25: March 15, 2006\)](#)

[USGS Pesticides Report - Comprehensive Study Released \(TWR #25, Water Briefs: March 15, 2006\)](#)

[Pesticide Buffers Order - Partial Removal of Buffers Due to Oregon Coast Coho Decision \(TWR #26, Water Briefs: April 15, 2006\)](#)

[Agricultural Drainage Water: \\$17.5 Million in Grants Awarded in California \(TWR #33, Water Briefs: Nov. 15, 2006\)](#)

[Aquatic Pesticides: EPA Final Rule Issued \(TWR #34, Water Briefs: December 15, 2006\)](#)

[NPDES Requirements & Pesticides: EPA's Final Rule Exempts Certain Applications by Beth S. Ginsberg \(TWR #35: January 15, 2007\)](#)

[Water Contaminants: Safe Drinking Water List - EPA's Preliminary Determinations \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Pesticides Evaluation: NMFS Settlement Agreement & Draft Jeopardy Findings \(TWR #54, Water Briefs: August 15, 2008\)](#)

[NOAA Biological Opinion on Pesticides: Salmon Jeopardy \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Aquatic Pesticides: Sixth Circuit Strikes EPA Aquatic Pesticide Rule by J. Mark Morford \(TWR #59: Jan. 15, 2009\)](#)

[Enzyme Bioremediation: Funding Awarded for Research by Texas Company \(TWR #61, Water Briefs: March 15, 2009\)](#)

[Pesticides BiOp Issued by NMFS: Impacts on Salmon \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Navajo Nation Lauded: Environmental Protection and Leadership \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Pesticide Restriction in California: EPA Settlement Proposal in SF Bay Area \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Endocrine Disruptors: EPA Screening Orders Issued for Pesticide Chemicals \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Pesticide Methodology Regarding Aquatic Life Effects: EPA Public Meetings \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Pesticide Ingredients: EPA Seeks Disclosure \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Pesticide Lawsuit for Alleged Endangered Species Act Violations \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[EPA Proposes New Permit Requirements for Pesticide Discharges \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Pesticides Regulation: EPA Concludes Comment Period on Proposed Pesticide General Permit - Final Permit Issuance Expected This December by Lindley & Hamilton \(TWR #80: Oct. 15, 2010\)](#)

Pesticides Use & NPDES Permitting: Pesticide Applications Near US Waters Brought Within NPDES Permitting Program by MacCurdy (TWR #94: Dec. 15, 2011)

Industrial Stormwater Permitting: Status and Trends in Western States by Gregg Bryden (TWR #98: April 15, 2012)

Salmon Safe Certification: Golf Course Assessment Leads to Certification for Tribal Course (TWR #99, Water Briefs: May 15, 2012)

Pesticides & Water: EPA Human Health Benchmarks Table Update (TWR #99, Water Briefs: May 15, 2012)

WALMART Pleads Guilty to CWA, FIFRA, & RCRA Violations (TWR #112, Water Briefs: June 15, 2013)

Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)

Ecological Health in the Nation's Streams, 1993-2005 Released by USGS (TWR #114, Water Briefs: August 15, 2013)

EPA Enforcement & Compliance Report Issued for 2013 (TWR #120, Water Briefs: Feb. 15, 2014)

Pesticide Use in U.S. Agriculture: 21 Selected Crops, 1960- 2008 - USDA Report (TWR #124, Water Briefs: June 15, 2014)

Pesticides & Salmon: Buffer Zones Agreement Reached with EPA (TWR #125, Water Briefs: July 15, 2014)

Pesticide Stream Buffers Finalized: Settlement Agreement with EPA (TWR #127, Water Briefs: Sept. 15, 2014)

Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations (Congressional Research Service) by Claudia Copeland (TWR #128, Oct. 15, 2014)

Pesticides in US Streams & Rivers: USGS Report Compares Data from 1992-2001 & 2002-2011 (Edited/condensed from USGS) (TWR #128, Oct. 15, 2014)

Marijuana & Water Use: Illegal Farms Impact Coho Salmon in Northern California & Southern Oregon (TWR #128, Water Briefs, Oct. 15, 2014)

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

USGS Study: "Trends in Pesticide Concentrations and Use for Major Rivers of the United States" (TWR #139, Water Briefs: Sept. 15, 2015)

Delta Stormwater Settlement: Toxic Discharges Suit Under ESA & Clean Water Act (TWR #140, Water Briefs: Oct. 15, 2015)

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

pH:

Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher (TWR #148: June 15, 2016)

PHARMACEUTICALS:

[Pharmaceuticals & Water Quality: EPA Information Collection Request \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Pharmaceutical Waste: EPA Proposal to Add to Universal Waste Rule \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Wastewater Treatment: Puget Sound Issues - Increased Stringency \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Medicines Take-Back: Denver METRO Disposal Program \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Pharmaceuticals in Drinking Water: General Accountability Office Report Released \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Emerging Contaminants Advisory Panel Forming in Arizona \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Wastewater Effluent Spill by Private Ski Area in Montana's West Gallatin River \(TWR #146, Water Briefs: April 15, 2016\)](#)

PHOSPHORUS:

[Municipal Wastewater: Phosphorus Reduction & Permits \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Mississippi River Nutrients: Gulf Dead Zone \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Phosphorus TMDL - Spokane River TMDL Upheld \(Dispute Resolution Outcome\) \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Delta Smelt Decline: New Study Blames Nutrient Pollution \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Dishwater Detergent: Low-Phosphate Detergents Phase-In in Washington \(Other States Copying\) \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Phosphorus Water Quality Standard Adopted in Wisconsin \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Phosphorus Removal: Boise Proposes Innovative Offset Project \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Clean Water Act Complaint in Idaho: Fish Farm Violations \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Nitrogen & Phosphorus Pollution \(Numeric Water Quality Criteria\): EPA Website Enhanced \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Agriculture Nutrient Standard Revised by USDA: National Conservation Practice Standard \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[USDA Conservation Reserve Program \(CRP\) General Signup \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[2008-2009 National Rivers and Stream Assessment - EPA Stream Survey \(TWR #110, Water Briefs: April 15, 2013\)](#)

[California's Freshwater Nutrient Numeric Endpoint \(NNE\) Approach: Re-evaluating the Santa Margarita River Case Study by Thomas, Gindlesperger & Barnard \(TWR #115: Sept. 15, 2013\)](#)

[Economic Benefits of Nutrient Reductions: An Analysis of Benefits to Utah Waters \(TWR #116: Oct. 15, 2013\)](#)

[Nutrient Pollution - EPA Research Grants \(TWR #121, Water Briefs: March 15, 2014\)](#)

[Northwest Water Quality Trading: Joint Recommendations in the Pacific Northwest by Sanneman, Cochran, Culliney, Furia, Power & Wigington \(TWR #125: July 15, 2014\)](#)

Water Quality Trading: States' Pilot Projects and Recommendations (TWR #127, Water Briefs: Sept. 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

Nutrient Reduction Strategies Devised by Hypoxia Task Force-Gulf States (TWR #133, Water Briefs: March 15, 2015)

Phosphorus Removal: EPA Case Study of Watershed Approach by Municipalities (TWR #134, Water Briefs: April 15, 2015)

Algal Toxins: EPA Issues Health Advisory Values (TWR #136, Water Briefs: June 15, 2015)

The Pope Talks On Water: Pope Francis' Encyclical on "The Issue of Water" (TWR #137, Water Briefs: July 15, 2015)

Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheume (TWR #139, Sept. 15, 2015)

Steam Electric Plants Toxic Pollutants Discharges: Rule Finalized by EPA (TWR #140, Water Briefs: Oct. 15, 2015)

Nutrient Recycling: EPA's Livestock Waste Competition (TWR #142, Water Briefs: Dec. 15, 2015)

Clean Watersheds Needs Survey Released by EPA (TWR #144, Water Briefs: Feb. 15, 2016)

Wastewater Effluent Spill by Private Ski Area in Montana's West Gallatin River (TWR #146, Water Briefs: April 15, 2016)

"PHYSICAL SOLUTIONS DOCTRINE":

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

PHYTOTECHNOLOGY:

Phytotechnology: Contaminated Plume Technology (TWR #23, Water Briefs: Jan. 15, 2006)

Phytotreatment of Stormwater: Phytotreatment Findings Betoken a Promising Future by MacDonald, Dods, Futornick & Ferro (TWR #53: July 15, 2008)

PIPELINES:

Nevada Pipeline & Las Vegas Groundwater System: BLM Right-of-Way Final EIS Released (TWR #103, Water Briefs: Sept. 15, 2012)

Keystone XL Pipeline: Nebraska DEQ's Information Website (TWR #104, Water Briefs: Oct. 15, 2012)

WaterSMART Update (TWR #105: Nov. 15, 2012)

Pipeline & the Endangered Species Act - 9th Circuit Decision on ESA & NEPA (Ruby Natural Gas Pipeline) (TWR #105, Water Briefs: Nov. 15,

2012)

Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson (TWR #106: Dec. 15, 2012)

Water Transfers in the West by Carlee Brown (TWR #107: January 15, 2013)

Pipeline Spill & Water Quality Violations: ADEQ Enforcement for Silver Bell Mining (TWR #108, Water Briefs: Feb. 15, 2013)

Tribal Claims to the Colorado River by Ryan Smith (TWR #109: March 15, 2013)

Utah DWQ Issues Notice of Violation & Compliance Order Requesting Chevron Report on Diesel Spill (TWR #111, Water Briefs: May 15, 2013)

At the Water-Energy Nexus: Renewable Energy from In-Conduit Hydropower by Jennifer Allen Newton (TWR #112: June 15, 2013)

Las Vegas Water Rights Decision - Judge Overturns State Engineer Approvals by David Moon (TWR #119: Jan. 15, 2014)

Regional Water Management Cooperation: Study Compares Four Cases in the West by Nathaniel Delano and Sharon B. Megdal (TWR #121: March 15, 2014)

Water Rates Ruling in California: Colorado River Aqueduct Overcharges (TWR #121, Water Briefs: March 15, 2014)

Oil Spill Fine in Montana: ExxonMobil Petition for Reconsideration Rejected (TWR #137, Water Briefs: July 15, 2015)

Oil Spill Settlement to Resolve CWA Violations Announced in Wyoming (TWR #138, Water Briefs: August 15, 2015)

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

PIPING SYSTEMS:

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

PLACE OF USE:

Speculative Use or Regional Provider: Company Applies for Massive Water Right in Oregon by David Moon (TWR #94: Dec. 15, 2011)

Speculation - ALJ Ruling in Oregon Overturns Agency Decision (TWR #99, Water Briefs: May 15, 2012)

Speculation in Water: Application Rejected in Oregon by Water Resources Department (TWR #122, Water Briefs: April 15, 2014)

Speculation & Fracking: Transfer/Change Request Opposed in New Mexico (TWR #131: Water Briefs, Jan. 15, 2015)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

PLANNING:

Lower Rio Grande Regional Water Plan (TWR #9, Water Briefs: Nov. 15, 2004)

Law of the Rio Grande (Report from the 6th Annual Conference) by David Moon, Editor (TWR #13: March 15, 2005)

Streamlining Federal Permits (Portland/Federal Agencies Coordination) by Mike Reed (TWR #13: March 15, 2005)

Water Use and Transfers - Systematic Planning Avoids Risks and Creates Opportunity by Douglas W. MacDougal (TWR #16: June 15, 2005)

Watershed Planning: EPA Handbook Released (TWR #23, Water Briefs: Jan. 15, 2006)

Final California Water Plan Update 2005 (TWR #24, Water Briefs: February 15, 2006)

Long-Range Water Planning: Comprehensive Process in Central Oregon's Deschutes Basin by Bruce Aylward and David Newton (TWR #29: July 15, 2006)

Municipal Water Rights in New Mexico: Various Approaches and Development Impacts by James Brockmann (TWR #31; September 15, 2006)

Interstate Conflict: Oklahoma Water Sale Ban (TWR #36, Water Briefs: February 15, 2007)

Watershed Management EPA Grant for New Mexico (TWR #36, Water Briefs: February 15, 2007)

ESA & CWA: Endangered Species Act Influences on EPA's Clean Water Act Programs (The Washington State Example) by Palmer (TWR #37: March 15, 2007)

Texas Groundwater - Rule of Capture and Groundwater Management in Texas: Part I by Bruce K. Darling (TWR #38: April 15, 2007)

Watershed Planning: EPA Web-Based Tool (TWR #39, Water Briefs: May 15, 2007)

"Post-Appropriation" Water Management: Colorado's Water for the 21st Century Act by George Sibley (TWR #42, August 15, 2007)

Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering (TWR #43, Sept. 15, 2007)

Municipal Water Law: Washington's Landmark Law Faces Challenges by Jeff B. Kray (TWR #44, Oct. 15, 2007)

New Western Water Agenda: Opportunities for Action in an Era of Growth and Climate Change by MacDonnell & Fort (TWR #48: Feb. 15, 2008)

Water Resources Supply: Groundwater Decision Support System Development by David Jordan, Cynthia Ardito and Van Kelley (TWR #48: February 15, 2008)

California Water Plan Update 2009 Comments Sought (TWR #48, Water Briefs: February 15, 2008)

California Water Plan Workshops Scheduled (TWR #49, Water Briefs: March 15, 2008)

Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer (TWR #50: April 15, 2008)

Water Reuse Planning - Graphical Tools to Clarify Decisions: A Water Reuse Case Study by John Scott Thomas (TWR #51: May 15, 2008)

Idaho Water Law: Update from Coeur d'Alene Conference by David Moon (TWR #52: June 15, 2008)

Washington State's Municipal Water Law: Landmark Law Partially Invalidated in Trial Court Decision by Jeff B. Kray (TWR #53: July 15, 2008)

[Groundwater Availability Modeling: The Texas Experience by Van Kelley, Robert Mace, and Neil Deeds \(TWR #54, August 15, 2008\)](#)

[Drought Actions in California: Water Transfers and Exchanges \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Water Needs and Strategies for a Sustainable Future: Next Steps: Western Governor's Report Released \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Water Management Alternatives: Incorporating "New" Water Management Methods at a Watershed Scale by Cat Shrier \(TWR #56: October 15, 2008\)](#)

[Climate Change and Water: IPCC Technical Paper VI by David Moon \(TWR #56: October 15, 2008\)](#)

[Municipal & Instream Water Right Withdrawal Exchange in Washington \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Water Legislation Options Identified in California: California Legislative Analyst's Office \(LAO\) Report \(TWR #57, Water Briefs: November 15, 2008\)](#)

[EPA's National Water Program Strategy: Response to Climate Change Released \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Climate Change: California Department of Water Resources White Paper \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Interstate Water Ruling: Texas Water Users' Lawsuit Against Oklahoma to Continue \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Water Efficiency Library: Comprehensive Resource Launched \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Habitat Protection & Water Rights: Balancing Stream Habitat with New Water Rights Issuance - Washington State's Watershed Management Program by Andrew Graham \(TWR #60: Feb. 15, 2009\)](#)

[Climate Change and Water Resources Management: A Federal Perspective Report Released by Federal Agencies \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Municipal Stormwater in Washington: Low Impact Development Permit Requirements \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Water Planning & Uncertainty: Colorado Perspectives - An Update From the Colorado Water Congress' Annual Meeting by Shrier \(TWR #61: March 15, 2009\)](#)

[Water Marketing in Texas: Selling or Leasing of Groundwater and Surface Water Rights by Edmond R. McCarthy, Jr. \(TWR #62: April 15, 2009\)](#)

[Oregon Water Demand Forecasting: A Transparent & Flexible Tool for State Water Needs Assessment by Igloria and Graham \(TWR #62: April 15, 2009\)](#)

[Groundwater Report: *Down to the Last Drop* - Texas Report from the Environmental Defense Fund](#)

["Unquenchable: America's Water Crisis and What to Do About It" - Interview with Author Robert Glennon by David Moon, Editor \(TWR #64: June 15, 2009\)](#)

[Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith \(TWR #69: Nov. 15, 2009\)](#)

["Reasonably Necessary" Water Supply Case in Colorado: Planning Period, Burden of Proof & "Speculative" Flows \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[California Water Myths Dispelled: Study Released \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt \(TWR #72: Feb. 15, 2010\)](#)

[Municipal Water Rights & the Growing Communities Doctrine: Development, Codification & Application by Christopher H. Meyer \(TWR #73: March 15, 2010\)](#)

[WaterSMART Initiative: Dept. of Interior Strategy \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Conservation Report on Agricultural Innovations in California \(California Farm Water Success Stories: Report & Video\) \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Groundwater System in California: Legislative Analyst's Office Report Released \(TWR #74, Water Briefs: April 15, 2010\)](#)

[Water Conservation in California: State Water Resources Plan Released \(TWR #74, Water Briefs: April 15, 2010\)](#)

[Municipal Water Desalination - Alamogordo: New Mexico's First Large-Scale Municipal Desalination Project by James C. Brockmann \(TWR #75: May 15, 2010\)](#)

[Water Planning in New Mexico: \\$100,000 EPA Grant to EPA to New Mexico Environment Department \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill \(TWR #76: June 15, 2010\)](#)

[Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma \(Sardis Reservoir\) by Greetham \(TWR #82: Dec. 15, 2010\)](#)

[National Low Impact Development Atlas: Interactive Site Up on Web \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Interior Order Establishing Policy on Scientific Integrity \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Delta Flow Criteria: Draft Advisory Report Released \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma \(Sardis Reservoir\) by Greetham \(TWR #82: Dec. 15, 2010\)](#)

[Climate Change Needs: Research for Long-Term Planning - Report Issued by Corps & Reclamation \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Drought Planning Report Released by Western Governors' Association & Western States Water Council \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Water Plan Report: Oregon's Integrated Water Resources Strategy Moving Forward \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Clean Water Strategy Released by EPA \(TWR #86, Water Briefs: April 15, 2011\)](#)

[Watershed Funding: Wick Grants Available \(TWR #86, Water Briefs: April 15, 2011\)](#)

[Water Policy RFP: Army Corps Program \(TWR #86, Water Briefs: April 15, 2011\)](#)

[New Water Management Model: The Umatilla Basin Water Commission - Counties, Irrigation District & Confederated Tribes Form Administrative Body by Martha Pagel \(TWR #87: May 15, 2011\)](#)

[Sustainable Water Use: Invisioning a Sustainable Water Future for the American West by Barton "Buzz" Thompson \(TWR #87: May 15, 2011\)](#)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

Multi-Sector Water Sharing (Agricultural-Urban-Environmental): Innovative Strategies for the Colorado River Basin & the West by Smith (TWR #88: June 15, 2011)

Colorado River Basin Supply & Demand Study by Carly Jerla, Terry Fulp, and Pam Adams (TWR #90: August 15, 2010)

Exempt Wells Decision & Land Use Ruling in Washington: Developers Misuse of Exemption (TWR #90, Water Briefs: August 15, 2011)

Water Planning in Oregon: "Recommended Actions" Proposed for Comment (TWR #90, Water Briefs: August 15, 2011)

Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses by Drew Beckwith (TWR #93: Nov. 15, 2011)

Speculative Use or Regional Provider: Company Applies for Massive Water Right in Oregon by David Moon (TWR #94: Dec. 15, 2011)

Urban Water Quality: New EPA Planning Process - Prioritized Approach (TWR #94, Water Briefs: Dec. 15, 2011)

Tribal Water Rights Settlement Funding Announced-Soboba of Luiseño Indians Settlement Act (\$21 Million in California)(TWR #94, Water Briefs: Dec. 15, 2011)

Colorado River Basin Irrigation: The Future of Irrigation Organizations in the Colorado River Basin by Dr. Ron Griffin and Mary Kelly (TWR #95: Jan. 15, 2012)

Construing Speculative Use: TCEQ Remands Million Acre-Foot Water Application for Brazos River Basin by David Moon, Editor (TWR #96: Feb. 15, 2012)

2012 Texas State Water Plan Adopted by the Texas Water Development Board (TWR #96, Water Briefs: Feb. 15, 2012)

Planning for Sustainability: EPA Handbook for Water and Wastewater Utilities (TWR #96, Water Briefs: Feb. 15, 2012)

Municipal Water Resources & Regional Planning: The Prairie Waters Project - Aurora, Colorado by Lisa Darling (TWR #98: April 15, 2012)

Western States' Water Planning: The Best Laid Plans - Water Planning in Uncertain Times by Janet Neuman (TWR #99: May 15, 2012)

Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs (TWR #100: June 15, 2012)

Stormwater Permits & LID: Washington State's Low Impact Development Requirements by Linsey Payne (TWR #100: June 15, 2012)

Colorado Basin Study - Basin Water Supply & Demand Study Update by Carly Jerla, James Prairie, & Pam Adams (TWR #100: June 15, 2012)

Local Land Use Decisions & Water Supply Considerations: New Rules from the Washington Supreme Court by Dave Monthie (TWR #102: August 15, 2012)

Groundwater Reserves Proposal: Study Released on Water Supply & Climate Change for California (TWR #103, Water Briefs: Sept. 15, 2012)

Ben Grumbles & The U.S. Alliance: Interview by Tom Lindley (TWR #104: Oct. 15, 2012)

Comments on *Land Use & Water Supply*, TWR #102: Sarah Mack & Dave Monthie (TWR #104, Water Briefs: Oct. 15, 2012)

Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie (TWR #105: Nov. 15, 2012)

Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity (TWR #106: Dec. 15, 2012)

[Colorado River Management: Planning, Agreeing & Acting by Ted Kowalski \(TWR #107: January 15, 2013\)](#)

[The Colorado River Basin Water Supply and Demand Study Released by Reclamation \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Conjunctive Management of Surface & Ground Water in Idaho \(Public-Private Partnerships\) by Tuthill, Rassier & Anderson \(TWR #108: Feb. 15, 2013\)](#)

[Yakima Water Plan: The Other Side of the Story by Evans, Forsgaard, Maykut & Packard \(TWR #108: Feb. 15, 2013\)](#)

[The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor \(TWR #110: April 15, 2013\)](#)

[The Southern Delivery System - Getting to the Finish Line: Planning, Permitting & Constructing by John A. Fredell \(TWR #113: July 15, 2013\)](#)

[Arkansas Valley Conduit in Colorado: Regional Water Pipeline Project - Condensed/Edited from US Bureau of Reclamation Documents \(TWR #115: Sept. 15, 2013\)](#)

[California Water Plan Update 2013 Draft Volume Released: The Strategic Plan - Volume 1 \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Tribal Water Study: Reclamation & the Colorado River Basin Tribes Partnership \(Ten Tribes Partnership\) \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson \(TWR #117, Nov. 15, 2013\)](#)

[Groundwater Workplan Concept Paper Discussion Draft Released by State Water Resources Control Board \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Draft Climate Change Adaptation Implementation Plans Released by EPA for Comment \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

["Importance of Water" Report Released by EPA \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Water & Land Use Assessment Tool: California's Locally Adaptable Tool \(Water & Stormwater Impacts\) by Patterson, Hinds & Lassiter \(TWR #119: Jan. 15, 2014\)](#)

[Rio Grande Water: Upper & Lower Basin Studies Released by Reclamation \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Regional Water Management Cooperation: Study Compares Four Cases in the West by Nathaniel Delano and Sharon B. Megdal \(TWR #121: March 15, 2014\)](#)

[Arizona's "Strategic Vision for Water Supply Sustainability" \(TWR #121, Water Briefs: March 15, 2014\)](#)

[South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom \(TWR #122: April 15, 2014\)](#)

[Colorado's Water Plan by Jayla Ryan Poppleton \(TWR #123: May 15, 2014\)](#)

[Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge \(TWR #123: May 15, 2014\)](#)

[EPA Strategic Plan for 2014-2018 Issued: Climate Change Emphasis \(TWR #123, Water Briefs: May 15, 2014\)](#)

[Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors \(TWR #124: June 15, 2014\)](#)

[New Groundwater Use: Kittitas County Settlement Agreement Signed by Ecology \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Wyoming Water Plan - Comment Period \(TWR #125, Water Briefs: July 15, 2014\)](#)

["Western State Water Program Capabilities Assessment Survey Report" Released by Western States Water Council \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

[Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson \(TWR #132: Feb. 15, 2015\)](#)

[Colorado Water Plan Draft Released \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Wyoming's Water Strategy: State Water Planning \(TWR #133, Water Briefs: March 15, 2015\)](#)

[The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt \(TWR #134: April 15, 2015\)](#)

[Phosphorus Removal: EPA Case Study of Watershed Approach by Municipalities \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem \(TWR #135: May 15, 2015\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Urban Water Conservation in Southern California: Encouraging Conservation Through Tradeable Allocations & Market Mechanisms by Bond, Motlow, Steely, Wang & Libecap \(TWR #136: June 15, 2015\)](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[Drought Resiliency - Projects Selected by Reclamation \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding \(TWR #140: Oct. 15, 2015\)](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

[Water Plan Released in Colorado: Water Supply Strategies \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Instream Flow Pilot Study in Oklahoma \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Nevada Drought Forum Recommendations Report Released \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

[Designing Effective Groundwater Sustainability Agencies: Criteria for Evaluation of Local Governance Options \(CA\) \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Green Infrastructure Guidance Announced by WRF: Capital Improvement Project Delivery Methods & Incentives \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Texas Water Plan/Management Strategies: 2017 Plan Released \(TWR #148, Water Briefs: June 15, 2016\)](#)

[PLASTIC “MICROBEADS”:](#)

[Plastic “Microbeads” Study Proposes Outright Ban for Wastewater Problem \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Microbeads Banned in US By Federal Legislation \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[PLATTE RIVER:](#)

[Aquifer Recharge & Flood Mitigation Collaboration in Nebraska \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[“PLAY FAIRWAY” APPROACH:](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[PLUGGING:](#)

[Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield \(TWR #148: June 15, 2016\)](#)

[POINT OF DIVERSION:](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[POINTS OF FAILURE:](#)

[Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner \(TWR #132: Feb. 15, 2015\)](#)

POINT SOURCE (see also NPDES):

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

Northwest Water Quality Trading: Joint Recommendations in the Pacific Northwest by Sanneman, Cochran, Culliney, Furia, Power & Wigington (TWR #125: July 15, 2014)

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

Water Quality Trading: States' Pilot Projects and Recommendations (TWR #127, Water Briefs: Sept. 15, 2014)

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations (Congressional Research Service) by Claudia Copeland (TWR #128, Oct. 15, 2014)

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

POLITICAL FEASIBILITY:

California Water Policy Challenge by Imagine H2O - Water Innovation Contest (TWR #139, Water Briefs: Sept. 15, 2015)

POLICY DEVELOPMENT:

Interior Order Establishing Policy on Scientific Integrity (TWR #80, Water Briefs: Oct. 15, 2010)

"Right to Water" Legislation Signed in California by Governor Brown (TWR #104, Water Briefs: Oct. 15, 2012)

Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie (TWR #105: Nov. 15, 2012)

Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity (TWR #106: Dec. 15, 2012)

Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert (TWR #107: January 15, 2013)

High Plains Aquifer (Ogallala) Depletion Detailed - Unsustainable Agriculture Use of Groundwater (TWR #115, Water Briefs: Sept. 15, 2013)

Draft Climate Change Adaptation Implementation Plans Released by EPA for Comment (TWR #117, Water Briefs: Nov. 15, 2013)

The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt (TWR #134: April 15, 2015)

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

“POLLUTANT”:

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

-

POLLUTION ALLOCATION:

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

POLLUTION TRADING (see also WATER QUALITY TRADING):

Lawsuit Challenges All Water Quality Trading - Comments by Tom Lindley (TWR #105: Nov. 15, 2012)

Water Quality Trading: USDA - EPA Partnership Expanded (TWR #118, Water Briefs: Dec. 15, 2013)

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

POLLUTION INFORMATION:

Drinking Water Mapping Application to Protect Source Waters (DWMAPS): Mapping Tool Released by EPA (TWR #145, Water Briefs: March 15, 2016)

Water Quality Monitoring Report Released by Izaak Walton League of America: Haphazard & Limited (TWR #146, Water Briefs: April 15, 2016)

“POOLING”:

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

POPE ENCYCLICAL:

The Pope Talks On Water: Pope Francis’ Encyclical on “The Issue of Water” (TWR #137, Water Briefs: July 15, 2015)

POPULATION GROWTH and IMPACT:

"Unquenchable: America's Water Crisis and What to Do About It" - Interview with Author Robert Glennon by David Moon, Editor (TWR #64: June 15, 2009)

Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith (TWR #69: Nov. 15, 2009)

Colorado River Basin Supply & Demand Study by Carly Jerla, Terry Fulp, and Pam Adams (TWR #90: August 15, 2010)

Colorado Basin Study - Basin Water Supply & Demand Study Update by Carly Jerla, James Prairie, & Pam Adams (TWR #100: June 15, 2012)

Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie (TWR #105: Nov. 15, 2012)

Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson (TWR #106: Dec. 15, 2012)

The Colorado River Basin Water Supply and Demand Study Released by Reclamation (TWR #107, Water Briefs: January 15, 2013)

Groundwater Workplan Concept Paper Discussion Draft Released by State Water Resources Control Board (TWR #117, Water Briefs: Nov. 15, 2013)

Colorado's Water Plan by Jayla Ryan Poppleton (TWR #123: May 15, 2014)

Columbia River Treaty Options: Protocols for Transboundary Adaptive Management Examined by Bankes & Cosens (TWR #129: Nov. 15, 2014)

Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith (TWR #133: March 15, 2015)

Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon (TWR #141: Nov. 15, 2015)

Drought Proofing in Oklahoma: Water for 2060 (TWR #142, Water Briefs: Dec. 15, 2015)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

Texas Water Plan/Management Strategies: 2017 Plan Released (TWR #148, Water Briefs: June 15, 2016)

PORTS (See also Sediment):

Stormwater Discharge: EPA "Ports Initiative" - San Joaquin River Agreement (TWR #71, Water Briefs: Jan. 15, 2010)

Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill (TWR #134: April 15, 2015)

PORTER-COLOGNE WATER QUALITY CONTROL ACT:

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

POST-FIRE RESPONSE PLAN:

FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding (TWR #140: Oct. 15, 2015)

POTABLE WATER:

Finding “New Water” in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

POWER AGREEMENTS:

Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What’s What & What’s Next by Paul S. Simmons (TWR #143: January 15, 2016)

POWER GENERATION:

Floating Solar Program in Japan: Benefits of Floating Plants (TWR #144, Water Briefs: Feb. 15, 2016)

POWER PLANTS and POWER USE (see also HYDROPOWER):

Power Plant Discharge: EPA Revising Wastewater Rules (TWR #68, Water Briefs: Oct. 15, 2009)

Ambient Water Quality Criteria for Ammonia - Freshwater: EPA Draft Update (TWR #71, Water Briefs: Jan. 15, 2010)

Nuclear Power Water Right Change Applications Approved in Utah (TWR #96, Water Briefs: Feb. 15, 2012)

Closed Loop Geothermal Power Plants: New Mexico Clarifies Permit Process by Michelle Henrie (TWR #97: March 15, 2012)

EPA Proposing to Amend Effluent Limitations Guidelines & Standards for Steam Electric Power Generating (TWR #111, Water Briefs: May 15, 2013)

Utah Nuclear Plant Water Right Transfers Upheld by Court (TWR #118, Water Briefs: Dec. 15, 2013)

Preferences During Shortage Rejected in Texas - "Senior" Water Rights Protected (TWR #135, Water Briefs: May 15, 2015)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Water & Power: Reclamation Science & Technology Development Projects (TWR #141, Water Briefs: Nov. 15, 2015)

Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What’s What & What’s Next by Paul S. Simmons (TWR #143: January 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

[Floating Solar Program in Japan: Benefits of Floating Plants \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Tribal Water Lease in Idaho: Storage Rights to Mitigate for Groundwater Use \(TWR #148, Water Briefs: June 15, 2016\)](#)

PRACTICABLY IRRIGABLE ACREAGE (PIA)- see also TRIBAL WATER RIGHTS:

[Tribal Claims to the Colorado River by Ryan Smith \(TWR #109: March 15, 2013\)](#)

[Acquavella Update: Washington's 36-Year Old Water Rights Adjudication Nears An End by Jeff Kray \(TWR #115: Sept. 15, 2013\)](#)

[Tribal Water Agreements Highlighted: Shoshone-Paiute Settlement Signed \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

PRE-APPLICATION CONFERENCE:

[Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield \(TWR #148: June 15, 2016\)](#)

PRECIPITATION:

[National Climate Assessment Released \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Intergovernmental Panel on Climate Change \(IPCC\) 5th Synthesis Report \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool \(TWR #146, Water Briefs: April 15, 2016\)](#)

PREDEVELOPMENT CONDITIONS:

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

PRE-EMPTION or PREEMPTION:

[State Control of Water: U.S. Supreme Court Rules for Oklahoma - Interstate Compact & Commerce Clause Issues by David Moon \(TWR #113: July 15, 2013\)](#)

[Federal Power Act Preempts Damage Claims Under State Tort Law - Fifth Circuit Ruling \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond \(TWR #130: Dec. 15, 2014\)](#)

[Suction Dredging Moratorium Upheld in Oregon \(TWR #146, Water Briefs: April 15, 2016\)](#)

PREFERENCES:

Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde (TWR #83: Jan. 15, 2011)

State Survey of Domestic Preference Law by Steven E. Clyde (TWR #83: Jan. 15, 2011)

Water Storage Rule in Washington: Processing Expedited (TWR #84, Water Briefs: Feb. 15, 2011)

South Dakota Shutoff: Domestic & Stockwater Preference During Drought (TWR #102, Water Briefs: August 15, 2012)

Priority Regulation in Texas - Brazos River Call (TWR #106, Water Briefs: Dec. 15, 2012)

Hydraulic Fracturing & Water: Considering the Water Resources Impacts of Hydraulic Fracturing by Adam Orford (TWR #110: April 15, 2013)

U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service (TWR #118, Dec. 15, 2013)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Evan Mortimer & David R. Tuthill (TWR #129: Nov. 15, 2014)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

Preferences During Shortage Rejected in Texas - "Senior" Water Rights Protected (TWR #135, Water Briefs: May 15, 2015)

Klamath Basin Regulation: Time Immemorial Instream Rights of Tribes Protected (TWR #139, Water Briefs: Sept. 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon (TWR #141: Nov. 15, 2015)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

PREFERENTIAL FLOW PATHWAYS (Groundwater):

Public Supply Wells: Factors that Affect Vulnerability to Contamination - USGS Circular (TWR #115, Water Briefs: Sept. 15, 2013)

PREFERENTIAL RIGHTS:

Rate Case Award for Illegal Water Rates: \$188 Million in Damages (TWR #138, Water Briefs: August 15, 2015)

PREPAREDNESS:

Incident Action Checklists: Emergency Checklists for Utilities Prepared by EPA (TWR #133, Water Briefs: March 15, 2015)

PRESERVATION:

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

"PR&G" (PRINCIPLES, REQUIREMENTS & GUIDELINES):

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

PRICE ELASTICITY:

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

PRICE SIGNALS:

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

PRICING OF WATER (see also Water Markets):

Sustainable Water Use: Invisioning a Sustainable Water Future for the American West by Barton "Buzz" Thompson (TWR #87: May 15, 2011)

Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates (TWR #88: June 15, 2011)

Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses by Drew Beckwith (TWR #93: Nov. 15, 2011)

The Southern Delivery System - Getting to the Finish Line: Planning, Permitting & Constructing by John A. Fredell (TWR #113: July 15, 2013)

Water Pricing: Water Rates & the "New Normal" by Kristina Donnelly and Juliet Christian-Smith (TWR #114: August 15, 2013)

Water Right Price Index Released by WestWater Research (TWR #114, Water Briefs: August 15, 2013)

Reclamation Manual Policies and Directives and Standards Finalized by Bureau (TWR #114, Water Briefs: August 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

[Reclamation Contracts Challenge & the ESA: Supreme Court Denies Petition by Irrigation Districts \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[Water Rights Price Index 2014 Released by WestWater Research \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

PRIMACY:

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill \(TWR #129: Nov. 15, 2014\)](#)

PRIMA FACIE EVIDENCE:

[Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz \(TWR #134: April 15, 2015\)](#)

PRIMARY PURPOSE:

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

PRIOR APPROPRIATION DOCTRINE (see also [Water Rights and Conjunctive Use](#)):

[Flow Restoration in the Northwest: Columbia Basin Water Transactions by Andrew Purkey and Christopher Furey \(TWR #2: April 15, 2004\)](#)

[Groundwater Holding: Nebraska Conjunctive Use \(TWR #13, Water Briefs: March 15, 2005\)](#)

[Speculation in Water Rights: Transfer Decisions by the Colorado Supreme Court and Special Status for Municipalities by Moon \(TWR #20: October 15, 2005\)](#)

[Interstate Water Allocation by Christopher H. Meyer, Givens Pursley LLP \(Boise, Idaho\) \(TWR #42: August 15, 2007\)](#)

[Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering \(TWR #43, Sept. 15, 2007\)](#)

[Municipal Water Law: Washington's Landmark Law Faces Challenges by Jeff B. Kray \(TWR #44, Oct. 15, 2007\)](#)

[New Western Water Agenda: Opportunities for Action in an Era of Growth and Climate Change by MacDonnell & Fort \(TWR #48: February 15, 2008\)](#)

[Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer \(TWR #50: April 15, 2008\)](#)

Domestic Wells in New Mexico: Senior Water Rights Protected in Court Decision (TWR #54, Water Briefs: August 15, 2008)

Water Management Alternatives: Incorporating "New" Water Management Methods at a Watershed Scale by Cat Shrier (TWR #56: October 15, 2008)

Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell (TWR #56: October 15, 2008)

Agricultural Water to Municipal Use: The Legal and Institutional Context for Voluntary Transactions in Arizona by Eden, Glennon, Ker, Libecap, Megdal & Shipman (TWR #58: December 15, 2008)

Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge (TWR #64: June 15, 2009)

"Unquenchable: America's Water Crisis and What to Do About It" - Interview with Author Robert Glennon by David Moon, Editor (TWR #64: June 15, 2009)

Yellowstone River Compact: *Montana v. Wyoming*-Special Master Rules on Water Rights Issues & Denies Motion to Dismiss by Moon (TWR #65: July 15, 2009)

Rainwater Collection in Colorado: New Laws Allow Pilot Project (TWR #65, Water Briefs: July 15, 2009)

Exempt Wells Petition Filed: Ranchers' Water Rights Threatened (TWR #70, Water Briefs: Dec. 15, 2009)

Coalbed Methane Produced Groundwater: A Survey of Western Water Law Regulation by Sarah A. Klahn & Jack Tuholske (TWR #77: July 15, 2010)

Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde (TWR #83: Jan. 15, 2011)

Wyoming Streamflow Restoration: History, Update & Current Strategies by Scott Yates (TWR #86: April 15, 2011)

Conjunctive Use Decisions: Applying the Prior Appropriation Doctrine to Groundwater Use by David Moon (TWR #86: April 15, 2011)

Irrigation Efficiency: Conserved Water & Return Flow - Supreme Court Decision in *Montana v. Wyoming* (TWR #87, Water Briefs: May 15, 2011)

Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie (TWR #89: July 15, 2011)

"Use It or Lose It" Principle Questioned by Kansas Governor: Ogallala Aquifer & Conservation Incentives (TWR #90, Water Briefs: August 15, 2011)

Takings & Water Rights: Applicability of the Takings Clause to Water Rights Regulations (Federal Circuit Developments) by Walston (TWR #93: Nov. 15, 2011)

Speculative Use or Regional Provider: Company Applies for Massive Water Right in Oregon by David Moon (TWR #94: Dec. 15, 2011)

Regulation & "Takings" - Senior Water Rights Upheld in Eighth Circuit Decision (TWR #94, Water Briefs: Dec. 15, 2011)

Rotational Agreement Held Not a Change in Water Rights by Colorado Supreme Court (TWR #95, Water Briefs: Jan. 15, 2012)

Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs (TWR #100: June 15, 2012)

[Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whychus Creek by Pamela Thalacker \(TWR #101: July 15, 2012\)](#)

[South Dakota Shutoff: Domestic & Stockwater Preference During Drought \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie \(TWR #105: Nov. 15, 2012\)](#)

[New Mexico Priority Administration: New Mexico Supreme Court Decision on State Engineer's Authority by David Moon \(TWR #105: Nov. 15, 2012\)](#)

[Priority Regulation in Texas - Brazos River Call \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Water Transfers in the West by Carlee Brown \(TWR #107: January 15, 2013\)](#)

[Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert \(TWR #107: January 15, 2013\)](#)

[Conjunctive Management of Surface & Ground Water in Idaho \(Public-Private Partnerships\) by Tuthill, Rassier & Anderson \(TWR #108: Feb. 15, 2013\)](#)

[Tribal Claims to the Colorado River by Ryan Smith \(TWR #109: March 15, 2013\)](#)

[North Platte Regulation to Protect Storage Rights in Wyoming: Priority Administration in Effect \(TWR #109, Water Briefs: March 15, 2013\)](#)

[Hydraulic Fracturing & Water: Considering the Water Resources Impacts of Hydraulic Fracturing by Adam Orford \(TWR #110: April 15, 2013\)](#)

[The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor \(TWR #110: April 15, 2013\)](#)

[Klamath Adjudication Update: Administrative Phase Complete - Judicial Review Beginning by Liljefelt & Schroeder \(TWR #111: May 15, 2013\)](#)

[Klamath Adjudication - The Judicial Phase Begins: New Era in Oregon's Contentious Water History by MacDougal, Orford & Timmons \(TWR #113: July 15, 2013\)](#)

[New Mexico's Exempt Wells Decision & Protection for Senior Water Users by David Moon \(TWR #114: August 15, 2013\)](#)

[Basin of Origin Claims of Tehama-Colusa Canal Authority Rejected by 9th Circuit - Reclamation Cutbacks Upheld \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Hydropower Rights Battle in Nebraska: Forfeiture and Abandonment Asserted by Groundwater Irrigators \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Instream Flows Decision in Washington: Protection from Impairment - Reserved Use Rule \(Reservation\) Invalid by David Moon \(TWR #116: Oct. 15, 2013\)](#)

[Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde \(TWR #117, Nov. 15, 2013\)](#)

[Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson \(TWR #117, Nov. 15, 2013\)](#)

[Climate Change & Public Trust Doctrine - Climate Change, Public Trust Doctrines & *PPL Montana* by Robin Kundis Craig \(TWR #120: Feb. 15, 2014\)](#)

[Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol \(TWR #121: March 15, 2014\)](#)

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

Instream Use Change: irrigation to instream Transfer in Nevada Approved by State Engineer (TWR #122, Water Briefs: April 15, 2014)

Colorado's Water Plan by Jayla Ryan Poppleton (TWR #123: May 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Stream Access in New Mexico: Attorney General's Opinion (TWR #123, Water Briefs: May 15, 2014)

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

Tribal Water Leasing: Federal Tribal Land Leasing Laws Should Be Extended to Tribal Water Leases by Ryan A. Smith (TWR #125: July 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon (TWR #132: Feb. 15, 2015)

Colorado Water Plan Draft Released (TWR #132, Water Briefs: Feb. 15, 2015)

Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith (TWR #133: March 15, 2015)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem (TWR #135: May 15, 2015)

Preferences During Shortage Rejected in Texas - "Senior" Water Rights Protected (TWR #135, Water Briefs: May 15, 2015)

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Sustainable Water Use: Historic Purchase to Preserve Basin Integrity (TWR #140, Water Briefs: Oct. 15, 2015)

The Argument for the Prior Appropriation Doctrine to Allocate Water in the Western U.S. (TWR #140, Water Briefs: Oct. 15, 2015)

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

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Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons (TWR #143: January 15, 2016)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

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Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

PRIORITY CALL (see also "CALLS"):

Utah Navajo Water Rights Settlement Agreement Approved by Navajo Nation Council (TWR #144, Water Briefs: Feb. 15, 2016)

PRIORITY DATE DETERMINATION:

Hydropower Rights Battle in Nebraska: Forfeiture and Abandonment Asserted by Groundwater Irrigators (TWR #115, Water Briefs: Sept. 15, 2013)

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[Curtailments Lawsuit: Drought Emergency Decisions Contested in California by Water Users \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Gila Water Storage: Innovative Banking Creates “Long-Term Storage Credits” - Gila River Water Storage LLC and Christa McJunkin \(TWR #130: Dec. 15, 2014\)](#)

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

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PRIORITY SYSTEM:

[California Groundwater Regulation - Into the Trenches: An Early Assessment of California’s New Groundwater Legislation by David Aladjem \(TWR #135: May 15, 2015\)](#)

[Preferences During Shortage Rejected in Texas - "Senior" Water Rights Protected \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Instream Flow Rights Decision in Colorado: State Agency Authority Upheld - Policy of Preserving Natural Environment \(TWR #135, Water Briefs: May 15, 2015\)](#)

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[Curtailment Support in California - Court Ruling in State’s Favor on Enforcement \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Civil Penalty for Unauthorized Diversion/Use in California: \\$1.5 million Fine Issued for Water District \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

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[Aquifer Recovery in Idaho: Governor's Budget Provides Funding to Reverse Decline of Idaho Aquifer Levels \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

PRIVATE ATTORNEY GENERAL DOCTRINE:

[Water Rights Determination: Agency Authority in Enforcement Actions in California \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

PRIVATE CAPITAL:

[Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap \(TWR #148: June 15, 2016\)](#)

PRIVATE ENTITY:

[Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon \(TWR #141: Nov. 15, 2015\)](#)

PRIVATE MITIGATION:

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

PRIVATIZATION (see also Speculation):

[Bennett Raley, Assistant Secretary of the Interior - Interview by David Moon \(TWR #7: Sept. 15, 2004\)](#)

[US Water Services Privatization: Key Issues and Experiences by Charles W. Howe and Jeffrey W. Jacobs \(TWR #12: Feb. 15, 2005\)](#)

[Beyond Privatization: Lessons for Restructuring Water Systems to Improve Performance by Gary Wolff and Eric Hallstein \(TWR #27: May 15, 2006\)](#)

[Water Privatization: Court Voids Stockton Contract \(TWR #34, Water Briefs: December 15, 2006\)](#)

[Santa Fe Water Resources and Policy: Evolving "Wet Growth Regulations" by Kyle Harwood \(TWR #36, February 15, 2007\)](#)

[Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer \(TWR #50: April 15, 2008\)](#)

["Unquenchable: America's Water Crisis and What to Do About It" - Interview with Author Robert Glennon by David Moon, Editor \(TWR #64: June 15, 2009\)](#)

[Speculative Use or Regional Provider: Company Applies for Massive Water Right in Oregon by David Moon \(TWR #94: Dec. 15, 2011\)](#)

[Privatization: "Private Equity, Public Inequity: The Public Cost of Private Equity Takeovers of U.S. Water Infrastructure" \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[Desalination Plant - Proposed Purchase Agreement Signed \(San Diego County Water Authority & Poseidon Resources \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre \(TWR #114: August 15, 2013\)](#)

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

[Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey \(TWR #130: Dec. 15, 2014\)](#)

[Water Financing: New EPA Build America Investment Initiative \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[The Pope Talks On Water: Pope Francis' Encyclical on "The Issue of Water" \(TWR #137, Water Briefs: July 15, 2015\)](#)

[PROCEDURAL REQUIREMENTS \(ESA\):](#)

[Crude Oil-By-Rail & the Endangered Species Act: Coming Soon to Train Tracks Near You? by Kristen L. Boyles \(TWR #136: June 15, 2015\)](#)

[PRODUCED WATER \(see also Coalbed Methane\):](#)

[EPA Effluent Guidelines: Proposed Regulation of Shale Gas & Coalbed Methane Effluent by Campbell & Howe \(TWR #96: Feb. 15, 2012\)](#)

[GAO Study on "Produced Water" Released \(Oil and Gas Production\) \(TWR #97, Water Briefs: March 15, 2012\)](#)

[Hydraulic Fracturing & Water: Water Needs and Appropriate Management by William H. Fronczak \(TWR #102: August 15, 2012\)](#)

[UIC Violations in Utah: Safe Drinking Water Penalty of \\$600,000 \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson \(TWR #132: Feb. 15, 2015\)](#)

[Fracking Ban in California?: Wastewater Injections Disclosed & Governor Petitioned \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Hydraulic Fracturing: Interior's Rule Released for Public & American Indian Lands \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Recycled Water Rules in New Mexico: "Produced Water" Reuse Allowed \(TWR #134, Water Briefs: April 15, 2015\)](#)

[EPA Fracking Study "Draft Assessment" Released \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Earthquakes Increase in Oklahoma: Oil & Gas Wastewater Injection Limited \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Water & Power: Reclamation Science & Technology Development Projects \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Fracking & Drinking Water Sources: Stanford Researchers Show Fracking's Impact to Drinking Water Sources by Rob Jordan \(TWR #146: April 15, 2016\)](#)

[Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative \(TWR #146: April 15, 2016\)](#)

PROGRAMMATIC GENERAL PERMITS:

[Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey \(TWR #97: March 15, 2012\)](#)

PROGRAMMATIC CONSULTATION:

[Small Dam Removal in Idaho: Programmatic Consultation Review by NOAA Fisheries \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

PROGRAMMATIC RESPONSIBILITIES:

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

PROHIBITIONS ON USE or PROHIBITED USES:

[Mandatory Water Use Restrictions in California: Governor's Executive Order a First \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Water Conservation in California: State Water Board Issues Expanded Emergency Regulation \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Drought Regulations Replaced With "Stress Test" Approach in California \(TWR #148, Water Briefs: June 15, 2016\)](#)

PROJECTION TOOL (Groundwater):

[South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom \(TWR #122: April 15, 2014\)](#)

PROJECT METRICS:

[Green Infrastructure Guidance Announced by WRF: Capital Improvement Project Delivery Methods & Incentives \(TWR #146, Water Briefs: April 15, 2016\)](#)

PROOF OF CONCEPT TEST:

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

PROOF OF LIABILITY:

Stormwater Cleanup: Proof for Liability in Clean Water Act Suit - Representative Locations in Pollution Monitoring (TWR #115, Water Briefs: Sept. 15, 2013)

PROPERTY DAMAGE:

Federal Power Act Preempts Damage Claims Under State Tort Law - Fifth Circuit Ruling (TWR #117, Water Briefs: Nov. 15, 2013)

PROPERTY RIGHTS (see also Prior Appropriation Doctrine):

Colorado's Water Plan by Jayla Ryan Poppleton (TWR #123: May 15, 2014)

Stream Access in New Mexico: Attorney General's Opinion (TWR #123, Water Briefs: May 15, 2014)

Fracking Verdict in Texas: Jury Awards \$3 Million Damages to Family for Exposure (TWR #123, Water Briefs: May 15, 2014)

Small Scale Hydropower & Ditch Easements: Colorado Decision Applies "No Injury Rule" and Maximum Use by David Moon (TWR #136: June 15, 2015)x

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones (TWR #138, August 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

The Argument for the Prior Appropriation Doctrine to Allocate Water in the Western U.S. (TWR #140, Water Briefs: Oct. 15, 2015)

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Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

PROPERTY VALUES:

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington’s Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

PROPORTIONAL ALLOCATION:

Unbundling Water Rights: Pilot Program Anticipated in Nevada’s Diamond Valley / Excerpts from “Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States” by Mike Young (TWR #144: Feb. 15, 2016)

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PROPRIETARY INFORMATION:

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

"PRORATABLE" RIGHTS:

Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity (TWR #106: Dec. 15, 2012)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington’s Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

Reverse Auction for Leasing Instream Flow in Washington (TWR #135, Water Briefs: May 15, 2015)

PROSPECTIVE APPLICATION:

Arizona Groundwater Law by L. William Staudenmaier (TWR #33: Nov. 15, 2006)

PROSPECTIVE RELIEF:

Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon (TWR #132: Feb. 15, 2015)

“PROTECTING COLD WATER” STANDARD:

Oregon Forestry Sets Riparian Buffers for Temperature Requirements (TWR #141, Water Briefs: Nov. 15, 2015)

PROTECTION ZONE:

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

PROTECTIVE CASING:

Fracking & Drinking Water Sources: Stanford Researchers Show Fracking’s Impact to Drinking Water Sources by Rob Jordan (TWR #146: April 15, 2016)

PROTECTIVE TRIGGERS:

Setting Measurable Objectives to Achieve Sustainable Groundwater Management in California (TWR #140, Water Briefs: Oct. 15, 2015)

PROXIMATE CAUSE:

Texas Permitting Rules Upheld: Whooping Cranes Lawsuit Reversed (TWR #125, Water Briefs: July 15, 2014)

Federal ESA Decisions: Return of *Sweet Home* in Texas Whooping Crane Case by Richardson, Weinberg, Wang & Fansler (TWR #126: Aug. 15, 2014)

Whooping Crane ESA Case: Fifth Circuit Refuses to Reconsider ESA “Take” Challenge by David Moon (TWR #131: Jan. 15, 2015)

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

“PRUDENT” ACTIONS:

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

“PUBLIC BETTERMENT AQUIFER RECHARGE”:

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

PUBLIC HEALTH (Consideration):

[Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations \(Congressional Research Service\) by Claudia Copeland \(TWR #128, Oct. 15, 2014\)](#)

[Pesticides in US Streams & Rivers: USGS Report Compares Data from 1992-2001 & 2002-2011 \(Edited/condensed from USGS\) \(TWR #128, Oct. 15, 2014\)](#)

[Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon \(TWR #143: January 15, 2016\)](#)

[Clean Watersheds Needs Survey Released by EPA \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[EPA Enforcement: Seven National Enforcement Initiatives Announced for 2017-2019 \(TWR #145, Water Briefs: March 15, 2016\)](#)

[PUBLIC INTEREST REVIEW and PUBLIC INTEREST \(Public Welfare\):](#)

[Water Conservation Initiatives - Western States Take Action by Craig Bell, Western States Water Council \(TWR #38: April 15, 2007\)](#)

[Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering \(TWR #43, Sept. 15, 2007\)](#)

[New Western Water Agenda: Opportunities for Action in an Era of Growth and Climate Change by MacDonnell & Fort \(TWR #48: February 15, 2008\)](#)

[Texas Water Law: An Update on Recent Legislation and Case Law by Deborah Clarke Trejo and Tina Alvarado Arnold \(TWR #49: March 15, 2008\)](#)

[Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge \(TWR #64: June 15, 2009\)](#)

[New Era of Interbasin Water Transfers by Barbara Cosens \(TWR #72: Feb. 15, 2010\)](#)

[Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill \(TWR #76: June 15, 2010\)](#)

[Exempt Well Decision in South Dakota: Domestic v. Commercial Use \(Tribal Opposition\) \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Nebraska's Evolving Water Law: Challenges & Opportunities - Part II by Mary E. Kelly \(TWR #82: Dec. 15, 2010\)](#)

[Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde \(TWR #83: Jan. 15, 2011\)](#)

[Construing Speculative Use: TCEQ Remands Million Acre-Foot Water Application for Brazos River Basin by David Moon, Editor \(TWR #96: Feb. 15, 2012\)](#)

[Nuclear Power Water Right Change Applications Approved in Utah \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[Las Vegas Water Rights Granted: Groundwater Exportation Allowed for Southern Nevada Water Authority \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Local Land Use Decisions & Water Supply Considerations: New Rules from the Washington Supreme Court by Dave Monthie \(TWR #102: August 15, 2012\)](#)

[Comments on *Land Use & Water Supply*, TWR #102: Sarah Mack & Dave Monthie \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Water Transfers in the West by Carlee Brown \(TWR #107: January 15, 2013\)](#)

[Conjunctive Management of Surface & Ground Water in Idaho \(Public-Private Partnerships\) by Tuthill, Rassier & Anderson \(TWR #108: Feb. 15, 2013\)](#)

[Klamath Dam Removal Overview Report \(Interior\): An Assessment of Science and Technical Information Released \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Umatilla Basin Aquifer Restoration Project: New Management Model at the Crossroads by Martha Pagel \(TWR #109: March 15, 2013\)](#)

[Hydraulic Fracturing & Water: Considering the Water Resources Impacts of Hydraulic Fracturing by Adam Orford \(TWR #110: April 15, 2013\)](#)

[Culvert Case Decided in Washington: Tribal Treaty Fishing Rights Victory by David Moon \(TWR #110: April 15, 2013\)](#)

[Indian Water Right Negotiations: Interior's Considerations When Appointing Federal Negotiation Teams by Duane Mecham \(TWR #111: May 15, 2013\)](#)

[Instream Flows Decision in Washington: Protection from Impairment - Reserved Use Rule \(Reservation\) Invalid by David Moon \(TWR #116: Oct. 15, 2013\)](#)

[Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde \(TWR #117, Nov. 15, 2013\)](#)

[Utah Nuclear Plant Water Right Transfers Upheld by Court \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Las Vegas Water Rights Decision - Judge Overturns State Engineer Approvals by David Moon \(TWR #119: Jan. 15, 2014\)](#)

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PUBLIC LANDS:

Hydraulic Fracturing: Interior's Rule Released for Public & American Indian Lands (TWR #134, Water Briefs: April 15, 2015)

Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues (TWR #145, Water Briefs: March 15, 2016)

PUBLIC NOTICE PROCESS:

Water Quality Litigation: Oregon's "State-of-the-Art" Water Quality Standards Challenge by Richard M. Glick (TWR #24: February 15, 2006)

Wastewater Treatment-Benefits of Moving Beyond Minimum Reqmts.: King County's Brightwater Project by Hummel (TWR #46: December 15, 2007)

TMDL Challenges in Development and Implementation by David L. Clark, Jory Oppenheimer, and Michael Kasch (TWR #47: January 15, 2008)

New Mexico Legislation Provides Flexibility to Purchase and Sever Water Rights from Land (Pecos Compact) (TWR #49, Water Briefs: March 15, 2008)

PUBLIC POLICY:

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

PUBLIC/PRIVATE PARTNERSHIPS:

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)

Water Financing: New EPA Build America Investment Initiative (TWR #132, Water Briefs: Feb. 15, 2015)

Finding “New Water” in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

PUBLIC PROPERTY OR PUBLIC RESOURCE:

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a “Values-based” Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

PUBLIC RIGHTS:

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

PUBLIC TRUST DOCTRINE:

Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs (TWR #36, February 15, 2007)

Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer (TWR #50: April 15, 2008)

Stream Access Decision: When Is a Stream a Stream, Water Natural, and Property Private? by Jack R. Tuholske (TWR #59: Jan. 15, 2009)

New Era of Interbasin Water Transfers by Barbara Cosens (TWR #72: Feb. 15, 2010)

Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde (TWR #83: Jan. 15, 2011)

Public Trust Doctrine Adopted in Nevada: Decision on Navigable Waterways & Restraint on Land Transfers (TWR #90, Water Briefs: August 15, 2011)

"Taking" Decision in US Court of Federal Claims (Beneficial Use & Damages) (TWR #95, Water Briefs: Jan. 15, 2012)

Climate Change & Public Trust Doctrine - Climate Change, Public Trust Doctrines & *PPL Montana* by Robin Kundis Craig (TWR #120: Feb. 15, 2014)

Public Trust Doctrine Decision in California: Groundwater Regulation to Protect Rivers (TWR #126, Water Briefs: Aug. 15, 2014)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz

(TWR #134: April 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon (TWR #141: Nov. 15, 2015)

PUBLIC WELFARE - see PUBLIC INTEREST

PUGET SOUND:

Puget Sound Initiative in Washington: Proposals & Cleanup (TWR #35, Water Briefs: January 15, 2007)

Global Warming & Environmental Law: Climate Change and the ESA by Melanie J. Rowland (TWR #45, Nov. 15, 2007)

Puget Sound Pollution Grants for Stormwater Projects and Water Reuse (TWR #48, Water Briefs: February 15, 2008)

NMFS Biological Opinion on FEMA Flood Insurance Program: Puget Sound ESA Jeopardy Findings (TWR #56, Water Briefs: October 15, 2008)

Puget Sound Cleanup Plan Adopted: Action Agenda (TWR #58, Water Briefs: December 15, 2008)

Municipal Stormwater in Washington: Low Impact Development Permit Requirements (TWR #60, Water Briefs: Feb. 15, 2009)

Wastewater Treatment: Puget Sound Issues - Increased Stringency (TWR #65, Water Briefs: July 15, 2009)

Balancing Resource Protection & Economic Development: An Early Assessment of Emerging Water Policies in the Obama Administration by Sensiba & Swenson (TWR #66: August 15, 2009)

Sewer Overflows: Puget Sound Protection (EPA Compliance Orders with Seattle & King County) (TWR #67, Water Briefs: Sept. 15, 2009)

Contamination Study Agreement by Ecology and Port - Bellingham Toxics Site (TWR #68, Water Briefs: Oct. 15, 2009)

Dissolved Metals in Stormwater: Biotic Ligand Model - New Treatment Paradigm (Obtaining Environmental Protection With New Technology & Defensible Standards by Wisdom & Bucich (TWR #86: April 15, 2011)

Toxics Reduction: Puget Sound Pollution Report Released by Ecology in Washington (TWR #94, Water Briefs: Dec. 15, 2011)

LID Stormwater Retrofitting: Application to Residential Areas Around Puget Sound by Amalia Leighton (TWR #97: March 15, 2012)

The Washington Stormwater Center: Stormwater Assistance by John D. Stark, Ph.D. and Tanyalee Erwin (TWR #99: May 15, 2012)

Puget Sound Partnership's Biennial Report *State of the Sound* Released (TWR #105, Water Briefs: Nov. 15, 2012)

Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)

Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, (TWR #122: April 15, 2014)

[New Zealand Mudsail Infestations: Public Policy Implications by Paul Bucich & Kit Paulsen \(TWR #126: Aug. 15, 2014\)](#)

[Duwamish Cleanup: Superfund Final Plan in Seattle Waterway \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Sediment Cleanup in Seattle: Penalties Issued for Violations of Cleanup Agreement \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[State of the Sound Report Released in Washington \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

PULSE FLOWS and PULSE FLOW AGREEMENTS:

[Colorado River Management: Planning, Agreeing & Acting by Ted Kowalski \(TWR #107: January 15, 2013\)](#)

[Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley \(TWR #124: June 15, 2014\)](#)

[Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin \(TWR #139, Sept. 15, 2015\)](#)

PUMPED STORAGE:

[Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson \(TWR #106: Dec. 15, 2012\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

PUMPING DURATION:

[Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield \(TWR #148: June 15, 2016\)](#)

PUMPING EFFECTS:

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

PUMP LIFT - PUMPING COSTS:

[Conjunctive Use in California's Central Valley: Mixed Results After Decades of Groundwater Banking by Jennifer Spaletta \(TWR #111: May 15, 2013\)](#)

PUNITIVE DAMAGES:

[Groundwater Pollution: Manufacturers Liability Verdict in California \(TWR #29, Water Briefs: July 15, 2006\)](#)

Groundwater Pollution Decision: Punitives Reduced (TWR #31, Water Briefs: Sept. 15, 2006)

PURPOSE OF RESERVATION:

The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon (TWR #134: April 15, 2015)

PURPOSE OF USE OF WATER RIGHT - TYPE of USE (see also Beneficial Use):

Lake Lanier Ruling in the Southeast: Reclamation Reservoir & "Water Supply" Purpose 11th Circuit Decision (TWR #89, Water Briefs: July 15, 2011)

Hydraulic Fracturing & Water: Considering the Water Resources Impacts of Hydraulic Fracturing by Adam Orford (TWR #110: April 15, 2013)

The "Fill Mead First" Proposal: Potential Legal Issues Under the Law of the River by Lawrence J. MacDonnell (TWR #112: June 15, 2013)

Reclamation Manual Policies and Directives and Standards Finalized by Bureau (TWR #114, Water Briefs: August 15, 2013)

Speculation & Fracking: Transfer/Change Request Opposed in New Mexico (TWR #131: Water Briefs, Jan. 15, 2015)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon (TWR #134: April 15, 2015)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Truckee River Operating Agreement Begins: Interstate Allocations (TWR #143, Water Briefs: Jan. 15, 2016)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

QISP CERTIFICATION:

California's New Industrial Storm Water Permit by Wendy L. Manley, Wendel Rosen Black & Dean, LLP (TWR #124: June 15, 2014)

QUANTIFICATION:

Adverse Possession & Beneficial Use in Colorado by David Moon, Editor (TWR #108: Feb. 15, 2013)

“Quantified Conservation” - Measurement & Tracking of Environmental Outcomes & Impact by The Freshwater Trust (TWR #144, Water Briefs: Feb. 15, 2016)

“QUANTIFIED CONSERVATION”:

“Quantified Conservation” - Measurement & Tracking of Environmental Outcomes & Impact by The Freshwater Trust (TWR #144, Water Briefs: Feb. 15, 2016)

QUASI-JUDICIAL:

Instream Flow Rights Decision in Colorado: State Agency Authority Upheld - Policy of Preserving Natural Environment (TWR #135, Water Briefs: May 15, 2015)

QUASI-LEGISLATIVE:

Instream Flow Rights Decision in Colorado: State Agency Authority Upheld - Policy of Preserving Natural Environment (TWR #135, Water Briefs: May 15, 2015)

QUASI-MUNICIPAL USE:

Speculation in Water: Application Rejected in Oregon by Water Resources Department (TWR #122, Water Briefs: April 15, 2014)

RADIOACTIVE WASTE:

Hanford Superfund Site Update by Ken Niles, Assistant Director, Oregon Department of Energy (TWR #23, Jan. 15, 2006)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

RADIOACTIVITY:

Hanford Superfund Site Update by Ken Niles, Assistant Director, Oregon Department of Energy (TWR #23, Jan. 15, 2006)

Fracking Spills in North Dakota: Duke University Study on Widespread Water & Soil Contamination (TWR #146, Water Briefs: April 15, 2016)

RAINWATER HARVESTING and RAIN GARDENS:

Rainwater Permit Rules in Washington (TWR #53, Water Briefs: July 15, 2008)

Rainwater Harvesting: Conservation Publication Released in New Mexico (TWR #61, Water Briefs: March 15, 2009)

Stormwater Retention On Site: An Analysis of Feasibility and Desirability by Eric W. Strecker, PE, and Aaron Poresky, EIT (TWR #65: July 15, 2009)

Rainwater Collection in Colorado: New Laws Allow Pilot Project (TWR #65, Water Briefs: July 15, 2009)

Rainwater Policy Interpretive Statement Released in Washington (TWR #69, Water Briefs: Nov. 15, 2009)

Rainwater Harvest: New Law in Effect in Utah (TWR #76, Water Briefs: June 15, 2010)

Rain Garden Guide Released in Oregon (TWR #80, Water Briefs: Oct. 15, 2010)

Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates (TWR #88: June 15, 2011)

LID Stormwater Retrofitting: Application to Residential Areas Around Puget Sound by Amalia Leighton (TWR #97: March 15, 2012)

Arizona Legislation: Instream Water Rights Face Hurdles & Rainwater Harvest Pilot Projects Proposed (TWR #99, Water Briefs: May 15, 2012)

Rain Barrels - Urban Waters Toolkit Available From EPA (TWR #102, Water Briefs: August 15, 2012)

Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson (TWR #106: Dec. 15, 2012)

National Stormwater Calculator and Climate Assessment Tool - Phase II Released by EPA (TWR #120, Water Briefs: Feb. 15, 2014)

Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. (TWR #121: March 15, 2014)

Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, (TWR #122: April 15, 2014)

Water Harvesting Assessment (TWR #124, Water Briefs: June 15, 2014)

Rainwater Harvest in Texas: How-To Video & Manual Available (TWR #128, Water Briefs, Oct. 15, 2014)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill (TWR #134: April 15, 2015)

Green Infrastructure: EPA Launches Green Infrastructure Wizard" (TWR #140, Water Briefs: Oct. 15, 2015)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

RAINY SEASON FIRES:

FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding (TWR #140: Oct. 15, 2015)

RANGE of SPECIES (ESA):

ESA "Range" of Species Final Policy Announced ("Significant Portion of its Range")(TWR #126, Water Briefs: Aug. 15, 2014)

RANGELAND:

Agricultural Conservation: USDA Program Incentives & CRP-Grasslands Initiative (TWR #138, Water Briefs: August 15, 2015)

RATEMAKING:

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

RATE OF RETURN:

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

RATES / RATE STRUCTURES (Power & Water Rates):

Klamath FERC: Dam Removal and Irrigators' Power Rates (TWR #20, Water Briefs: October 15, 2005)

Hydropower Relicensing: Fish Passage Proposal by PacifiCorp (TWR #27, Water Briefs: May 15, 2006)

Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources (TWR #34: December 15, 2006)

Klamath Basin Restoration Agreement: A Convergence of Opportunity by Paul Simmons (TWR #49: March 15, 2008)

Water Pricing: Water Rates & the "New Normal" by Kristina Donnelly and Juliet Christian-Smith (TWR #114: August 15, 2013)

Water Rates Ruling in California: Colorado River Aqueduct Overcharges (TWR #121, Water Briefs: March 15, 2014)

Mandatory Water Use Restrictions in California: Governor's Executive Order a First (TWR #134, Water Briefs: April 15, 2015)

Rate Case Award for Illegal Water Rates: \$188 Million in Damages (TWR #138, Water Briefs: August 15, 2015)

Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons (TWR #143: January 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

RATE SURCHARGE:

Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons (TWR #143: January 15, 2016)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

READINESS:

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

RCRA:

Citizen's Guide on Institutional Controls Released by EPA (TWR #15, Water Briefs: May 15, 2005)

Criminal Sentence in Hazardous Waste Case (TWR #15, Water Briefs: May 15, 2005)

Pharmaceutical Waste: EPA Proposal to Add to Universal Waste Rule (TWR #58, Water Briefs: December 15, 2008)

WALMART Pleads Guilty to CWA, FIFRA, & RCRA Violations (TWR #112, Water Briefs: June 15, 2013)

"REACQUIRED LANDS":

Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson (TWR #117, Nov. 15, 2013)

REALLOCATION OF WATER:

Instream Flows Decision in Washington: Protection from Impairment - Reserved Use Rule (Reservation) Invalid by David Moon (TWR #116: Oct. 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change?](#) by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

[Proposed Reallocation of Non-Indian Agricultural Water in the Central Arizona Project](#) (TWR #143, Water Briefs: Jan. 15, 2016)

[CELFP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems](#) by Thomas Pors (TWR #146: April 15, 2016)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems](#) by Dan Von Seggern (TWR #146: April 15, 2016)

"RE-APPROPRIATED":

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns](#) by Waskom & Smith (TWR #146: April 15, 2016)

REASONABLE ACCESS TO WATER:

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions](#) by Thomas Pors (TWR #145: March 15, 2016)

"REASONABLE DILIGENCE":

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns](#) by Waskom & Smith (TWR #146: April 15, 2016)

"REASONABLE AND PRUDENT ALTERNATIVE":

[Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation](#) by Molly Lawrence (TWR #131: Jan. 15, 2015)

[National Flood Insurance & the ESA: In the Courts & On the Ground](#) by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

"REASONABLE" PUMPING LEVELS:

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States](#) by Evan Mortimer (TWR #127: Sept. 15, 2014)

"REASONABLE USE" DOCTRINE:

[Groundwater Injury Allowed: "Reasonable Use" Limits Damages \(Ninth Circuit Decision\)](#) (TWR #24, Water Briefs: February 15, 2006)

[Arizona Groundwater Law](#) by L. William Staudenmaier (TWR #33: Nov. 15, 2006)

Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering (TWR #43, Sept. 15, 2007)

Agricultural Water to Municipal Use: The Legal and Institutional Context for Voluntary Transactions in Arizona bt Eden, Glennon, Ker, Libecap, Megdal and Shipman (TWR #58: December 15, 2008)

Groundwater Recharge Upheld in Arizona: "Takings" and Tort Claims Denied (TWR #58, Water Briefs: December 15, 2008)

Groundwater Severance Invalid: Arizona Decision Regarding Future GW Use (TWR #62, Water Briefs: April 15, 2009)

Interstate Groundwater Allocation: Nevada - Utah Draft Snake Valley Management Agreement by David Moon (TWR #67: September 15, 2009)

Nebraska's Evolving Water Law: Challenges and Opportunities Part I by Mary E. Kelly (TWR #81: November 15, 2010)

"The Reasonable Use Doctrine and Agricultural Water Use Efficiency" - California's Delta Watermaster Report (TWR #84, Water Briefs: Feb. 15, 2011)

Conjunctive Use Decisions: Applying the Prior Appropriation Doctrine to Groundwater Use by David Moon (TWR #86: April 15, 2011)

"The Reasonable Use Doctrine & Agricultural Water Use Efficiency" - California Report (TWR #88, Water Briefs: June 15, 2011)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones (TWR #138, August 15, 2015)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

REASONABLE REGULATION:

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

"REASONABLY ANTICIPATED":

Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon (TWR #141: Nov. 15, 2015)

REASONABLY EFFICIENT USE:

Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones (TWR #138, August 15, 2015)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

"REASON TO BELIEVE" STANDARD:

[Utah Nuclear Plant Water Right Transfers Upheld by Court \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

REBUTTABLE PRESUMPTIONS - REBUTTABLE PRESUMPTION OF ABANDONMENT(see also BURDEN OF PROOF):

[Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones \(TWR #138, August 15, 2015\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

RECAPTURE and RECIRCULATION:

[Restoring the San Joaquin River: Restoration Program Update & Status Report by Alicia Gasdick & Margaret Gidding \(TWR #76: June 15, 2010\)](#)

[San Joaquin Recirculation of Recaptured Interim Flows: Reclamation Releases EA/FONSI \(TWR #98, Water Briefs: April 15, 2012\)](#)

RECEIVING WATERS:

[Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols \(TWR #128, Oct. 15, 2014\)](#)

RECEPTOR TISSUE:

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher \(TWR #148: June 15, 2016\)](#)

RECHARGE BASIN:

[Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones \(TWR #138, August 15, 2015\)](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

RECHARGE CREDITS:

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States](#) by Evan Mortimer (TWR #127: Sept. 15, 2014)

[RECHARGE RATES:](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management](#) by Jim Mayer (TWR #141: Nov. 15, 2015)

[RECHARGE RIGHT:](#)

[Aquifer Recovery in Idaho: Governor's Budget Provides Funding to Reverse Decline of Idaho Aquifer Levels](#) (TWR #144, Water Briefs: Feb. 15, 2016)

[RECHARGE STREAMS:](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems](#) by Dan Von Seggern (TWR #146: April 15, 2016)

[RECLAIMED & RECYCLED WATER \(see also \[Reuse of Water\]\(#\)\):](#)

[Water Reuse: Lessons From the California Perspective](#) by Craig Lichty (TWR #4: June 15, 2004)

[Reclaimed Water Use: Groundwater Recharge](#) (TWR #6, Water Briefs: Aug. 15, 2004)

[Lower Rio Grande Regional Water Plan](#) (TWR #9, Water Briefs: Nov. 15, 2004)

[Reclaimed Water Use Approved for Snowmaking](#) by Forest Service (TWR #14, Water Briefs: April 15, 2005)

[Water Resource Management in El Paso: Conservation, Reclaimed Water and Desalinization](#) by Edmund G. Archuleta and Karol Parker (TWR #15: May 15, 2005)

[Reclaimed Water: Bureau of Reclamation FONSI in Arizona](#) (TWR #20, Water Briefs: October 15, 2005)

[Washington Water Regulation: New Department of Ecology Director Jay Manning, Interview](#) by David C. Moon, Editor (TWR #23, Jan. 15, 2006)

[Wastewater Treatment-Benefits of Moving Beyond Minimum Reqmts.: King County's Brightwater Project](#) by Hummel (TWR #46: December 15, 2007)

[Drought Actions in California: Water Transfers and Exchanges](#) (TWR #53, Water Briefs: July 15, 2008)

[Water Management Alternatives: Incorporating "New" Water Management Methods at a Watershed Scale](#) by Cat Shrier (TWR #56: October 15, 2008)

[Groundwater Replenishment & Water Reuse: Orange County California's Water Purification and Reuse Project](#) by Michael R. Markus (TWR #59:

Jan. 15, 2009)

California Water Supply: Challenges and Solutions by Dr. Cat Shrier (TWR #59: Jan. 15, 2009)

Water Reuse & Supply Sustainability: WateReuse Association and International Water Association by Dr. Cat Shrier (TWR #59: Jan. 15, 2009)

“Unquenchable: America’s Water Crisis and What to Do About It” - Interview with Author Robert Glennon by David Moon, Editor (TWR #64: June 15, 2009)

SNOWBOWL Supreme Court Decision: Sewage Effluent Snowmaking Allowed (TWR #65, Water Briefs: July 15, 2009)

Water Reuse: Reclamation Stimulus Projects (TWR #65, Water Briefs: July 15, 2009)

Integrated Water-Energy Planning: Major Nationwide Dialogue Underway by Shrier, Hightower & Johnson (TWR #66: August 15, 2009)

Conservation Report on Agricultural Innovations in California (California Farm Water Success Stories: Report & Video) (TWR #73, Water Briefs: March 15, 2010)

Reclaimed Water Management: Using Vadose Zone Recharge Wells - The Arizona Experience by Floyd L. Marsh and Gary G. Small (TWR #74, April 15, 2010)

Reclaimed Water Decision in Washington: King County's Brightwater Project Supported (TWR #74, Water Briefs: April 15, 2010)

Municipal Water Desalination - Alamogordo: New Mexico's First Large-Scale Municipal Desalination Project by James C. Brockmann (TWR #75: May 15, 2010)

Water Recycling/Reuse: Title XVI Funding Criteria Published by Reclamation (TWR #82, Water Briefs: Dec. 15, 2010)

Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie (TWR #89: July 15, 2011)

Reclaimed Wastewater: Hopi Tribe in Arizona Sues Flagstaff Over Snowmaking Proposal (TWR #91, Water Briefs: Sept. 15, 2011)

Reclaimed Water Treatment - Assessing Optimal Methods to Reduce Trace Organic Compounds and Pathogens by Bandy, Salveson, Bourgeois & Linden (TWR #101: July 15, 2012)

Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson (TWR #106: Dec. 15, 2012)

WaterSMART Funding by Reclamation for Reclaim & Reuse Projects in California (TWR #124, Water Briefs: June 15, 2014)

Reclaimed Wastewater Guidance in Washington for Local Governments (TWR #126, Water Briefs: Aug. 15, 2014)

Gila Water Storage: Innovative Banking Creates “Long-Term Storage Credits” - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

Recycled Water: Beer Brewing Proposal in Oregon (TWR #132, Water Briefs: Feb. 15, 2015)

The Making of California’s Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt (TWR #134: April 15, 2015)

Recycled Water Rules in New Mexico: "Produced Water" Reuse Allowed (TWR #134, Water Briefs: April 15, 2015)

California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem (TWR #135: May 15, 2015)

Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board (TWR #136: June 15, 2015)

Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

LA's Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan (TWR #141: Nov. 15, 2015)

Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon (TWR #141: Nov. 15, 2015)

Water Plan Released in Colorado: Water Supply Strategies (TWR #142, Water Briefs: Dec. 15, 2015)

Recycled Snowmaking - Wastewater Treatment to Ski Area (TWR #142, Water Briefs: Dec. 15, 2015)

Treated Stormwater Used for Irrigation in Florida (TWR #142, Water Briefs: Dec. 15, 2015)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

Reclaimed Water Risks-Benefits Analysis by National Academy of Sciences Released (TWR #143, Water Briefs: Jan. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Clean Watersheds Needs Survey Released by EPA (TWR #144, Water Briefs: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Report on Water Available for Replenishment of Groundwater in California: Interim White Paper (TWR #146, Water Briefs: April 15, 2016)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

RECHARGE AUGMENTATION SUPPLIES:

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

RECHARGE OF GROUNDWATER (see also [AQUIFER STORAGE & REUSE](#) and [GROUNDWATER RECHARGE](#)):

Public Supply Wells: Factors that Affect Vulnerability to Contamination - USGS Circular (TWR #115, Water Briefs: Sept. 15, 2013)

Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon (TWR #118,

Dec. 15, 2013)

Stream Flow Enhancement/Groundwater Mitigation in Washington - Stormwater Capture & Groundwater Recharge (TWR #120, Water Briefs: Feb. 15, 2014)

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)

Gila Water Storage: Innovative Banking Creates “Long-Term Storage Credits” - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

Lessons Learned from Aquifer Storage and Recovery (ASR) Systems in the US (Paper) (TWR #130: Water Briefs, Dec. 15, 2014)

Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly (TWR #131: Jan. 15, 2015)

Integrating Storage in California's Changing Water System: Storage and Water Management Report (TWR #131: Water Briefs, Jan. 15, 2015)

The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon (TWR #134: April 15, 2015)

Recycled Water Rules in New Mexico: "Produced Water" Reuse Allowed (TWR #134, Water Briefs: April 15, 2015)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Aquifer Recharge & Flood Mitigation Collaboration in Nebraska (TWR #136, Water Briefs: June 15, 2015)

Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

Finding “New Water” in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Aquifer Recovery in Idaho: Governor's Budget Provides Funding to Reverse Decline of Idaho Aquifer Levels (TWR #144, Water Briefs: Feb. 15, 2016)

Cropland Recharge in California: Groundwater Recharge for Overdraft (TWR #145, Water Briefs: March 15, 2016)

Report on Water Available for Replenishment of Groundwater in California: Interim White Paper (TWR #146, Water Briefs: April 15, 2016)

“RECHARGE” PROJECT:

Colorado Water Markets: “Alternative Transfer Mechanisms” by P. Andrew Jones (TWR #138, August 15, 2015)

“RECKLESS” OVERUSE:

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

RECLAMATION (see also BUREAU OF RECLAMATION AND STORAGE):

Reclamation Study: Potential Hydroelectric and Water Supply Projects in the Western United States (TWR #22, Water Briefs: Dec. 15, 2005)

Bureau of Reclamation Reorganization (TWR #23, Water Briefs: Jan. 15, 2006)

Colorado River Program: "Intentionally Created Surplus" (TWR #29, Water Briefs: July 15, 2006)

New Reservoir Approved for Colorado River Water (Bureau of Reclamation) (TWR #35, Water Briefs: January 15, 2007)

Water Use Efficiency - Reclamation Report for California (TWR #35, Water Briefs: January 15, 2007)

Klamath Water Market & Study (Bureau of Reclamation) (TWR #35, Water Briefs: January 15, 2007)

New Western Water Agenda: Opportunities for Action in an Era of Growth and Climate Change by MacDonnell & Fort (TWR #48: Feb. 15, 2008)

Tribal Water Sale: Tribes, Reclamation & Washington Partnership (TWR #48, Water Briefs: February 15, 2008)

Rio Grande Settlement Between New Mexican & Texan Irrigation Districts: Dispute Over Interstate Surface & Groundwater by Moon (TWR #50: April 15, 2008)

Reclamation Study: Groundwater Use Substitution With Surface Water (Columbia Basin Project) (TWR #50, Water Briefs: April 15, 2008)

Indian Water Rights: The Era of Settlements by Jeanne S. Whiteing (TWR #51: May 15, 2008)

CALFED Grants for Urban & Agriculture Efficiency (TWR #51, Water Briefs: May 15, 2008)

Columbia Basin Fish Accords Signed (TWR #51, Water Briefs: May 15, 2008)

Southeast Water Sharing Plan Proposed by Reclamation (TWR #51, Water Briefs: May 15, 2008)

Bureau of Reclamation Grants: "Water for America" Challenge (TWR #57, Water Briefs: November 15, 2008)

Agricultural Water to Municipal Use: The Legal and Institutional Context for Voluntary Transactions in Arizona by Eden, Glennon, Ker, Libecap, Megdal and Shipman (TWR #58: December 15, 2008)

Yakima River Basin Water Storage Feasibility Study EIS: Black Rock Dam Economically Unjustifiable (TWR #59, Water Briefs: Jan. 15, 2009)

Water Planning & Uncertainty: Colorado Perspectives - An Update From the Colorado Water Congress' Annual Meeting by Shrier (TWR #61: March 15, 2009)

Response to Drought in California: Federal Drought Action Team (TWR #61, Water Briefs: March 15, 2009)

Columbia River BiOp: Fed Plan for Hydropower System Argue ESA Requirements (TWR #61, Water Briefs: March 15, 2009)

Water Reuse: Reclamation Stimulus Projects (TWR #65, Water Briefs: July 15, 2009)

[The Republican River Compact: Conflict & Arbitration by Justin D. Lavene and Marcus A. Powers \(TWR #68: Oct. 15, 2009\)](#)

[Evapotranspiration Mapping - Idaho Innovation Receives Award \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Interim Flows - Friant Dam Releases \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Reclamation Found Liable - Breach of Contract and "Takings" Decision \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[River Basin Studies: Reclamation Program \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Klamath Settlement Agreements: Charting a New Direction by Glen Spain \(TWR #70: Dec. 15, 2009\)](#)

[Desalination Pilot Run: Yuma Desalting Plant \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Colorado River Flows: Grand Canyon Experiment by Dept. of Interior \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[New Era of Interbasin Water Transfers by Barbara Cosens \(TWR #72: Feb. 15, 2010\)](#)

[New Era of Interbasin Water Transfers: Part II by Barbara Cosens \(TWR #73: March 15, 2010\)](#)

[Area of Origin Reclamation Lawsuit \(TWR #73, Water Briefs: March 15, 2010\)](#)

[WaterSMART Initiative: Dept. of Interior Strategy \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Aquifer Storage & Recovery; New Federal Initiatives - EPA to Develop Guidance by Dr. Cat Shrier \(TWR #74, April 15, 2010\)](#)

[Klamath "Takings" - Ownership of Water Rights & the Bureau of Reclamation by David Moon \(TWR #74, April 15, 2010\)](#)

[Groundwater Withdrawal Limits in Washington: Emergency Rule Extended \(TWR #74, Water Briefs: April 15, 2010\)](#)

[Klamath 2010 Operations Plan Released by Reclamation \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Water Efficiency - Reclamation "WaterSMART" Funding Opportunities \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Yuma Desalting Plant Pilot Program Started/ DROP 2 Storage Reservoir Celebration \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Restoring the San Joaquin River: Restoration Program Update & Status Report by Alicia Gasdick & Margaret Gidding \(TWR #76: June 15, 2010\)](#)

[Tribal Water Rights: Current Issues & Relevant Background by Robert T. Anderson \(TWR #77: July 15, 2010\)](#)

[Northwest Water Marketing: Re-Allocating Water in the Pacific Northwest by Richard A. Slaughter \(TWR #77: July 15, 2010\)](#)

[Water Rights Retired in Nevada: Federal/State/Tribal Program \(Newlands Project\) \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Recaptured Water: San Joaquin River Restoration \(Interim Flow Releases\) \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Tribal Instream Rights: Important Settlement Reached on Klamath Basin Challenges by Douglas MacDougal \(TWR #78: Aug. 15, 2010\)](#)

[Oklahoma Water Storage: Tribal Concerns Raised - Municipalities Purchase Reclamation Project by David Moon, Editor \(TWR #79, Sept. 15, 2010\)](#)

[Oklahoma Storage Transfer Controversy: Tribal Nations & Local Interests Oppose the Transfer Agreement by David Moon, Editor \(TWR #80: Oct.](#)

15, 2010)

Hydropower Potential: Bureau of Reclamation Facilities Report (TWR #81, Water Briefs: Nov. 15, 2010)

Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma (Sardis Reservoir) by Greetham (TWR #82: Dec. 15, 2010)

Bureau of Reclamation Update: Interview with Reclamation Commissioner Mike Connor by David Moon (TWR #82: Dec. 15, 2010)

Water Recycling/Reuse: Title XVI Funding Criteria Published by Reclamation (TWR #82, Water Briefs: Dec. 15, 2010)

Key Tribal Water Developments in the Pacific Northwest by Duane Mecham (TWR #83: Jan. 15, 2011)

Tribal Water Lease: Central Arizona Project Water to Municipality (Reclamation FONSI Issued) (TWR #83, Water Briefs: Jan. 15, 2011)

Climate Change Needs: Research for Long-Term Planning - Report Issued by Corps & Reclamation (TWR #84, Water Briefs: Feb. 15, 2011)

Hydropower/Electricity: DOI Assessment Report at Reclamation Facilities (TWR #86, Water Briefs: April 15, 2011)

Yuma Desalting Plant: Reclamation Completes Pilot Run (TWR #86, Water Briefs: April 15, 2011)

Lake Lanier Ruling in the Southeast: Reclamation Reservoir & "Water Supply" Purpose 11th Circuit Decision (TWR #89, Water Briefs: July 15, 2011)

Colorado River Basin Supply & Demand Study by Carly Jerla, Terry Fulp, and Pam Adams (TWR #90: August 15, 2010)

Indian Water Settlements: Outlook for the 112th Congress and Beyond by Ryan A. Smith (TWR #90: August 15, 2010)

Tribal Fish Accord Between Federal Agencies & Kalispel Tribe (Columbia Basin) (TWR #90, Water Briefs: August 15, 2011)

BiOp Rejected Again: Columbia River Plan Found Arbitrary & Capricious (Specific Mitigation Plan Not Identified) (TWR #90, Water Briefs: August 15, 2011)

Water Treatment Innovations: Reclamation WaterSMART Awards Grants to California & Texas Study Projects (TWR #90, Water Briefs: August 15, 2011)

Tribal Fish Accord Between Federal Agencies & Kalispel Tribe (Columbia Basin) (TWR #90, Water Briefs: August 15, 2011)

Basin of Origin Claim Denied by Federal Judge in California: Reclamation Prevails Over Tehama-Colusa Canal Authority (TWR #91, Water Briefs: Sept. 15, 2011)

Lake Roosevelt Drawdown Upheld: Reclamation Project Approved by Ninth Circuit (TWR #91, Water Briefs: Sept. 15, 2011)

Reclamation's WaterSMART Program: Working to Meet Future Water & Energy Demands by Avra Morgan (TWR #92: Oct. 15, 2011)

Klamath Dam Removal: Removal Studies Released by Department of Interior (TWR #92, Water Briefs: Oct. 15, 2011)

Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses by Drew Beckwith (TWR #93: Nov. 15, 2011)

Tribal Water Supply: White Mountain Apache Tribal Government Water Right Settlement (TWR #94, Water Briefs: Dec. 15, 2011)

[Colorado River Basin Water Supply & Demand Study: Resolving Water Supply & Demand Imbalances \(TWR #98, Water Briefs: April 15, 2012\)](#)

[San Joaquin Recirculation of Recaptured Interim Flows: Reclamation Releases EA/FONSI \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Reclamation Funding for Comprehensive Basin Studies in the West \(WaterSMART\) \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Colorado Basin Study - Basin Water Supply & Demand Study Update by Carly Jerla, James Prairie, & Pam Adams \(TWR #100: June 15, 2012\)](#)

[Surplus Water in Reclamation Projects: Corps Pricing Policy Being Developed \(M&I Use Included\) \(TWR #100, Water Briefs: June 15, 2012\)](#)

[Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi \(TWR #104: Oct. 15, 2012\)](#)

[Purchases of Reservoir Storage by Various Buyers in Colorado \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Crow Tribe Settlement Implementation - Reclamation Contracts on Irrigation and Municipal, Industrial & Rural System \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[WaterSMART Update \(TWR #105: Nov. 15, 2012\)](#)

[Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity \(TWR #106: Dec. 15, 2012\)](#)

[Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson \(TWR #106: Dec. 15, 2012\)](#)

[Water Transfers in the West by Carlee Brown \(TWR #107: January 15, 2013\)](#)

[Texas v. New Mexico - Texas Sues Over Water Deliveries Under the Rio Grande Compact \(U.S. Supreme Court\) \(TWR #107, Water Briefs: January 15, 2013\)](#)

[The Colorado River Basin Water Supply and Demand Study Released by Reclamation \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Shasta Lake Water Resources Investigation - Comment Period Extended \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Conjunctive Management of Surface & Ground Water in Idaho \(Public-Private Partnerships\) by Tuthill, Rassier & Anderson \(TWR #108: Feb. 15, 2013\)](#)

[Yakima Water Plan: The Other Side of the Story by Evans, Forsgaard, Maykut & Packard \(TWR #108: Feb. 15, 2013\)](#)

[Author's Reply \(Yakima Water Plan\) by Steve Malloch and Michael Garrity \(TWR #108: Feb. 15, 2013\)](#)

[North Platte Regulation to Protect Storage Rights in Wyoming: Priority Administration in Effect \(TWR #109, Water Briefs: March 15, 2013\)](#)

[Agricultural Water Conservation Efficiency Grants - Bay Delta Restoration Program \(TWR #109, Water Briefs: March 15, 2013\)](#)

[Hydraulic Fracturing & Water: Considering the Water Resources Impacts of Hydraulic Fracturing by Adam Orford \(TWR #110: April 15, 2013\)](#)

["Takings" Claim Denied in *Casitas* Case: Beneficial Use & Injury Alleged \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Republican River Compact Call in Nebraska: Bureau of Reclamation Responds to Nebraska DNR Order \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Indian Water Right Negotiations: Interior's Considerations When Appointing Federal Negotiation Teams by Duane Mecham \(TWR #111: May 15, 2013\)](#)

[Interior Released FEIS on Klamath River Dam Removal & New Management Plan Dispute \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Southern Nevada Water Authority Article: Low Winter Flows in the Colorado River & Projected Shortages \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Cooperative Watershed Management Program \(WaterSMART\): Reclamation Funding - Applications Sought \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Reclamation Announces Actions & Strategies to Improve Water Supplies for California's Central Valley Project \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Republican River Compact Compliance: Storage Releases by Nebraska \(States Fail to Reach Future Access Agreement\) \(TWR #111, Water Briefs: May 15, 2013\)](#)

[The "Fill Mead First" Proposal: Potential Legal Issues Under the Law of the River by Lawrence J. MacDonnell \(TWR #112: June 15, 2013\)](#)

[Water Banking Criteria Draft Released by Reclamation for Central Valley Project \(TWR #112, Water Briefs: June 15, 2013\)](#)

[Klamath BiOp - Operations of Klamath Project Through 2023 Announced by Reclamation \(NMFS & USFWS BiOp\) \(TWR #112, Water Briefs: June 15, 2013\)](#)

[The Southern Delivery System - Getting to the Finish Line: Planning, Permitting & Constructing by John A. Fredell \(TWR #113: July 15, 2013\)](#)

[Groundwater Banking Project: Reclamation Restoration Funds \(San Joaquin River Restoration Settlement Act\)\(TWR #113, Water Briefs: July 15, 2013\)](#)

[Basin of Origin Claims of Tehama-Colusa Canal Authority Rejected by 9th Circuit - Reclamation Cutbacks Upheld \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Reclamation Manual Policies and Directives and Standards Finalized by Bureau \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Acquavella Update: Washington's 36-Year Old Water Rights Adjudication Nears An End by Jeff Kray \(TWR #115: Sept. 15, 2013\)](#)

[Colorado River Management & Drought: Lake Powell Releases to be Lowered Significantly by David Moon, Editor \(TWR #115: Sept. 15, 2013\)](#)

[Arkansas Valley Conduit in Colorado: Regional Water Pipeline Project - Condensed/Edited from US Bureau of Reclamation Documents \(TWR #115: Sept. 15, 2013\)](#)

[Klamath Basin Coordinating Council Releases Third Annual Report \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Klamath Settlement "Agreement in Principle" Reached Between Klamath Tribes and "Off-Project" Irrigators \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Rio Grande Water: Upper & Lower Basin Studies Released by Reclamation \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. \(TWR #121: March 15, 2014\)](#)

[New Mexico Response Filed to U.S. Motion to Intervene: *Texas v. New Mexico* \(TWR #122, Water Briefs: April 15, 2014\)](#)

[WaterSMART Funding by Reclamation for Reclaim & Reuse Projects in California \(TWR #124, Water Briefs: June 15, 2014\)](#)

Conservation Plan: Colorado River System Conservation Program Agreement (Reclamation & Municipal Water)(TWR #126, Water Briefs: Aug. 15, 2014)

Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer (TWR #127: Sept. 15, 2014)

Federal Breach of Contract: Reclamation Loses Appeal on Breach of Contract Claim by David Moon (TWR #127: Sept. 15, 2014)

Reclamation Increases Flow Releases - Lower Klamath River Supplement from Trinity Reservoir (TWR #127, Water Briefs: Sept. 15, 2014)

Lake Powell Releases: Water to Lake Mead Increased for Water Year 2015 (TWR #127, Water Briefs: Sept. 15, 2014)

Flow Augmentation Releases (Trinity Reservoir): Reclamation Releases for Salmon Protection Lower Klamath River (TWR #128, Water Briefs, Oct. 15, 2014)

Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases (TWR #128, Water Briefs, Oct. 15, 2014)

Shopping for Water: How the Market Can Mitigate Water Shortages in the American West - The Hamilton Project Paper (TWR #129: Water Briefs, Nov. 15, 2014)

High Flow Release: Glen Canyon Dam Innovative Protocol to Mimic Flood Conditions (TWR #129: Water Briefs, Nov. 15, 2014)

Aqueduct Transfer from Reclamation: Provo River Aqueduct to Provo River Water Users Ass'n (TWR #129: Water Briefs, Nov. 15, 2014)

Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

Water Resource Issues in the 114th Congress-Congressional Research Service Report (TWR #133, Water Briefs: March 15, 2015)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

Authors' Responses: Yakima River Basin Integrated Plan (TWR #135: May 15, 2015)

Water Transfers Program by Reclamation Proposed for Voluntary Water Transfers in California (TWR #135, Water Briefs: May 15, 2015)

Reverse Auction for Leasing Instream Flow in Washington (TWR #135, Water Briefs: May 15, 2015)

Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board (TWR #136: June 15, 2015)

Colorado River *Moving Forward Phase 1 Report* Released by Reclamation & Stakeholders (TWR #136, Water Briefs: June 15, 2015)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[River Basin Studies Announced by Reclamation: Imbalance of Supply, Needs & Demands \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

[Desalination and Water Purification Research Program - Funding from Reclamation Announced \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Drought Resiliency - Projects Selected by Reclamation \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Water Released for Salmon by Reclamation - Injunction by Irrigation Districts Denied \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Reservoir Release in Colorado - Lease Agreement for Instream Flow to Benefit Endangered Fish \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Santa Fe Basin in New Mexico: Reclamation Study Projects Water Shortfall \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

[Water & Power: Reclamation Science & Technology Development Projects \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[War and Peace Over the Niobrara River by Don Blankenau \(TWR #142: Dec. 15, 2015\)](#)

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

[Proposed Reallocation of Non-Indian Agricultural Water in the Central Arizona Project \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Reservoir Evaporation Losses in the West Studied \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Groundwater Banking in California: San Joaquin Restoration Program \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Natural Resource Investment Center Established by Department of Interior \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[Groundwater Recharge Banking Program: San Joaquin River Restoration Program Releases Draft EA/IS \(TWR #146, Water Briefs: April 15, 2016\)](#)

[SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool \(TWR #146, Water Briefs: April 15, 2016\)](#)

[RECLAMATION ACT of 1902:](#)

[Flow Augmentation Releases \(Trinity Reservoir\): Reclamation Releases for Salmon Protection Lower Klamath River \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond \(TWR #130: Dec. 15, 2014\)](#)

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

"RECOUPMENT" OF WATER:

[Paiute Tribe Prevails: Illegal Diversions of Water to be "Recouped" by David Moon \(TWR #75: May 15, 2010\)](#)

RECOVERY PLANS or RECOVERY IMPLEMENTATION PROGRAMS:

[Washington Draft Plan on Salmon Recovery Endorsed by NOAA \(TWR #15, Water Briefs: May 15, 2005\)](#)

[Salmon Recovery Plan \(Puget Sound\) \(TWR #18, Water Briefs: August 15, 2005\)](#)

[ESA Recovery Program Report Online \(TWR #18, Water Briefs: August 15, 2005\)](#)

[NOAA Recovery Plan: Central California Coho Salmon \(TWR #23, Water Briefs: Jan. 15, 2006\)](#)

[NOAA Awards Funding for Coastal Habitat Restoration Projects \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley \(TWR #124: June 15, 2014\)](#)

RECREATIONAL RIGHTS and RECREATIONAL USE (see also INSTREAM RIGHTS):

[Colorado Whitewater Courses and Water Rights by Kenneth W. Knox \(TWR #30: August 15, 2006\)](#)

[Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs \(TWR #36, February 15, 2007\)](#)

[Agricultural Water to Municipal Use: The Legal and Institutional Context for Voluntary Transactions in Arizona by Eden, Glennon, Ker, Libecap, Megdal & Shipman \(TWR #58: December 15, 2008\)](#)

[Utah Stream Access: Recreational Use Legislation \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses by Drew Beckwith \(TWR #93: Nov. 15, 2011\)](#)

[Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie \(TWR #105: Nov. 15, 2012\)](#)

[Colorado River Management: Planning, Agreeing & Acting by Ted Kowalski \(TWR #107: January 15, 2013\)](#)

[The "Fill Mead First" Proposal: Potential Legal Issues Under the Law of the River by Lawrence J. MacDonnell \(TWR #112: June 15, 2013\)](#)

[Community Forest: Yakima Basin Land Purchase Key Step in Yakima Basin Integrated Plan \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Climate Change & Public Trust Doctrine - Climate Change, Public Trust Doctrines & *PPL Montana* by Robin Kundis Craig \(TWR #120: Feb. 15, 2014\)](#)

[Stream Access in New Mexico: Attorney General's Opinion \(TWR #123, Water Briefs: May 15, 2014\)](#)

[Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley \(TWR #124: June 15, 2014\)](#)

[The Columbia River Treaty: September 16 Pivot Point for the Future of the Columbia River Basin by Eric Christensen \(TWR #125: July 15, 2014\)](#)

[Huge Instream Donation: Water Supply/Trust Program in Washington \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Recreational Criteria for Water Quality Standards: Overview & Technical Support by EPA \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Water Resource Issues in the 114th Congress-Congressional Research Service Report \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

[Colorado River *Moving Forward Phase 1 Report* Released by Reclamation & Stakeholders \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

RED RIVER:

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

REFINERY CONTAMINATION:

[Dewatering, Monitoring & Remediation Plans: Refinery Plume Migration & Groundwater Treatment System \(CO\)\(TWR #102, Water Briefs: August 15, 2012\)](#)

REFORESTRATION:

[Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani \(TWR #123: May 15, 2014\)](#)

REFORM:

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Improving the Federal Response to Drought: Five Areas for Reform - PPIC Water Policy Center Report (TWR #144, Water Briefs: Feb. 15, 2016)

REFORMATION:

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

REGIONAL CONDITIONALITY:

Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheaume (TWR #139, Sept. 15, 2015)

REGIONAL ENTITIES:

Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones (TWR #138, August 15, 2015)

REGIONAL STANDARDS:

Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones (TWR #138, August 15, 2015)

REGULATED RATES:

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

REGULATION (see also Enforcement):

Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson (TWR #117, Nov. 15, 2013)

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon (TWR #128, Oct. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

BLM Fracking Rules Stayed: Four States Fighting Rules for Public Lands (TWR #137, Water Briefs: July 15, 2015)

Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder (TWR #139, Sept. 15, 2015)

USGS Study: "Trends in Pesticide Concentrations and Use for Major Rivers of the United States" (TWR #139, Water Briefs: Sept. 15, 2015)

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

Water Enforcement in California: Conservation & Regulation (TWR #141, Water Briefs: Nov. 15, 2015)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Fishery Regulations in California: Information Order & Potential Fines For Noncompliance (TWR #143, Water Briefs: Jan. 15, 2016)

Measuring & Reporting in California: Diversion Regulations Adopted (TWR #144, Water Briefs: Feb. 15, 2016)

Infrastructure: Innovative & Multipurpose Financing Frameworks Developed by Stanford's Water in the West (TWR #145, Water Briefs: March 15, 2016)

Tribal Fishing Rights Lead to Coal Terminal Rejection by the Corps of Engineers (TWR #148, Water Briefs: June 15, 2016)

REGULATORY DRIVERS:

Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap (TWR #148: June 15, 2016)

REGULATORY RESTRICTIONS and ISSUES:

USGS Study: "Trends in Pesticide Concentrations and Use for Major Rivers of the United States" (TWR #139, Water Briefs: Sept. 15, 2015)

Using Graywater & Stormwater to Enhance Local Water Supplies: An Assessment of Risks, Costs, & Benefits Published (TWR #146, Water Briefs: April 15, 2016)

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

"RELATIVE SOURCE CONTRIBUTION":

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

"RELAX" CALL for WATER:

Water "Call" Agreement in Colorado - Senior Rights "Relaxed" to Allow Storage (TWR #111, Water Briefs: May 15, 2013)

RELIABILITY:

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Recommendations for Improving Water Transfers and Access to Water Markets in California (TWR #148, Water Briefs: June 15, 2016)

RELINQUISHMENT (see also Forfeiture):

Municipal Water Rights: Retroactive Expansion Lawsuit (TWR #32, Water Briefs: October 15, 2006)

Municipal Water Law Upheld by Washington Supreme Court: "Pumps and Pipes" & Expanded Municipal Suppliers (TWR #81, Water Briefs: Nov. 15, 2010)

Acquavella Update: Washington's 36-Year Old Water Rights Adjudication Nears An End by Jeff Kray (TWR #115: Sept. 15, 2013)

Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon (TWR #118, Dec. 15, 2013)

Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith (TWR #133: March 15, 2015)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

REMEDIATION:

Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder (TWR #139, Sept. 15, 2015)

REMOTE SENSING:

Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer (TWR #127: Sept. 15, 2014)

REMOVAL RATIO (OFFSET RATIO):

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

RENEWABLE ENERGY:

- In-Pipe Hydropower: Portland's In-Pipe System Secures 20-Year Power Purchase Agreement by Jennifer Allen Newton (TWR #132: Feb. 15, 2015)
- Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)
- Floating Solar Program in Japan: Benefits of Floating Plants (TWR #144, Water Briefs: Feb. 15, 2016)
- Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues (TWR #145, Water Briefs: March 15, 2016)

RENEWABLE WATER SUPPLY:

- Gila Water Storage: Innovative Banking Creates “Long-Term Storage Credits” - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)
- Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

RENEWABLE SUPPLIES:

- Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

RE-OPENER or RE-OPENER CLAUSE:

- Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)
- Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher (TWR #148: June 15, 2016)

REPLACEMENT SUPPLY:

- Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

REPLACEMENT WATER:

- Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)
- Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)
- Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)
- CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

REPLENISHMENT:

Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

Report on Water Available for Replenishment of Groundwater in California: Interim White Paper (TWR #146, Water Briefs: April 15, 2016)

REPORTING FAILURE:

Mining Violations & Clean Water Act Settlement in Idaho (TWR #137, Water Briefs: July 15, 2015)

REPRESENTATIVE STUDY PERIOD:

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

REPUBLICAN RIVER (See also NEBRASKA WATER LAW):

Republican River Litigation Expected by Kansas Attorney General (TWR #49, Water Briefs: March 15, 2008)

The Republican River Compact: Conflict & Arbitration by Justin D. Lavene and Marcus A. Powers (TWR #68: Oct. 15, 2009)

Nebraska's Evolving Water Law: Challenges and Opportunities Part I by Mary E. Kelly (TWR #81: November 15, 2010)

Republican River Compact - Arbitrator's Ruling (TWR #81, Water Briefs: Nov. 15, 2010)

Nebraska's Evolving Water Law: Challenges & Opportunities - Part II by Mary E. Kelly (TWR #82: Dec. 15, 2010)

Reclamation Funding for Comprehensive Basin Studies in the West (WaterSMART) (TWR #98, Water Briefs: April 15, 2012)

Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs (TWR #100: June 15, 2012)

Republican River Compact Call in Nebraska: Bureau of Reclamation Responds to Nebraska DNR Order (TWR #110, Water Briefs: April 15, 2013)

Republican River Compact Compliance: Storage Releases by Nebraska (States Fail to Reach Future Access Agreement) (TWR #111, Water Briefs: May 15, 2013)

Republican River Special Master's Report Issued: *Kansas v. Nebraska and Colorado* (TWR #118, Water Briefs: Dec. 15, 2013)

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

RE-QUANTIFICATION of RIGHT:

Water Right Nonuse: Historical Beneficial Consumptive Use in Change Proceedings in Colorado (TWR #133, Water Briefs: March 15, 2015)

Colorado Water Markets: “Alternative Transfer Mechanisms” by P. Andrew Jones (TWR #138, August 15, 2015)

RESERVATION:

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

RESERVATION OF RIGHTS (RESERVATIONS OF WATER):

Texas Water Law: An Update on Recent Legislation and Case Law by Deborah Clarke Trejo and Tina Alvarado Arnold (TWR #49: March 15, 2008)

Habitat Protection & Water Rights: Balancing Stream Habitat with New Water Rights Issuance - Washington's Watershed Management Program by Graham (TWR #60: Feb. 15, 2009)

Instream Flows Decision in Washington: Protection from Impairment - Reserved Use Rule (Reservation) Invalid by David Moon (TWR #116: Oct. 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Instream Rights Enforcement Discretion Agreement - *Swinomish v. Ecology* (TWR #117, Water Briefs: Nov. 15, 2013)

Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon (TWR #118, Dec. 15, 2013)

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

Instream Rules in Washington: Repeal Denied for Skagit River/New Rule for Spokane River (TWR #132, Water Briefs: Feb. 15, 2015)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

RESERVATION RIGHTS:

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

RESERVE ACCOUNT:

[Tribal Settlement Concerning Drinking & Wastewater Systems Entered by The Omaha Tribe of Nebraska \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Water Banking & Storage Agreement Between SNWA and MWD Supplements California Supplies During Drought \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

RESERVED RIGHTS (see also FEDERAL RESERVED RIGHTS & TRIBAL WATER RIGHTS):

[Colorado McCarran Amendment Ruling by David C. Moon \(TWR #10: Dec. 15, 2004\)](#)

[Southwest Water Decisions: Arizona Water Settlements Act, Indian Reserved Rights, Adjudications by McGinnis & Alberts \(TWR #20: October 15, 2005\)](#)

[Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs \(TWR #36, February 15, 2007\)](#)

[Tribal Water Rights Decision: Unquantified Reserved Rights & State Regulation by David Moon \(TWR #39: May 15, 2007\)](#)

[Tribal Treaty Rights: Fish Passage Duty Decision by US District Court in Washington \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[New Western Water Agenda: Opportunities for Action in an Era of Growth and Climate Change by MacDonnell & Fort \(TWR #48: Feb. 15, 2008\)](#)

[Multi-Use Reservoir Analysis: Rio Grande Reservoir by Matthew Bliss \(TWR #51: May 15, 2008\)](#)

[Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell \(TWR #56: October 15, 2008\)](#)

[Litigation on the Colorado River: Conflicts in Search of Solutions by Michael Gheleta \(TWR #67: September 15, 2009\)](#)

[Tribal Water Rights: Current Issues & Relevant Background by Robert T. Anderson \(TWR #77: July 15, 2010\)](#)

[Tribal Instream Rights: Important Settlement Reached on Klamath Basin Challenges by Douglas MacDougal \(TWR #78: Aug. 15, 2010\)](#)

[Oklahoma Storage Transfer Controversy: Tribal Nations & Local Interests Oppose the Transfer Agreement by David Moon, Editor \(TWR #80: Oct. 15, 2010\)](#)

[Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma \(Sardis Reservoir\) by Greetham \(TWR #82: Dec. 15, 2010\)](#)

[Key Tribal Water Developments in the Pacific Northwest by Duane Mecham \(TWR #83: Jan. 15, 2011\)](#)

[Tribal Water Rights and the Colorado River Reallocation Through Forbearance Agreements by Mason D. Morisset \(TWR #87: May 15, 2011\)](#)

[Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie \(TWR #89: July 15, 2011\)](#)

Negotiating Indian Water Rights Claims: 12th Biennial Symposium on the Settlement of Indian Reserved Water Rights by Killoren (TWR #95: Jan. 15, 2012)

Tribal Water Rights: Quantification Sought in Washington (TWR #96, Water Briefs: Feb. 15, 2012)

Treaty Tribes & Hatcheries by Alan C. Stay (TWR #99: May 15, 2012)

Utah & Confederated Tribes of the Goshute: Negotiation MOU to Quantify Reserved Water Rights (TWR #103, Water Briefs: Sept. 15, 2012)

State Trust Lands Decision by Arizona Supreme Court - No Federal Reserved Rights (TWR #104, Water Briefs: Oct. 15, 2012)

Tribal Claims to the Colorado River by Ryan Smith (TWR #109: March 15, 2013)

Indian Water Right Negotiations: Interior's Considerations When Appointing Federal Negotiation Teams by Duane Mecham (TWR #111: May 15, 2013)

Klamath Adjudication Update: Administrative Phase Complete - Judicial Review Beginning by Liljefelt & Schroeder (TWR #111: May 15, 2013)

"*Acquavella V*" Decision Issued in Washington State Adjudication (TWR #111, Water Briefs: May 15, 2013)

Klamath Adjudication - The Judicial Phase Begins: New Era in Oregon's Contentious Water History by MacDougal, Orford & Timmons (TWR #113: July 15, 2013)

CSKT Water Rights Compact Unratified: Montana Legislature Refuses to Ratify Confederated Salish and Kootenai Tribes Compact by Weiner & Stermitz (TWR #114: August 15, 2013)

Acquavella Update: Washington's 36-Year Old Water Rights Adjudication Nears An End by Jeff Kray (TWR #115: Sept. 15, 2013)

Arizona v. California Digital Collection Debuted at William A. Wise Law Library (CU) (TWR #117, Water Briefs: Nov. 15, 2013)

Indian Water Claims - Settlement of Reserved Rights Symposium (TWR #119, Water Briefs: Jan. 15, 2014)

Montana Reserved Water Rights Compact Commission's Report on CSKT Proposed Water Rights Compact Released (TWR #119, Water Briefs: Jan. 15, 2014)

Arizona Groundwater Use Decision: Groundwater Plan for Development Project Rejected by David Moon (TWR #125: July 15, 2014)

USFS Groundwater Directive: Western Governors' Ass'n Submits Commits Regarding Implications (TWR #129: Water Briefs, Nov. 15, 2014)

Tribal Compact: Attorney General's Memo to Montana's Governor (TWR #132, Water Briefs: Feb. 15, 2015)

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon (TWR #134: April 15, 2015)

Tribal Water Agreements Highlighted: Shoshone-Paiute Settlement Signed (TWR #134, Water Briefs: April 15, 2015)

[Tribal Compact Signed for Confederated Salish and Kootenai Tribes in Montana \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

[Klamath Basin Regulation: Time Immemorial Instream Rights of Tribes Protected \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

[War and Peace Over the Niobrara River by Don Blankenau \(TWR #142: Dec. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons \(TWR #143: January 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[Tribal Groundwater Case: Water Districts' Equitable Defenses Denied \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

[Tribal Fishing Rights Lead to Coal Terminal Rejection by the Corps of Engineers \(TWR #148, Water Briefs: June 15, 2016\)](#)

[RESERVED RIGHTS - GROUNDWATER:](#)

[USFS Groundwater Directive: Western Governors' Ass'n Submits Commits Regarding Implications \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon \(TWR #134: April 15, 2015\)](#)

[Tribal Groundwater Case: Water Districts' Equitable Defenses Denied \(TWR #145, Water Briefs: March 15, 2016\)](#)

[RESERVE PRICE:](#)

[Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin \(TWR #139, Sept. 15, 2015\)](#)

[RESERVES:](#)

[Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner \(TWR #132: Feb. 15, 2015\)](#)

[RESERVE WATER:](#)

[Water Banking & Storage Agreement Between SNWA and MWD Supplements California Supplies During Drought \(TWR #140, Water Briefs: Oct.](#)

15, 2015)

RESIDUAL CONTAMINATION:

Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder (TWR #139, Sept. 15, 2015)

RESIDENTIAL GALLONS PER CAPITA DAY (R-GCPD):

Water Conservation in California: Urban Water Use During Drought (TWR #128, Water Briefs, Oct. 15, 2014)(TWR #128, Water Briefs, Oct. 15, 2014)

Water Conservation in Drought: Steep Decline in Conservation in California (TWR #133, Water Briefs: March 15, 2015)

RESIDENTIAL USES:

WRF Published Water Efficiency Study: Residential End Uses of Water, Version 2 (2016) (TWR #146, Water Briefs: April 15, 2016)

RESIDUAL DESIGNATION AUTHORITY:

Residual Designation Authority: New Applications of Seldom-Used Clean Water Act Regulatory Tool by Robert W. Varney (TWR #71: Jan. 15, 2010)

RESIDUAL MATERIALS:

Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations (Congressional Research Service) by Claudia Copeland (TWR #128, Oct. 15, 2014)

RESILIENCE or RESILIENCY:

Water Utilities Training & Technical Assistance From EPA - Climate Change Resilience & Readiness (TWR #130: Water Briefs, Dec. 15, 2014)

Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly (TWR #131: Jan. 15, 2015)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley (TWR #140: Oct. 15, 2015)

Infrastructure Funds: EPA Newsletter & Website (TWR #142, Water Briefs: Dec. 15, 2015)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Improving the Federal Response to Drought: Five Areas for Reform - PPIC Water Policy Center Report (TWR #144, Water Briefs: Feb. 15, 2016)

Clean Watersheds Needs Survey Released by EPA (TWR #144, Water Briefs: Feb. 15, 2016)

USFS Releases Effects of Drought on Forest and Rangelands in the United States: A Comprehensive Science Synthesis (TWR #144, Water Briefs: Feb. 15, 2016)

RESISTANCE:

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

RES JUDICATA:

Acquavella Update: Washington's 36-Year Old Water Rights Adjudication Nears An End by Jeff Kray (TWR #115: Sept. 15, 2013)

RESOURCE CLOSURE:

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

RESOURCE CONSERVATION & RECOVERY ACT (RCRA):

Oil & Gas Lawsuit: EPA Sued Regarding Regulations on Drilling & Fracking Wastes (TWR #146, Water Briefs: April 15, 2016)

RESOURCE MANAGEMENT:

Strategy to Optimize Resource Management of Storm Water in California (TWR #141, Water Briefs: Nov. 15, 2015)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

RESOURCE POOLING:

Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap

(TWR #148: June 15, 2016)

RESPONSE DIVERSITY ("Substitutability"):

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

RESTORATION (see also Dam Removal):

Platte River Ecosystem Restoration - Environmental Perspective by Dan Luecke (TWR #3: May 15, 2004)

Basin-Wide Water Management (Cooperation in the Deschutes Basin: A Municipal Perspective) by Patrick Griffiths (TWR #7: Sept. 15, 2004)

Groundwater Replenishment - Orange County Water District Purification System (TWR #8, Water Briefs: Oct. 15, 2004)

Fish Passage Assessment by Paul Conrecode (TWR #9: Nov. 15, 2004)

Lower Rio Grande Regional Water Plan (TWR #9, Water Briefs: Nov. 15, 2004)

CalFED Bill Signed: Funding and Restoration/Storage Projects (TWR #9, Water Briefs: Nov. 15, 2004)

Klamath River Watershed Coordination Agreement (TWR #9, Water Briefs: Nov. 15, 2004)

Water and the Environment - The Role of Ecosystem Restoration by Sharon B. Megdal (TWR #16: June 15, 2005)

Friant Dam and San Joaquin River Fisheries Restoration: Reasonable Remedies? by Christopher H. Calfee (TWR #17: July 15, 2005)

San Diego Creek's Natural Treatment Stormwater Management System by Strecker, Mangarella, Hesse, Rathfelder, Leisenring & Brandt (TWR #18: Aug. 15, 2005)

Dam Removal Grants - Open Rivers Initiative by NOAA (TWR #19, Water Briefs, September 15, 2005)

Colorado River USGS Report: Management Impacts of Glen Canyon Dam Operations (TWR #22, Water Briefs: Dec. 15, 2005)

Streamflow Restoration and Habitat Availability: USGS Study in Hawaii (TWR #24, Water Briefs: February 15, 2006)

Nationwide Section 404 Permits (Clean Water Act): Corps of Engineers Proposal (TWR #32, Water Briefs: October 15, 2006)

San Joaquin Settlement: Friant Dam Litigation by Harrison C. Dunning (TWR #33: Nov. 15, 2006)

Aging Dams and Mitigation Credits: Converting Fixed Liabilities Into Liquid Assets by James G. Workman (TWR #37: March 15, 2007)

Oil Spill Settlement in California (TWR #40, Water Briefs; June 15, 2007)

Good Samaritan Settlement Agreements: CERCLA Tool for Mine Cleanup (TWR #41, Water Briefs: July 15, 2007)

Anti-Degradation Rule in New Mexico: Amendments for Restoration (TWR #42, Water Briefs: August 15, 2007)

[Open Rivers Initiative: NOAA Funding Available \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Superfund Success: Restoration Project in Montana \(TWR #45, Water Briefs: Nov. 15, 2007\)](#)

[Klamath Settlement: Dams Removal Sought \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Superfund Settlement: \\$187 Million River Cleanup \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Klamath Basin Restoration Agreement: A Convergence of Opportunity by Paul Simmons \(TWR #49: March 15, 2008\)](#)

[Willamette River Basin Fish Restoration - "Stepping Stones": Supporting Prioritized Restoration and Investment in Multiple Ecosystem Services by Hulse & Gregory \(TWR #49: March 15, 2008\)](#)

[Forest Service Legacy Roads: New Remediation Initiative Renews Focus by Mary Scurlock and Gina Ottoboni \(TWR #50: April 15, 2008\)](#)

[Battle Creek Salmon & Steelhead Restoration Project Funded by Bureau of Reclamation \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Tribal Settlement Bill: Groundwater Basin Recharge in California \(TWR #55, Water Briefs: September 15, 2008\)](#)

["Recovery Crediting System" Guidance Developed by USFWS for Endangered Species \(TWR #55, Water Briefs: September 15, 2008\)](#)

[CERCLA-NRDA Restoration: Ecocredits/Liability Coverage for Duwamish River Sites by Scott Lockert \(TWR #57: November 15, 2008\)](#)

[Klamath River: Pacificorp Agreement in Principle Reached for Dams Removal \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Puget Sound Cleanup Plan Adopted: Action Agenda \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Hydro Project Settlement: Tacoma Power & Skokomish Tribal Nation Reach Detailed Agreement \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Ecomarket Approaches to Addressing Water Quality Obligations: Legal Overview & the Hells Canyon Test Case by Glick & Nocar \(TWR #63: May 15, 2009\)](#)

[Kalispel Tribe & Utility Settlement: Hydropower Relicensing \(TWR #63, Water Briefs: May 15, 2009\)](#)

[CWA Settlement in Nevada: Union Pacific Railroad Agreement Includes \\$31 Million Restoration/\\$800,000 Penalty \(TWR #66, Water Briefs: Aug. 15, 2009\)](#)

[Open Rivers Initiative: National Funding Opportunity \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Interim Flows - Friant Dam Releases \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Klamath Dam Removal: Klamath Hydroelectric Settlement Agreement Announced \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Klamath Settlement Agreements: Part II by Glen Spain \(TWR #71: Jan. 15, 2010\)](#)

[Colorado River Flows: Grand Canyon Experiment by Dept. of Interior \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Montana Water Trust Merges With Clark Fork Coalition \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Restoring the San Joaquin River: Restoration Program Update & Status Report by Alicia Gasdick & Margaret Gidding \(TWR #76: June 15, 2010\)](#)

[Recaptured Water: San Joaquin River Restoration \(Interim Flow Releases\) \(TWR #77, Water Briefs: July 15, 2010\)](#)

[San Joaquin Fish Restoration Regulations Streamlined \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Fish Restoration Program in the Sacramento-San Joaquin Delta & Suisun Marsh: Departments Agreement Signed \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Key Tribal Water Developments in the Pacific Northwest by Duane Mecham \(TWR #83: Jan. 15, 2011\)](#)

[Abandoned Coal Mines Cleanup Grants Available from Interior \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Municipal Stormwater Management: The New Normal - Stormwater Management & Watershed Restoration in Oregon by Vizzini & Nelson \(TWR #84: Feb. 15, 2011\)](#)

[Stream Habitat Restoration: Power Company & Environmental Group Partnership in Oregon \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Wyoming Streamflow Restoration: History, Update & Current Strategies by Scott Yates \(TWR #86: April 15, 2011\)](#)

[Wetlands Violations & EPA Enforcement: Large Penalty and Restoration Ordered in Montana \(TWR #86, Water Briefs: April 15, 2011\)](#)

[Gulf Coast Restoration: EPA Ecosystem Strategy Released \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses by Drew Beckwith \(TWR #93: Nov. 15, 2011\)](#)

[Environmental Markets: Using Environmental Markets to Expand the Pace and Scale of Restoration by Alan Horton and Marley Gaddis \(TWR #94: Dec. 15, 2011\)](#)

[Green Remediation in Oregon: Policy for Cleanup Sites Finalized \(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[Thermal Trading: Oregon Approves Regional Thermal Credit Program for Temperature Standards \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[Illegal Stream Fill Settlement in California: \\$500,000 in Restoration Stipulated \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[San Joaquin Recirculation of Recaptured Interim Flows: Reclamation Releases EA/FONSI \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Watershed Restoration Success: Nonpoint Sources Addressed - EPA Section 319 Program \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whyhous Creek by Pamela Thalacker \(TWR #101: July 15, 2012\)](#)

[San Joaquin River Restoration Program: Reclamation & CDWR Release Final PEIS/R \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Puget Sound Partnership's Biennial Report *State of the Sound* Released \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[Klamath Restoration Agreement - Settlement Extended \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Author's Reply \(Yakima Water Plan\) by Steve Malloch and Michael Garrity \(TWR #108: Feb. 15, 2013\)](#)

[Umatilla Basin Aquifer Restoration Project: New Management Model at the Crossroads by Martha Pagel \(TWR #109: March 15, 2013\)](#)

[New Restoration Program for Streams and Wetlands in Montana \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Mono Lake Settlement in California Addresses Tributary Streamflows & Other Actions \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Small Dam Removal in Idaho: Programmatic Consultation Review by NOAA Fisheries \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[NOAA Awards Funding for Coastal Habitat Restoration Projects \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon \(TWR #118, Dec. 15, 2013\)](#)

[Klamath Settlement "Agreement in Principle" Reached Between Klamath Tribes and "Off-Project" Irrigators \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Wetlands Restoration: New Re-Excavation Method Successful According to Texas A&M AgriLife Extension Service \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Klamath Agreement - Upper Klamath Basin Comprehensive Agreement Reached \(TWR #121, Water Briefs: March 15, 2014\)](#)

[Riparian Restoration in Wyoming: Coordinated Resource Management - Livestock Grazing Practices \(TWR #121, Water Briefs: March 15, 2014\)](#)

[Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani \(TWR #123: May 15, 2014\)](#)

[Los Angeles River Ecosystem Restoration Study \(TWR #124, Water Briefs: June 15, 2014\)](#)

[2015 Five Star/Urban Waters Restoration Program: EPA Grant Program RFP \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[High Flow Release: Glen Canyon Dam Innovative Protocol to Mimic Flood Conditions \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Restoration Funding: 2015 Five Star/Urban Waters Restoration Program \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Fracking Settlement-Fill Material Discharges: Civil Penalty and Restoration in Clean Water Act Case \(TWR #131: Water Briefs, Jan. 15, 2015\)](#)

[Wyoming's Water Strategy: State Water Planning \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Water Resource Issues in the 114th Congress-Congressional Research Service Report \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Transboundary Cooperation in the International Columbia River Basin: A Preliminary Assessment of Existing Arrangements & Future Prospects \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug \(TWR #143: January 15, 2016\)](#)

[Santa Monica Bay: 2015 State of the Bay Report Released \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

["Quantified Conservation" - Measurement & Tracking of Environmental Outcomes & Impact by The Freshwater Trust \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

RESTORATION CONTRACTS:

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

“Quantified Conservation” - Measurement & Tracking of Environmental Outcomes & Impact by The Freshwater Trust (TWR #144, Water Briefs: Feb. 15, 2016)

RETALIATION ISSUE:

Curtailment Support in California - Court Ruling in State’s Favor on Enforcement (TWR #138, Water Briefs: August 15, 2015)

“RE-TIMING” PROJECT:

Colorado Water Markets: “Alternative Transfer Mechanisms” by P. Andrew Jones (TWR #138, August 15, 2015)

RETROFIT:

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

LA’s Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan (TWR #141: Nov. 15, 2015)

Finding “New Water” in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

RETROACTIVE STATUTES and RETROACTIVE APPLICATION:

Washington State's Municipal Water Law: Landmark Law Partially Invalidated in Trial Court Decision by Jeff B. Kray (TWR #53: July 15, 2008)

Logging Road Runoff: U.S. Loggers Lose an Important Clean Water Act Exemption by Jeffrey J. Miller & Robert A. Maynard (TWR #79, Sept. 15, 2010)

Municipal Water Law Upheld by Washington Supreme Court: "Pumps and Pipes" & Expanded Municipal Suppliers (TWR #81, Water Briefs: Nov. 15, 2010)

Washington State Municipal Water Law: Washington Supreme Court Upholds Controversial Law by Jeff Kray (TWR #82: Dec. 15, 2010)

Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith (TWR #133: March 15, 2015)

Water Right Nonuse: Historical Beneficial Consumptive Use in Change Proceedings in Colorado (TWR #133, Water Briefs: March 15, 2015)

"RETURN FLOWS":

Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak (TWR #81: November 15, 2010)

Wyoming Streamflow Restoration: History, Update & Current Strategies by Scott Yates (TWR #86: April 15, 2011)

New Water Management Model: The Umatilla Basin Water Commission - Counties, Irrigation District & Confederated Tribes Form Administrative Body by Martha Pagel (TWR #87: May 15, 2011)

Irrigation Efficiency: Conserved Water & Return Flow - Supreme Court Decision in *Montana v. Wyoming* (TWR #87, Water Briefs: May 15, 2011)

Ag to Urban Transfer: No Injury Rule & Historical Use (Colorado Decision) (TWR #88, Water Briefs: June 15, 2011)

Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie (TWR #89: July 15, 2011)

Construing Speculative Use: TCEQ Remands Million Acre-Foot Water Application for Brazos River Basin by David Moon, Editor (TWR #96: Feb. 15, 2012)

Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey (TWR #97: March 15, 2012)

Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson (TWR #106: Dec. 15, 2012)

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

The Southern Delivery System - Getting to the Finish Line: Planning, Permitting & Constructing by John A. Fredell (TWR #113: July 15, 2013)

Transbasin Water Exchanges in Colorado: "Lawn Irrigation Return Flows" (LIRFs) (TWR #115, Water Briefs: Sept. 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol (TWR #121: March 15, 2014)

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon (TWR #132: Feb. 15, 2015)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones (TWR #138, August 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

Stock Pond Permit Settlement: EPA & Landowners Settle Clean Water Act Lawsuit (TWR #148, Water Briefs: June 15, 2016)

REUSE/RECYCLE OF WATER (see also RECLAIMED WATER):

Water Reuse: Lessons From the California Perspective by Craig Lichty (TWR #4: June 15, 2004)

Aquifer Storage Recovery: Expanding Possibilities in the Western United States by Cat Shrier (TWR #8: Oct. 15, 2004)

Reclaimed Water Use Approved for Snowmaking by Forest Service (TWR #14, Water Briefs: April 15, 2005)

Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs (TWR #36, February 15, 2007)

Santa Fe Water Resources and Policy: Evolving "Wet Growth Regulations" by Kyle Harwood (TWR #36, February 15, 2007)

Puget Sound Pollution Grants for Stormwater Projects and Water Reuse (TWR #48, Water Briefs: February 15, 2008)

Water Reuse Planning - Graphical Tools to Clarify Decisions: A Water Reuse Case Study by John Scott Thomas (TWR #51: May 15, 2008)

Tribes & Effluent Snowmaking Case: Religious Claims Rejected - "Substantial Burden" Key Requirement by David Moon (TWR #55: September 15, 2008)

Water Management Alternatives: Incorporating "New" Water Management Methods at a Watershed Scale by Cat Shrier (TWR #56: October 15, 2008)

Groundwater Replenishment & Water Reuse: Orange County California's Water Purification and Reuse Project by Michael R. Markus (TWR #59: Jan. 15, 2009)

Water Reuse & Supply Sustainability: WateReuse Association and International Water Association by Dr. Cat Shrier (TWR #59: Jan. 15, 2009)

Water Reuse to meet Future Water Supply Needs: NAS Study Begins by Dr. Cat Shrier (TWR #59: Jan. 15, 2009)

Water and Energy Nexus: Site Scale Conservation Opportunities by Steve Moddemeyer (TWR #63: May 15, 2009)

"Unquenchable: America's Water Crisis and What to Do About It" - Interview with Author Robert Glennon by David Moon, Editor (TWR #64: June 15, 2009)

Urban Runoff Reuse: Climate Change Measure Proposed in California (Hearing June 17) (TWR #64, Water Briefs: June 15, 2009)

Water Reuse: Reclamation Stimulus Projects (TWR #65, Water Briefs: July 15, 2009)

Aquifer Storage & Recovery; New Federal Initiatives - EPA to Develop Guidance by Dr. Cat Shrier (TWR #74, April 15, 2010)

Reclaimed Water Management: Using Vadose Zone Recharge Wells - The Arizona Experience by Floyd L. Marsh and Gary G. Small (TWR #74, April 15, 2010)

Vadose Zone Recharge in Arizona: Water Reuse Award (TWR #75, Water Briefs: May 15, 2010)

Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak (TWR #81: November 15, 2010)

Water Reuse California Legislation Passed: Recycled Water to Supplement Supplies (TWR #81, Water Briefs: Nov. 15, 2010)

Bureau of Reclamation Update: Interview with Reclamation Commissioner Mike Connor by David Moon (TWR #82: Dec. 15, 2010)

Water Recycling/Reuse: Title XVI Funding Criteria Published by Reclamation (TWR #82, Water Briefs: Dec. 15, 2010)

Water Sustainability: Recycling & Conservation Report Released in Arizona (TWR #83, Water Briefs: Jan. 15, 2011)

Wastewater Innovation: Reuse & Energy System Honored in Hawaii (TWR #85, Water Briefs: March 15, 2011)

Sustainable Water Use: Invisioning a Sustainable Water Future for the American West by Barton "Buzz" Thompson (TWR #87: May 15, 2011)

Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates (TWR #88: June 15, 2011)

Water Reuse in the West: State Programs and Institutional Issues: Report by Western States Water Council (TWR #90, Water Briefs: August 15, 2011)

Oregon's Water Conservation, Re-use and Storage Grant Program Funded (TWR #92, Water Briefs: Oct. 15, 2011)

Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses by Drew Beckwith (TWR #93: Nov. 15, 2011)

Water Reuse in the West - Institutional Restraints (Western States Water Council Report) by Nathan Bracken (TWR #93: Nov. 15, 2011)

Water Reuse: Expanding the Nation's Water Supply through Reuse of Municipal Wastewater (NRC/EPA Report) (TWR #96, Water Briefs: Feb. 15, 2012)

Municipal Water Resources & Regional Planning: The Prairie Waters Project - Aurora, Colorado by Lisa Darling (TWR #98: April 15, 2012)

Industrial Stormwater Permitting: Status and Trends in Western States by Gregg Bryden (TWR #98: April 15, 2012)

Salmon Safe Certification: Golf Course Assessment Leads to Certification for Tribal Course (TWR #99, Water Briefs: May 15, 2012)

Conservation Plan in Oklahoma: Freshwater Conservation Legislation (TWR #100, Water Briefs: June 15, 2012)

- Reclaimed Water Treatment - Assessing Optimal Methods to Reduce Trace Organic Compounds and Pathogens by Bandy, Salvesson, Bourgeois & Linden (TWR #101: July 15, 2012)
- Agricultural Water Measurement Regulation: Final Regulations Adopted in California (TWR #102, Water Briefs: August 15, 2012)
- Ben Grumbles & The U.S. Alliance: Interview by Tom Lindley (TWR #104: Oct. 15, 2012)
- Water Reuse Guidelines - EPA Releases 2012 Update (TWR #104, Water Briefs: Oct. 15, 2012)
- WaterSMART Update (TWR #105: Nov. 15, 2012)
- Guidelines for Water Reuse* (2012) Released by EPA (TWR #105, Water Briefs: Nov. 15, 2012)
- Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson (TWR #106: Dec. 15, 2012)
- Water Supply Fund in Texas: \$2 Billion Investment Depends on Texans' Vote Following Passage by Legislature (TWR #112, Water Briefs: June 15, 2013)
- Transbasin Water Exchanges in Colorado: "Lawn Irrigation Return Flows" (LIRFs) (TWR #115, Water Briefs: Sept. 15, 2013)
- Rio Grande Water: Upper & Lower Basin Studies Released by Reclamation (TWR #120, Water Briefs: Feb. 15, 2014)
- Stream Flow Enhancement/Groundwater Mitigation in Washington - Stormwater Capture & Groundwater Recharge (TWR #120, Water Briefs: Feb. 15, 2014)
- Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. (TWR #121: March 15, 2014)
- Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, (TWR #122: April 15, 2014)
- WaterSMART Funding by Reclamation for Reclaim & Reuse Projects in California (TWR #124, Water Briefs: June 15, 2014)
- Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)
- Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)
- Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)
- Recycled Water: Beer Brewing Proposal in Oregon (TWR #132, Water Briefs: Feb. 15, 2015)
- Colorado Water Plan Draft Released (TWR #132, Water Briefs: Feb. 15, 2015)
- Recycled Water Rules in New Mexico: "Produced Water" Reuse Allowed (TWR #134, Water Briefs: April 15, 2015)
- Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board (TWR #136: June 15, 2015)
- Desalination and Water Purification Research Program - Funding from Reclamation Announced (TWR #138, Water Briefs: August 15, 2015)
- EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley

(TWR #140: Oct. 15, 2015)

Muni-to-Farm Water in California: North Valley Recycled Water Program (TWR #140, Water Briefs: Oct. 15, 2015)

Reuse & Storage Conservation Program: Oregon Soliciting Comments on Applications for Grant Program (TWR #140, Water Briefs: Oct. 15, 2015)

Water Plan Released in Colorado: Water Supply Strategies (TWR #142, Water Briefs: Dec. 15, 2015)

Treated Stormwater Used for Irrigation in Florida (TWR #142, Water Briefs: Dec. 15, 2015)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

Climate Change Report on Oregon's Willamette Valley: Reclamation Reservoirs Buffer Impacts (TWR #143, Water Briefs: Jan. 15, 2016)

Reclaimed Water Risks-Benefits Analysis by National Academy of Sciences Released (TWR #143, Water Briefs: Jan. 15, 2016)

Finding "New Water" in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Clean Watersheds Needs Survey Released by EPA (TWR #144, Water Briefs: Feb. 15, 2016)

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

Reuse & Conservation: EPA Research Funding Announced (TWR #146, Water Briefs: April 15, 2016)

REVERSE AUCTION (see also AUCTION):

Reverse Auction for Leasing Instream Flow in Washington (TWR #135, Water Briefs: May 15, 2015)

Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

REVERSE OSMOSIS:

Recycled Water: Beer Brewing Proposal in Oregon (TWR #132, Water Briefs: Feb. 15, 2015)

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

REVETMENTS:

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

RIGHTS-OF-WAY (see also EASEMENTS):

Rights-of-Way Across Federal Lands: Easement Decision by 9th Circuit by David C. Moon (TWR #30: August 15, 2006)

Water Delivery - Canals, Ditches and Pipelines: The Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton (TWR #41: July 15, 2007)

Multi-Use Reservoir Analysis: Rio Grande Reservoir by Matthew Bliss (TWR #51: May 15, 2008)

Nevada Pipeline & Las Vegas Groundwater System: BLM Right-of-Way Final EIS Released (TWR #103, Water Briefs: Sept. 15, 2012)

RIGHT TO WATER:

"Right to Water" Legislation Signed in California by Governor Brown (TWR #104, Water Briefs: Oct. 15, 2012)

RIO GRANDE BASIN:

Law of the Rio Grande (Report from the 6th Annual Conference) by David Moon, Editor (TWR #13: March 15, 2005)

Rio Grande Water Regulation: "Active Water Resource Management" (AWRM) by David C. Moon (TWR #15: May 15, 2005)

Drought Relief: Reservoir Storage in New Mexico (TWR #16, Water Briefs: June 15, 2005)

Silvery Minnow ESA Sanctuary Construction Underway in New Mexico (TWR #26, Water Briefs: April 15, 2006)

Rio Grande Annual Operating Plan Released (TWR #27, Water Briefs: May 15, 2006)

Santa Fe Water Resources and Policy: Evolving "Wet Growth Regulations" by Kyle Harwood (TWR #36, February 15, 2007)

Laws of the Rivers: Compendium for Major Interstate Rivers (TWR #37: March 15, 2007)

Rio Grande Settlement Between New Mexican & Texan Irrigation Districts: Dispute Over Interstate Surface & Groundwater by Moon (TWR #50: April 15, 2008)

Multi-Use Reservoir Analysis: Rio Grande Reservoir by Matthew Bliss (TWR #51: May 15, 2008)

Conversion of Irrigation Rights to Municipal & Industrial Rights: Legislation, Court Case & Transactions - Lower Rio Grande by Jarvis (TWR #62: April 15, 2009)

Texas v. New Mexico - Texas Sues Over Water Deliveries Under the Rio Grande Compact (U.S. Supreme Court) (TWR #107, Water Briefs: January 15, 2013)

Texas Accuses Mexico of Withholding Water from Rio Grande: IBWC Urged to Compel Delivery (TWR #111, Water Briefs: May 15, 2013)

"Addressing Mexico's Water Deficit to the United States" - Report Released by Texas Officials Concerning the Rio Grande (TWR #113, Water Briefs: July 15, 2013)

[Water Right Price Index Released by WestWater Research \(TWR #114, Water Briefs: August 15, 2013\)](#)

[U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service \(TWR #118, Dec. 15, 2013\)](#)

[Rio Grande Compact - Lawsuit Between Texas & New Mexico: U.S. Solicitor General's Brief Filed \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Rio Grande Water: Upper & Lower Basin Studies Released by Reclamation \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Texas v. New Mexico: Supreme Court Grants Texas the Right to Proceed \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. \(TWR #121: March 15, 2014\)](#)

[New Mexico Response Filed to U.S. Motion to Intervene: Texas v. New Mexico \(TWR #122, Water Briefs: April 15, 2014\)](#)

[Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge \(TWR #123: May 15, 2014\)](#)

[Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond \(TWR #130: Dec. 15, 2014\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[Rio Grande Lawsuit: WildEarth Guardians Seek Historical Beneficial Use Accounting for Water Rights \(TWR #146, Water Briefs: April 15, 2016\)](#)

[SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool \(TWR #146, Water Briefs: April 15, 2016\)](#)

[RIPARIAN BUFFERS / RIPARIAN AGREEMENTS:](#)

[Oregon Forestry Sets Riparian Buffers for Temperature Requirements \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons \(TWR #143: January 15, 2016\)](#)

[RIPARIAN DOCTRINE and RIPARIAN ISSUES:](#)

[Riparian Funding in Arizona \(TWR #15, Water Briefs: May 15, 2005\)](#)

[Water and the Environment - The Role of Ecosystem Restoration by Sharon B. Megdal \(TWR #16: June 15, 2005\)](#)

[Conservation Easements: Handbook Released \(TWR #17, Water Briefs: July 15, 2005\)](#)

[Watershed Protection: EPA Webcast \(TWR #17, Water Briefs: July 15, 2005\)](#)

[California Water Rights Fees: Regulations Overturned by Kristin Castaños \(TWR #38: April 15, 2007\)](#)

[Forest Service Legacy Roads: New Remediation Initiative Renews Focus by Mary Scurlock and Gina Ottoboni \(TWR #50: April 15, 2008\)](#)

Water Quality Thermal Credit Trading: Methods for Quantifying Thermal Credits by Dupuis, Smesrud, Wirz & Primozich (TWR #52: June 15, 2008)

Instream Flow Book: Case Studies of Riverine Management (TWR #61, Water Briefs: March 15, 2009)

Water Marketing in Texas: Selling or Leasing of Groundwater and Surface Water Rights by Edmond R. McCarthy, Jr. (TWR #62: April 15, 2009)

Coastal Logging: Water Quality Lawsuit Impacts State Logging Practices - Enforceable Nonpoint Limits to be Established (TWR #80, Water Briefs: Oct. 15, 2010)

Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde (TWR #83: Jan. 15, 2011)

Water Use Curtailment in Texas: TCEQ Considers Drought Response (Priority, Riparian Rights & Contingency Plans) (TWR #87, Water Briefs: May 15, 2011)

Thermal Trading: Oregon Approves Regional Thermal Credit Program for Temperature Standards (TWR #95, Water Briefs: Jan. 15, 2012)

Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs (TWR #100: June 15, 2012)

Corps Levee Policy on Vegetation Removal: CDFG Files Suit Against Removal Requirement (TWR #100, Water Briefs: June 15, 2012)

Klamath Settlement "Agreement in Principle" Reached Between Klamath Tribes and "Off-Project" Irrigators (TWR #118, Water Briefs: Dec. 15, 2013)

Riparian Restoration in Wyoming: Coordinated Resource Management - Livestock Grazing Practices (TWR #121, Water Briefs: March 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Dry Year Program Report & Recommendations for California's Water Rights Priority System (TWR #132, Water Briefs: Feb. 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

Measuring & Reporting in California: Diversion Regulations Adopted (TWR #144, Water Briefs: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

RIPARIAN RESTORATION:

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

Restoration Funding: 2015 Five Star/Urban Waters Restoration Program (TWR #130: Water Briefs, Dec. 15, 2014)

[Oregon Forestry Sets Riparian Buffers for Temperature Requirements \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons \(TWR #143: January 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

[Liquid Assets: Investing for Impact in the Colorado Basin - Investment Blueprint Released \(TWR #146, Water Briefs: April 15, 2016\)](#)

[RIPARIAN SHADE:](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

[RIPENESS:](#)

["Takings" Claim Denied in *Casitas* Case: Beneficial Use & Injury Alleged \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo \(TWR #119: Jan. 15, 2014\)](#)

[RISK ANALYSIS:](#)

[Oil Spill Fine in Montana: ExxonMobil Petition for Reconsideration Rejected \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder \(TWR #139, Sept. 15, 2015\)](#)

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

[RISK ASSESSMENT:](#)

[California Storm Water Regulation: State Intensifies Regulation of Runoff from Construction Sites by Wendy L. Manley \(TWR #68: Oct. 15, 2009\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

RISK AVERSION:

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

RISK-BASED CLEANUP PROTOCOLS:

Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder (TWR #139, Sept. 15, 2015)

RISK-BASED REGULATION:

Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder (TWR #139, Sept. 15, 2015)

RISK CONCENTRATIONS:

Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder (TWR #139, Sept. 15, 2015)

RISK FACTORS:

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

RISK MODELING:

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

RISK OF DELIVERY:

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

RIVER AGGRADATION:

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

RIVER AUTHORITIES:

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

RIVER BANKS:

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

RIVER MAINTENANCE & OPERATIONS:

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

RIVER MANAGEMENT:

Prioritizing Management & Protection of the Colorado River's Environmental Resources - Colorado River Research Group (TWR #145, Water Briefs: March 15, 2016)

RIVER MASTER:

Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs (TWR #100: June 15, 2012)

RIVERS AND HARBORS ACT of 1899:

Nationwide Section 404 Permits (Clean Water Act): Corps of Engineers Proposal (TWR #32, Water Briefs: October 15, 2006)

ROAD BUILDING (Illegal):

Marijuana & Water Use: Illegal Farms Impact Coho Salmon in Northern California & Southern Oregon (TWR #128, Water Briefs, Oct. 15, 2014)

ROTATIONAL AGREEMENT (see also FOLLOWING):

Rotational Agreement Held Not a Change in Water Rights by Colorado Supreme Court (TWR #95, Water Briefs: Jan. 15, 2012)

Klamath Agreement - Upper Klamath Basin Comprehensive Agreement Reached (TWR #121, Water Briefs: March 15, 2014)

Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones (TWR #138, August 15, 2015)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

ROUNDUP (GLYPHOSATE):

Roundup/Glyphosate Classified "Carcinogenic" by California's EPA (TWR #140, Water Briefs: Oct. 15, 2015)

ROYALTY FEES:

Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues (TWR #145, Water Briefs: March 15, 2016)

"RULE 43":

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

RULEMAKING:

"Underground Regulation" — Agency Rulemaking & the California Administrative Procedures Act by Damien Schiff (TWR #133: March 15, 2015)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

RULE OF CAPTURE (See also Texas Water Law):

The Rule of Capture and the Edwards Aquifer Adjudication by Darcy Frownfelter (TWR #1: March 15, 2004)

Arizona Groundwater Law by L. William Staudenmaier (TWR #33: Nov. 15, 2006)

Texas Groundwater - Rule of Capture and Groundwater Management in Texas: Part I by Bruce K. Darling (TWR #38: April 15, 2007)

Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering (TWR #43, Sept. 15, 2007)

Water Marketing in Texas: Selling or Leasing of Groundwater and Surface Water Rights by Edmond R. McCarthy, Jr. (TWR #62: April 15, 2009)

Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill (TWR #76: June 15, 2010)

Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde (TWR #83: Jan. 15, 2011)

[Groundwater Rights & Regulation in Texas: Ownership and "Takings" \(TWR #97, Water Briefs: March 15, 2012\)](#)

[Texas Groundwater Ruling-*EAA v. Day*: Texas Supreme Court Confirms Landowner's Ownership of Groundwater in Place by McCarthy \(TWR #99: May 15, 2012\)](#)

[The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor \(TWR #110: April 15, 2013\)](#)

[Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo \(TWR #119: Jan. 15, 2014\)](#)

[Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge \(TWR #123: May 15, 2014\)](#)

[Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley \(TWR #124: June 15, 2014\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher \(TWR #148: June 15, 2016\)](#)

[RUNOFF or RUNOFF PATTERNS:](#)

[Oregon's Coastal Nonpoint Pollution Control Program - EPA & NOAA Disapproval Process Begins \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[USGS Unveils National Climate Change Viewer \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill \(TWR #134: April 15, 2015\)](#)

[FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding \(TWR #140: Oct. 15, 2015\)](#)

[Phase II MS4 Revision: Settlement Requires EPA to Revise Phase II MS4 Permit & Review Forest Road Runoff Regulation \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

[LA's Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan \(TWR #141: Nov. 15, 2015\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

[SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Stock Pond Permit Settlement: EPA & Landowners Settle Clean Water Act Lawsuit \(TWR #148, Water Briefs: June 15, 2016\)](#)

RURAL WATER PROJECTS:

Infrastructure Funding of \$50 Million Announced by Interior (TWR #97, Water Briefs: March 15, 2012)

RURAL WATER SUPPLY / RURAL WATER USERS:

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

RUSSIAN RIVER:

Fishery Regulations in California: Information Order & Potential Fines For Noncompliance (TWR #143, Water Briefs: Jan. 15, 2016)

SACRAMENTO RIVER BASIN:

Water Resource Issues in the 114th Congress-Congressional Research Service Report (TWR #133, Water Briefs: March 15, 2015)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

SAFE DRINKING WATER ACT (see also DRINKING WATER):

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Safe Drinking Water Act Dashboard - Website Compliance Tracking System Announced by EPA (TWR #135, Water Briefs: May 15, 2015)

"SAFE-YIELD" GROUNDWATER GOAL:

Arizona Water Management Issues: Maintaining Sustainable Water Management by Steve Olson (TWR #68: Oct. 15, 2009)

Arizona Groundwater Management by Sharon B. Megdal (TWR #104: Oct. 15, 2012)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

"SAFE YIELD" - STORAGE COMPONENT:

["Takings" Claim Denied in *Casitas* Case: Beneficial Use & Injury Alleged \(TWR #110, Water Briefs: April 15, 2013\)](#)

[California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem \(TWR #135: May 15, 2015\)](#)

SALES INCENTIVE:

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

SALINE WATERS:

[Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative \(TWR #146: April 15, 2016\)](#)

SALMON or SALMONIDS (see also FISHERIES):

[Pesticides & Salmon: Buffer Zones Agreement Reached with EPA \(TWR #125, Water Briefs: July 15, 2014\)](#)

[State of Salmon in Watersheds Report & Interactive Website in Washington State \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

[Fishery Regulations in California: Information Order & Potential Fines For Noncompliance \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Habitat Purchase: Transfer of Land to Tulalip Tribes \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Klamath Dams Removal: New Agreement Announced to Move Forward With Klamath Hydroelectric Settlement Agreement \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Office of Inspector General's Report on EPA's Actions & Decision on Alaska's Bristol Bay Watershed \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

[Suction Dredging Moratorium Upheld in Oregon \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Columbia Basin Salmon BiOp Rejected by Federal Court: Fed Plan Invalidated for Fifth Time - ESA & NEPA Violated \(TWR #146, Water Briefs: April 15, 2016\)](#)

Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher (TWR #148: June 15, 2016)

“SALMON SAFE”:

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

SALT:

Salt Content in Streams - USGS Study (TWR #125, Water Briefs: July 15, 2014)

SALTON SEA:

Colorado River Diversion for the Salton Sea: Reclamation Requests Payback from Imperial Valley Irrigation District (TWR #112, Water Briefs: June 15, 2013)

SALT RIVER PROJECT:

Phoenix Water Planning: Water Resources Plan - The 2005 Update by Tom Buschatzke (TWR #32: October 15, 2006)

Gila Water Storage: Innovative Banking Creates “Long-Term Storage Credits” - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

SALT WATER INTRUSION, SALINITY and SALT DISPOSAL:

Groundwater Rights in Blended Basins: Storage, Ownership, Overdraft & Takings by Kevin O'Brien (TWR #3: May 15, 2004)

Global Warming, The Hydrologic Cycle and Water Management by Brad Udall (TWR #28, June 15, 2006)

Bay Area Water Rights: Water Quality & Minimum Flows in California (TWR #28, Water Briefs, June 15, 2006)

Tribal Groundwater Rights: Lummi Nation Settlement in Washington (TWR #46, Water Briefs: December 15, 2007)

Urban & Rural Water Supplies: Colorado Research Pursues Win-Win Scenario by Lytle, Hansen, Jaeger & Nikkel (TWR #48: February 15, 2008)

The Peripheral Canal: San Francisco Bay - Delta Estuary Proposals by Dante Nomellini (TWR #53: July 15, 2008)

Groundwater Replenishment & Water Reuse: Orange County California's Water Purification and Reuse Project by Michael R. Markus (TWR #59: Jan. 15, 2009)

[Aquifer Storage & Recovery: Advantages, Challenges, Applications & Approaches for Expanding ASR in the West by Burt and Barry \(TWR #91: Sept. 15, 2011\)](#)

[The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor \(TWR #110: April 15, 2013\)](#)

[U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service \(TWR #118, Dec. 15, 2013\)](#)

[Regional Water Management Cooperation: Study Compares Four Cases in the West by Nathaniel Delano and Sharon B. Megdal \(TWR #121: March 15, 2014\)](#)

[WaterSMART Funding by Reclamation for Reclaim & Reuse Projects in California \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

[Mandatory Water Use Restrictions in California: Governor's Executive Order a First \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

[SALVAGED WATER:](#)

[Yellowstone River Compact: *Montana v. Wyoming*-Special Master Rules on Water Rights Issues & Denies Motion to Dismiss by Moon \(TWR #65: July 15, 2009\)](#)

[Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde \(TWR #117, Nov. 15, 2013\)](#)

[SANCTUARY:](#)

[Silvery Minnow ESA Sanctuary Construction Underway in New Mexico \(TWR #26, Water Briefs: April 15, 2006\)](#)

[SAN JOAQUIN RIVER BASIN:](#)

[Friant Dam and San Joaquin River Fisheries Restoration: Reasonable Remedies? by Christopher H. Calfee \(TWR #17: July 15, 2005\)](#)

[San Joaquin Settlement: Friant Dam Litigation by Harrison C. Dunning \(TWR #33: Nov. 15, 2006\)](#)

[Interim Flows - Friant Dam Releases \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt \(TWR #72: Feb. 15, 2010\)](#)

[Restoring the San Joaquin River: Restoration Program Update & Status Report by Alicia Gasdick & Margaret Gidding \(TWR #76: June 15, 2010\)](#)

[Delta Decisions: Salmon & Smelt Court Rulings in California \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Delta Smelt Decline: New Study Blames Nutrient Pollution \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Recaptured Water: San Joaquin River Restoration \(Interim Flow Releases\) \(TWR #77, Water Briefs: July 15, 2010\)](#)

[San Joaquin Fish Restoration Regulations Streamlined \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Delta Flow Criteria: Draft Advisory Report Released \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Fish Restoration Program in the Sacramento-San Joaquin Delta & Suisun Marsh: Departments Agreement Signed \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[ESA Experimental Population: NMFS' First Proposed Designation a Win-Win for Water Users & Steelhead by Filippi & Maag \(TWR #89: July 15, 2011\)](#)

[Bay Delta Conservation Plan: Schedule for Effects Analysis & EIS/EIR \(June 2012\) \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[NRC's Report: "A Review of the Use of Science & Adaptive Management in California's Draft Bay Delta Conservation Plan" \(TWR#91, Water Briefs: Sept. 15, 2011\)](#)

[San Joaquin Recirculation of Recaptured Interim Flows: Reclamation Releases EA/FONSI \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Reclamation Funding for Comprehensive Basin Studies in the West \(WaterSMART\) \(TWR #98, Water Briefs: April 15, 2012\)](#)

[San Joaquin River Restoration Program: Reclamation & CDWR Release Final PEIS/R \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Tunnels Planned for Bay Delta Conservation Plan - Supply/Restoration of Sacramento-San Joaquin Delta Ecosystem \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Conjunctive Use in California's Central Valley: Mixed Results After Decades of Groundwater Banking by Jennifer Spaletta \(TWR #111: May 15, 2013\)](#)

[Water Transfers Push in California: Governor's Order to Streamline Process \(TWR #112, Water Briefs: June 15, 2013\)](#)

[Land Subsidence From Groundwater Pumping: San Joaquin Valley USGS Report Released \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Water Resource Issues in the 114th Congress-Congressional Research Service Report \(TWR #133, Water Briefs: March 15, 2015\)](#)

[San Joaquin Sinking: NASA Subsidence Study \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Groundwater Banking in California: San Joaquin Restoration Program \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Improving the Federal Response to Drought: Five Areas for Reform - PPIC Water Policy Center Report \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch \(TWR #145: March 15, 2016\)](#)

[Groundwater Recharge Banking Program: San Joaquin River Restoration Program Releases Draft EA/IS \(TWR #146, Water Briefs: April 15, 2016\)](#)

[SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool \(TWR #146, Water Briefs: April 15, 2016\)](#)

[SANTA FE BASIN:](#)

[Santa Fe Basin in New Mexico: Reclamation Study Projects Water Shortfall \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[SAVED WATER:](#)

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

[SCADA \(SUPERVISORY CONTROL AND DATA ACQUISITION\):](#)

[Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield \(TWR #148: June 15, 2016\)](#)

[SCALIBILITY:](#)

[Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner \(TWR #132: Feb. 15, 2015\)](#)

[SCENIC USE / SCENIC RIVER:](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

[Instream Flow Pilot Study in Oklahoma \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[SCIENCE/SCIENCE-BASED RESEARCH/SCIENTIFIC INTEGRITY:](#)

[Klamath Fishery Science: Controversy in the Klamath River Basin by Dave Vogel \(Hardy Response\) \(TWR #11: Jan. 15, 2005\)](#)

[Klamath Basin Water Resource Issues by Dr. Thomas B. Hardy \(Vogel Response\) \(TWR #11: Jan. 15, 2005\)](#)

[ESA Proposed Policy: Delineating Species \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell \(TWR #56: October 15, 2008\)](#)

["The Endangered Species Act and the Conflict Between Science and Policy" Inspector General's Report \(TWR #59, Water Briefs: Jan. 15, 2009\)](#)

[Interior Order Establishing Policy on Scientific Integrity \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert \(TWR #107: January 15, 2013\)](#)

[Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

[SCREENING TOOL:](#)

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher \(TWR #148: June 15, 2016\)](#)

[SCREENS \(see also FISH SCREENS\):](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[SEA LEVEL RISE:](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

[SEARCHES:](#)

[Discharge Monitoring Report \(DMR\) Pollutant Loading Tool: EPA Online Tool \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[SEASON OF USE \(see also Instream Flow Water Rights\):](#)

[Instream Flow: Irrigation Season Shortened to Create Flow \(TWR #24, Water Briefs: February 15, 2006\)](#)

[Instream Flow Restoration: Cooperative, Free-Market Solutions in Oregon by Fritz Paulus \(TWR #43, Sept. 15, 2007\)](#)

[New Water Management Model: The Umatilla Basin Water Commission - Counties, Irrigation District & Confederated Tribes Form Administrative Body by Martha Pagel \(TWR #87: May 15, 2011\)](#)

[Irrigation to Instream in Wyoming: Change to State-Owned Water Rights Sets Precedent \(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[Instream Flow Assessment - The Science of the Art: Approaches to Evaluating Riverine Aquatic Habitat by Thomas R. Payne \(TWR #95: Jan. 15, 2012\)](#)

[Acquavella Update: Washington's 36-Year Old Water Rights Adjudication Nears An End by Jeff Kray \(TWR #115: Sept. 15, 2013\)](#)

[Instream Use Change: irrigation to instream Transfer in Nevada Approved by State Engineer \(TWR #122, Water Briefs: April 15, 2014\)](#)

[Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmén \(TWR #129: Nov. 15, 2014\)](#)

[SEASONAL ALLOCATION:](#)

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

[SEAWATER INTRUSION:](#)

[Groundwater Replenishment & Water Reuse: Orange County California's Water Purification and Reuse Project by Michael R. Markus \(TWR #59: Jan. 15, 2009\)](#)

[California Water Supply: Challenges and Solutions by Dr. Cat Shrier \(TWR #59: Jan. 15, 2009\)](#)

[Water & Power: Reclamation Science & Technology Development Projects \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[SECONDARY CONTAINMENT:](#)

[Underground Storage Tank Requirements Strengthened by EPA to Prevent Groundwater Contamination \(TWR #137, Water Briefs: July 15, 2015\)](#)

[SECTION 7 CONSULTATION \(see also \[ENDANGERED SPECIES ACT\]\(#\)\):](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch \(TWR #145: March 15, 2016\)](#)

[SECTION 401 \(see also \[DREDGE & FILL\]\(#\) and \[CLEAN WATER ACT\]\(#\)\):](#)

[Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey \(TWR #97: March 15, 2012\)](#)

[SECTION 404 \(see also \[CLEAN WATER ACT\]\(#\)\):](#)

[Section 404 Clean Water Act Overhaul: EPA Enforcement Changes Urged \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[Illegal Stream Fill Settlement in California: \\$500,000 in Restoration Stipulated \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[Waters of the U.S. Rule: EPA Clarification, Webinar & Extended Comment Period \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Office of Inspector General's Report on EPA's Actions & Decision on Alaska's Bristol Bay Watershed \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

SEDIMENTATION:

[Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill \(TWR #134: April 15, 2015\)](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

SEDIMENT:

[Upper Columbia River Contamination: Transboundary Application of CERCLA by Du Bey, Ulick Rosenthal & Clark \(TWR #15: May 15, 2005\)](#)

[2005 Sediments Conference by Laura Kennedy \(TWR #16: June 15, 2005\)](#)

[Sediment Evaluation: Regional Framework \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Northwest Regional Sediment Evaluation: Development Project Overview & Update by Taku Fuji and Howard L. Cumberland \(TWR #21: Nov. 15, 2005\)](#)

[Superfund Order: Duwamish Sediments \(TWR #21, Water Briefs: Nov. 15, 2005\)](#)

[Dam Removal Proposal: FERC and Sediment Impact and Water Quality \(TWR #21, Water Briefs: Nov. 15, 2005\)](#)

[Contaminated Sediment Remediation Guidance Issued \(TWR #24, Water Briefs: February 15, 2006\)](#)

[Sediments Cleanup - Experimental Processes to Decontaminate \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Analysis of Mercury in Water and Sediment by James Ateer, Betsy Henry, Kathi Futornick, Gary Bigham \(TWR #32: October 15, 2006\)](#)

[Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources \(TWR #34: December 15, 2006\)](#)

[Wood Waste & Water: Washington State's New Wood Waste Cleanup Push by Thiele, Steding & Hermann \(TWR #39: May 15, 2007\)](#)

[Contaminated Sediments Update: Conference Links Law, Science & Public Policy by Heather Brunelle and Cindy Ryals \(TWR #45, Nov. 15, 2007\)](#)

[Phytotreatment of Stormwater: Phytotreatment Findings Betoken a Promising Future by MacDonald, Dods, Futornick & Ferro \(TWR #53: July 15, 2008\)](#)

[CERCLA-NRDA Restoration: Ecocredits/Liability Coverage for Duwamish River Sites by Scott Lockert \(TWR #57: November 15, 2008\)](#)

[Columbia River Toxics: EPA's Columbia River Basin State of the River Report for Toxics by Mary Lou Soscia and Kim Johnson \(TWR #58: December 15, 2008\)](#)

[Erosion Best Management Practices for Construction: EPA Seeks Comments \(TWR #58, Water Briefs: December 15, 2008\)](#)

[New Stormwater Regulations: EPA Proposes Rule for New Effluent Limitations - Guidelines for Construction and Development by Ziemer \(TWR](#)

#59: Jan. 15, 2009)

Final Sediment Evaluation Framework (SEF) for the Pacific Northwest: CORPS' Draft Framework Comment Period (TWR #60, Water Briefs: Feb. 15, 2009)

Water Marketing in Texas: Selling or Leasing of Groundwater and Surface Water Rights by Edmond R. McCarthy, Jr. (TWR #62: April 15, 2009)

Mercury Contamination in Fish: USGS Nationwide Study (TWR #67: September 15, 2009)

Contaminate Sediments: EPA Order for Whitefish River in Montana (TWR #68, Water Briefs: Oct. 15, 2009)

Contamination Study Agreement by Ecology and Port - Bellingham Toxics Site (TWR #68, Water Briefs: Oct. 15, 2009)

Stormwater & Sediment Contamination: Minimizing Potential Sediment Recontamination & Associated Liability by Strecker, Quigley & Leisenring (TWR #72: Feb. 15, 2010)

Phosphorus Removal: Boise Proposes Innovative Offset Project (TWR #79, Water Briefs: Sept. 15, 2010)

Stormwater Treatment: PCBS & Boeing Field Agreement (TWR #80, Water Briefs: Oct. 15, 2010)

Klamath Dam Removal: Removal Studies Released by Department of Interior (TWR #92, Water Briefs: Oct. 15, 2011)

Gulf Coast Restoration: EPA Ecosystem Strategy Released (TWR #92, Water Briefs: Oct. 15, 2011)

Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses by Drew Beckwith (TWR #93: Nov. 15, 2011)

Climate Change & San Francisco Bay Watershed: Watershed Impacts for the Coming Century-Edited/Condensed from: James Cloern (TWR #94: Dec. 15, 2011)

Dam Removal Impacts Study on Elwha River Sediment Release (TWR #102, Water Briefs: August 15, 2012)

Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase (TWR #108: Feb. 15, 2013)

Sediment Control in Arizona: ADEQ-EPA Grant Program - Piping Project & Nonpoint Pollution Control (TWR #111, Water Briefs: May 15, 2013)

Riparian Restoration in Wyoming: Coordinated Resource Management - Livestock Grazing Practices (TWR #121, Water Briefs: March 15, 2014)

Stormwater Final Rule Published by EPA: Construction & Development (TWR #122, Water Briefs: April 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

High Flow Release: Glen Canyon Dam Innovative Protocol to Mimic Flood Conditions (TWR #129: Water Briefs, Nov. 15, 2014)

Duwamish Cleanup: Superfund Final Plan in Seattle Waterway (TWR #130: Water Briefs, Dec. 15, 2014)

Intergovernmental Panel on Climate Change (IPCC) 5th Synthesis Report (TWR #130: Water Briefs, Dec. 15, 2014)

Dam Removal Study: Science Announces "1000 Dams Down and Counting" by USGS Authors (TWR #136, Water Briefs: June 15, 2015)

Sediment Cleanup in Seattle: Penalties Issued for Violations of Cleanup Agreement (TWR #139, Water Briefs: Sept. 15, 2015)

[FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding \(TWR #140: Oct. 15, 2015\)](#)

[Stormwater Agreement: Clean Water Act Violations by Salt Lake County Resolved in Utah \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch \(TWR #145: March 15, 2016\)](#)

[SEEDS APPLICATION:](#)

[Insecticides Study: USGS on Neonicotinoids and Impacts on Bees \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

-

[SEEPAGE WATER \(see also "RETURN FLOWS"\):](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[SEISMIC RELIABILITY:](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

[SELENIUM:](#)

[Steam Electric Plants Toxic Pollutants Discharges: Rule Finalized by EPA \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[SENIORITY CO-EFFICIENT:](#)

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

[SEPTIC TANKS and SEPTIC RECHARGE:](#)

[Oregon's Coastal Nonpoint Pollution Control Program - EPA & NOAA Disapproval Process Begins \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would](#)

Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

SEQUENTIAL TRANSFERS:

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

SERVIENT ESTATE:

Small Scale Hydropower & Ditch Easements: Colorado Decision Applies "No Injury Rule" and Maximum Use by David Moon (TWR #136: June 15, 2015)

SETTLEMENT AGREEMENTS:

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Oral Arguments in *Kansas v. Nebraska and Colorado*: Interstate Compact, Damages & Imported Water (TWR #129: Water Briefs, Nov. 15, 2014)

Tribal Water Agreements Highlighted: Shoshone-Paiute Settlement Signed (TWR #134, Water Briefs: April 15, 2015)

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

Stock Pond Permit Settlement: EPA & Landowners Settle Clean Water Act Lawsuit (TWR #148, Water Briefs: June 15, 2016)

SETTLING CHAMBER:

Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill (TWR #134: April 15, 2015)

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

SEVERABILITY:

Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo (TWR #119: Jan. 15, 2014)

SEWAGE EFFLUENT or SEWAGE TREATMENT (see also WASTEWATER):

Sewage "Blending" and EPA Proposed Rule (TWR #12, Water Briefs: Feb. 15, 2005)

[Sewage Settlement: \\$187 Million Consent Degree \(TWR #16, Water Briefs: June 15, 2005\)](#)

[Wastewater Treatment: Peak Wet Weather Discharges \(TWR #23, Water Briefs: Jan. 15, 2006\)](#)

[Septic Leaks Result in \\$6.6 Million Fine \(TWR #23, Water Briefs: Jan. 15, 2006\)](#)

[Nogales Wastewater Treatment: International Issues Impact Progress by Joe Gelt \(TWR #27: May 15, 2006\)](#)

[Tribal Religious Issue: Sewage Effluent Rejected for Snowmaking in Arizona \(TWR #38, Water Briefs: April 15, 2007\)](#)

[SNOWBOWL Supreme Court Decision: Sewage Effluent Snowmaking Allowed \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Sewer Overflows: Puget Sound Protection \(EPA Compliance Orders with Seattle & King County\) \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Stormwater & Sediment Contamination: Minimizing Potential Sediment Recontamination & Associated Liability by Strecker, Quigley & Leisenring \(TWR #72: Feb. 15, 2010\)](#)

[Sanitary Sewer Overflows: EPA Rulemaking \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Watershed Needs: EPA Releases 2008 Survey \(TWR #77, Water Briefs: July 15, 2010\)](#)

[EPA Enforcement & Compliance Report Issued for 2013 \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Sewage Discharges: CWA Settlement for East Bay Communities in California \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson \(TWR #132: Feb. 15, 2015\)](#)

[Wastewater Discharge Fine in New Mexico: Proposed Penalties for CWA Violations \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Plastic "Microbeads" Study Proposes Outright Ban for Wastewater Problem \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Clean Watersheds Needs Survey Released by EPA \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[EPA Enforcement: Seven National Enforcement Initiatives Announced for 2017-2019 \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Sewer Overflows and Stormwater Violations in Kansas: EPA Settlement with City \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Wastewater Effluent Spill by Private Ski Area in Montana's West Gallatin River \(TWR #146, Water Briefs: April 15, 2016\)](#)

[SEWER MAIN:](#)

[Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi \(TWR #138, August 15, 2015\)](#)

[SHADING \(see also RIPARIAN SHADE\):](#)

[Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur &](#)

[Devnani \(TWR #123: May 15, 2014\)](#)

SHALE GAS (see also OIL & GAS):

[Natural Gas Wastewater: Coalbed Methane & Shale Discharges - EPA Standards Development \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[EPA Effluent Guidelines: Proposed Regulation of Shale Gas & Coalbed Methane Effluent by Campbell & Howe \(TWR #96: Feb. 15, 2012\)](#)

[Fracturing Data & Trends Released by USGS for 1947-2010 \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[“Hydraulic Fracturing Water Use Variability in the United States and Potential Environmental Implications” - USGS \(TWR #137, Water Briefs: July 15, 2015\)](#)

SHARED ASSETS:

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill \(TWR #129: Nov. 15, 2014\)](#)

SHARED GOVERNANCE:

[California Groundwater Regulation - Into the Trenches: An Early Assessment of California’s New Groundwater Legislation by David Aladjem \(TWR #135: May 15, 2015\)](#)

SHARES & SHARE TRADING:

[Unbundling Water Rights: Pilot Program Anticipated in Nevada’s Diamond Valley / Excerpts from “Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States” by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

SHARING REGIME:

[Unbundling Water Rights: Pilot Program Anticipated in Nevada’s Diamond Valley / Excerpts from “Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States” by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

SHELLFISH BEDS:

[State of the Sound Report Released in Washington \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

SHORTAGE:

[Alaska Instream Water Applications Decision: “Public Interest” and the “Most Beneficial Use” by Moon \(TWR #141: Nov. 15, 2015\)](#)

[Drought Regulations Replaced With “Stress Test” Approach in California \(TWR #148, Water Briefs: June 15, 2016\)](#)

SHORTAGE GUIDELINES or CRITERIA:

[The Colorado River: New Operational Guidelines for Lake Powell and Lake Mead by Fulp, Yoder & Blatchford \(TWR #33: Nov. 15, 2006\)](#)

[Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer \(TWR #50: April 15, 2008\)](#)

[Southern Nevada Water Authority Article: Low Winter Flows in the Colorado River & Projected Shortages \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Colorado River Diversion for the Salton Sea: Reclamation Requests Payback from Imperial Valley Irrigation District \(TWR #112, Water Briefs: June 15, 2013\)](#)

[Colorado River Management & Drought: Lake Powell Releases to be Lowered Significantly by David Moon, Editor \(TWR #115: Sept. 15, 2013\)](#)

[U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service \(TWR #118, Dec. 15, 2013\)](#)

[Lake Powell Releases: Water to Lake Mead Increased for Water Year 2015 \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

[Water Banking & Storage Agreement Between SNWA and MWD Supplements California Supplies During Drought \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

SHORELINE and SHORELINE ARMORING:

[Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, \(TWR #122: April 15, 2014\)](#)

[State of Salmon in Watersheds Report & Interactive Website in Washington State \(TWR #134, Water Briefs: April 15, 2015\)](#)

SHOULDER SEASONS:

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

SIGNIFICANT EFFECT:

[“Underground Regulation” — Agency Rulemaking & the California Administrative Procedures Act by Damien Schiff \(TWR #133: March 15, 2015\)](#)

[“SIGNIFICANT NEXUS” TEST \(see also JURISDICTION\):](#)

Clean Water Act Cases Accepted by US Supreme Court (TWR #21, Water Briefs: Nov. 15, 2005)

Wetlands and the Clean Water Act: *Rapanos, Carabell* and the Limits of Federal Jurisdiction by Bleichfeld, Collinson & Mills (TWR #24: February 15, 2006)

Clean Water Act Wetlands Jurisdiction: US Supreme Court Rules on *Rapanos & Carabell* by Jennie Bricker (TWR #29: July 15, 2006)

Supreme Court Decides Wetlands Cases *Rapanos & Carabell* by Roderick Walston (TWR #30: August 15, 2006)

Wetlands Case: 9th Circuit Issues Post-*Rapanos* Decision (TWR #31, Water Briefs: Sept. 15, 2006)

Wetlands Policy: Corps/EPA Guidance Issued (TWR #41, Water Briefs: July 15, 2007)

Clean Water Act Jurisdiction: Army Corps Jurisdictional Wetlands Determinations by Douglas W. MacDougal (TWR #47: January 15, 2008)

Clean Water Act & Rivers & Harbors Act Jurisdictional Determinations: Corps Guidance Issued (TWR #54, Water Briefs: August 15, 2008)

Wetlands Revised Guidance: Clean Water Act Scope and Jurisdiction (TWR #58, Water Briefs: December 15, 2008)

Clean Water Act Enforcement: EPA Issues New Action Plan by Tyson Kade and John Iani (TWR #69: Nov. 15, 2009)

Federal Wetlands Jurisdiction: New Post-*Rapanos* Guidance - Longer Federal Reach, Less Certainty by Glick and Gelardi (TWR #87: May 15, 2011)

Identifying Waters Protected by the Clean Water Act - Comment Period Extended (TWR #89, Water Briefs: July 15, 2011)

Water Resources Regulation & Development: Groundwater, Floodplains, and "Waters of the United States" by Robert D. Anderson (TWR #91: Sept. 15, 2011)

"Waters of the US" - Clean Water Act Jurisdiction Rule: Connectivity of Streams & Wetlands Report Released (TWR #116, Water Briefs: Oct. 15, 2013)

Clean Water Act Jurisdiction - Proposed Rule Released (TWR #122, Water Briefs: April 15, 2014)

Dam Pollution Settlement: Oil Leakage at Columbia & Snake River Dams and the Clean Water Act (TWR #126, Water Briefs: Aug. 15, 2014)

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

Clean Water Act Rule Finalized: CWA Jurisdiction (TWR #136, Water Briefs: June 15, 2015)

“Waters of the US” Definition: Preliminary Injunction Stops Application of New EPA/Army Corps Rule by David Moon (TWR #139, Sept. 15, 2015)

“Waters of the US” Clean Water Act Rule: Injunction Staying Implementation Limited to North Dakota Parties (TWR #140, Water Briefs: Oct. 15, 2015)

Stock Pond Permit Settlement: EPA & Landowners Settle Clean Water Act Lawsuit (TWR #148, Water Briefs: June 15, 2016)

-
"SIGNIFICANT PORTION of its RANGE" (ESA):

ESA "Range" of Species Final Policy Announced ("Significant Portion of its Range")(TWR #126, Water Briefs: Aug. 15, 2014)

"SILENCE":

State Control of Water: U.S. Supreme Court Rules for Oklahoma - Interstate Compact & Commerce Clause Issues by David Moon (TWR #113: July 15, 2013)

Interstate Water Compacts: The US Supreme Court's *Tarrant* Decision and the Risk of Silence by Steven Richardson (TWR #116: Oct. 15, 2013)

"SINGLE USE RULE":

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

SITE-SPECIFIC CRITERIA:

Water Quality Standards & Hydropower Dams: Finding Concrete Solutions by Rebecca Sherman, Brett Swift and Rick Eichstaedt (TWR #45, Nov. 15, 2007)

SITUATIONAL AWARENESS:

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

SKAGIT RIVER BASIN (see also WASHINGTON WATER RIGHTS):

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

SKI AREAS:

Recycled Snowmaking - Wastewater Treatment to Ski Area (TWR #142, Water Briefs: Dec. 15, 2015)

SLICK WATER:

“Hydraulic Fracturing Water Use Variability in the United States and Potential Environmental Implications” - USGS (TWR #137, Water Briefs: July 15, 2015)

SLIDING SCALE BASIS (LIMITATIONS):

Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What’s What & What’s Next by Paul S. Simmons (TWR #143: January 15, 2016)

SMALL SCALE HYDROPOWER:

Small Scale Hydropower & Ditch Easements: Colorado Decision Applies “No Injury Rule” and Maximum Use by David Moon (TWR #136: June 15, 2015)

SMALL-SYSTEM AQUIFER STORAGE & RECOVERY (ASR):

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

SMART GROWTH (Density):

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

“SMART” MONITORING:

In-Pipe Hydropower: Portland’s In-Pipe System Secures 20-Year Power Purchase Agreement by Jennifer Allen Newton (TWR #132: Feb. 15, 2015)

SMART SYSTEMS:

Energy-Positive Water Resource Recovery Workshop Report (TWR #142, Water Briefs: Dec. 15, 2015)

SNAKE RIVER BASIN:

Snake River Adjudication - Wild & Scenic Water Rights Settled (TWR #7, Water Briefs: Sept. 15, 2004)

[Idaho Groundwater Settlement - Purchase of Surface Rights \(TWR #9, Water Briefs: Nov. 15, 2004\)](#)

[Conjunctive Administration on the Eastern Snake River Plain by Phillip J. Rassier \(TWR #10: Dec. 15, 2004\)](#)

[Ground Water Right Transfers in the Snake River Plain, Idaho by Johnson, Harris, Contor and Cosgrove \(TWR #10: Dec. 15, 2004\)](#)

[Surface Water Users "Call" on Groundwater Rights in Idaho \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Nez Perce Settlement - Idaho \(TWR #14, Water Briefs: April 15, 2005\)](#)

[Idaho Conjunctive Use Order by David C. Moon \(TWR #15: May 15, 2005\)](#)

[Snake River Adjudication: The Nez Perce Agreement by Jerry R. Rigby \(TWR #18: August 15, 2005\)](#)

[Columbia River BiOps Order and Upper Snake Case \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Wastewater Discharge Permits: Pollutant Trading Allowed for Discharge \(TWR #29, Water Briefs, July 15, 2006\)](#)

[Idaho Conjunctive Use: Idaho Supreme Court Upholds Conjunctive Water Rights Administration Rules by Jeff Fereday \(TWR #40, June 15, 2007\)](#)

[City/EPA Settlement for Wastewater Treatment Violations \(CWA\) \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Salmon Protection in Northwest: Columbia/Snake River Latest BiOps Released \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Snake River Basin Adjudication: Lessons Learned by Eric J. Wildman \(TWR #68: Oct. 15, 2009\)](#)

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

[Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmén \(TWR #129: Nov. 15, 2014\)](#)

[River Basin Studies Announced by Reclamation: Imbalance of Supply, Needs & Demands \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Tribal Water Lease in Idaho: Storage Rights to Mitigate for Groundwater Use \(TWR #148, Water Briefs: June 15, 2016\)](#)

[SNOWMAKING:](#)

[Recycled Snowmaking - Wastewater Treatment to Ski Area \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[SNOWPACK \(see also CLIMATE CHANGE\):](#)

[Snow Survey Funds Jeopardy - Western States Water Council \(TWR #5, Water Briefs: July 15, 2004\)](#)

[Climate Change and Washington Water Law by David C. Moon \(TWR #18: August 15, 2005\)](#)

[Global Warming, The Hydrologic Cycle and Water Management by Brad Udall \(TWR #28, June 15, 2006\)](#)

[Tribal Religious Issue: Sewage Effluent Rejected for Snowmaking in Arizona \(TWR #38, Water Briefs: April 15, 2007\)](#)

[Climate Change and Water: IPCC Technical Paper VI by David Moon \(TWR #56: October 15, 2008\)](#)

[Water Management Alternatives: Incorporating "New" Water Management Methods at a Watershed Scale by Cat Shrier \(TWR #56: October 15, 2008\)](#)

[Climate Change and Water: IPCC Technical Paper VI by David Moon \(TWR #56: October 15, 2008\)](#)

[Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro \(TWR #63: May 15, 2009\)](#)

[USGS Unveils National Climate Change Viewer \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

["California Climate & Science Data for Water Resources Management" Released by CDWR \(TWR #137, Water Briefs: July 15, 2015\)](#)

[The Wyoming Water and Climate Web Atlas Released \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin \(TWR #139, Sept. 15, 2015\)](#)

[Climate Change Report on Oregon's Willamette Valley: Reclamation Reservoirs Buffer Impacts \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool \(TWR #146, Water Briefs: April 15, 2016\)](#)

[USGS Report on the Colorado River's Source: Importance of Groundwater As Base Flow \(TWR #148, Water Briefs: June 15, 2016\)](#)

SODIUM HYPOCHLORITE:

[Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug \(TWR #143: January 15, 2016\)](#)

SOIL CAP:

[Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi \(TWR #138, August 15, 2015\)](#)

SOIL ERODIBILITY:

[FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding \(TWR #140: Oct. 15, 2015\)](#)

[SOIL MOISTURE:](#)

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

[SOIL PERMEABILITY:](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

[SOIL WATER BALANCE & SOIL INFILTRATION \(SOIL HEALTH\):](#)

[Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert \(TWR #107: January 15, 2013\)](#)

[Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, \(TWR #122: April 15, 2014\)](#)

[Agriculture Conservation: USDA Regional Conservation Partnership Announced \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[SOLAR:](#)

[Floating Solar Program in Japan: Benefits of Floating Plants \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues \(TWR #145, Water Briefs: March 15, 2016\)](#)

["SOLE SOURCE" AQUIFERS:](#)

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill \(TWR #129: Nov. 15, 2014\)](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

["SOLICITED RESEARCH":](#)

[Water & Power: Reclamation Science & Technology Development Projects \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

["SOURCE AREAS":](#)

Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson (TWR #118, Dec. 15, 2013)

Drinking Water Mapping Application to Protect Source Waters (DWMAPS): Mapping Tool Released by EPA (TWR #145, Water Briefs: March 15, 2016)

SOURCE CONTROL:

Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase (TWR #108: Feb. 15, 2013)

SOURCE SUBSTITUTION or SOURCE SWITCHING (see also EXCHANGE OF WATER):

Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

SOURCE WATER or SOURCE OF WATER:

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Drought Proofing in Oklahoma: Water for 2060 (TWR #142, Water Briefs: Dec. 15, 2015)

Harmful Algal Blooms: EPA Releases Strategic Plan of Drinking Water (TWR #142, Water Briefs: Dec. 15, 2015)

Drinking Water Mapping Application to Protect Source Waters (DWMAPS): Mapping Tool Released by EPA (TWR #145, Water Briefs: March 15, 2016)

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

Using Graywater & Stormwater to Enhance Local Water Supplies: An Assessment of Risks, Costs, & Benefits Published (TWR #146, Water Briefs: April 15, 2016)

[Report on Water Available for Replenishment of Groundwater in California: Interim White Paper \(TWR #146, Water Briefs: April 15, 2016\)](#)

[SOUTH DAKOTA WATER LAW and WATER QUALITY:](#)

[Stormwater Settlement \(Failure to Obtain and Failure to Follow Provisions \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Wetlands Penalty Agreement in South Dakota: Illegal Fill Results in Clean Water Act Violations \(TWR #56, Water Briefs: October 15, 2008\)](#)

[Utilities Receive EPA Awards in South Dakota: Nonpoint Source Program & Safe Drinking Water \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Exempt Well Decision in South Dakota: Domestic v. Commercial Use \(Tribal Opposition\) \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[South Dakota Shutoff: Domestic & Stockwater Preference During Drought \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Groundwater Permits Legislation in South Dakota - Fully Appropriated Aquifers/Random Selection Process \(TWR #121, Water Briefs: March 15, 2014\)](#)

[SOUTHERN NEVADA WATER AUTHORITY \(see also NEVADA\):](#)

[Water Banking & Storage Agreement Between SNWA and MWD Supplements California Supplies During Drought \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[SOUTH PLATTE RIVER BASIN:](#)

[South Platte Well Crisis, 2002-2010: Evolving Alluvial Groundwater Regulation by P. Andrew Jones \(TWR #78: Aug. 15, 2010\)](#)

[South Platte Wells in Colorado: Over-Augmentation Damage Study Begins \(TWR #107, Water Briefs: January 15, 2013\)](#)

[South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom \(TWR #122: April 15, 2014\)](#)

[Colorado's Water Plan by Jayla Ryan Poppleton \(TWR #123: May 15, 2014\)](#)

[Clean Water Act Citizen Suit in Colorado - South Platte Pollution \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Aquifer Recharge & Flood Mitigation Collaboration in Nebraska \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones \(TWR #138, August 15, 2015\)](#)

[Water Plan Released in Colorado: Water Supply Strategies \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[SOVEREIGNTY and SOVEREIGN ACTS DOCTRINE:](#)

[Takings & Water Rights: Applicability of the Takings Clause to Water Rights Regulations \(Federal Circuit Developments\) by Walston \(TWR #93:](#)

Nov. 15, 2011)

Tribal Water Leasing: Federal Tribal Land Leasing Laws Should Be Extended to Tribal Water Leases by Ryan A. Smith (TWR #125: July 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Tribal Groundwater Case: Water Districts' Equitable Defenses Denied (TWR #145, Water Briefs: March 15, 2016)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

SOVEREIGN IMMUNITY (see also TRIBAL sections):

NPDES Permits & Water Transfers: Post-*Miccosukee* Court in Florida Finds NPDES Permit Necessary by Richard M. Glick (TWR #35: January 15, 2007)

Klamath Adjudication Update: Administrative Phase Complete - Judicial Review Beginning by Liljefelt & Schroeder (TWR #111: May 15, 2013)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

"SPECIAL CIRCUMSTANCES":

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

SPECIAL MASTER (see also COMPACTS):

Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon (TWR #132: Feb. 15, 2015)

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

SPECIES LISTINGS CRITERIA:

Endangered Species Act, Salmon & Western Water Law by Glenn Spain (TWR #1: March 15, 2004)

Hatchery Fish - Wild Fish Controversy: NOAA Draft Policy (TWR #3, Water Briefs: May 15, 2004)

Hatchery Fish/ Wild Fish Update: New Hatchery Policy Released (TWR #4, Water Briefs: June 15, 2004)

Hatchery Reform - Northwest Power and Conservation Council (TWR #6, Water Briefs: Aug. 15, 2004)

Federal Hatchery Policy - NMFS Call for Comments (TWR #9, Water Briefs: Nov. 15, 2004)

Hatchery Fish/Wild Fish Ruling: Remand to NMFS (TWR #12, Water Briefs: Feb. 15, 2005)

NOAA Hatchery Policy and Listing Determinations (TWR #17, Water Briefs: July 15, 2005)

Salmon Fishing Case Appealed to 9th Circuit (TWR #20, Water Briefs: October 15, 2005)

Orca Endangered Species Act Listing Challenged by Building Industry (TWR #24, Water Briefs: February 15, 2006)

Oregon Coast Coho ESA Listing Avoided - NOAA Withdraws Proposal (TWR #24, Water Briefs: February 15, 2006)

New Era of Interbasin Water Transfers by Barbara Cosens (TWR #72: Feb. 15, 2010)

SPECIFIC CAPACITY:

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

"SPECULATION" in Water Rights:

Speculation in Water Rights: Transfer Decisions by the Colorado Supreme Court and Special Status for Municipalities by Moon (TWR #20: October 15, 2005)

Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs (TWR #36, February 15, 2007)

"Post-Appropriation" Water Management: Colorado's Water for the 21st Century Act by George Sibley (TWR #42, August 15, 2007)

Municipal Water Law: Washington's Landmark Law Faces Challenges by Jeff B. Kray (TWR #44, Oct. 15, 2007)

Anti-Speculation Doctrine: Water Supply Planning Decision in Colorado (TWR #45, Water Briefs: Nov. 15, 2007)

Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer (TWR #50: April 15, 2008)

Anti-Speculation Article Response - Mesa Water LLP (TWR #52: June 15, 2008)

"Unquenchable: America's Water Crisis and What to Do About It" - Interview with Author Robert Glennon by David Moon, Editor (TWR #64: June 15, 2009)

"Reasonably Necessary" Water Supply Case in Colorado: Planning Period, Burden of Proof & "Speculative" Flows (TWR #69, Water Briefs: Nov. 15, 2009)

Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma (Sardis Reservoir) by Greetham (TWR #82: Dec. 15, 2010)

Speculation in Water Rights (Colorado): Public Utilities and Trout Unlimited Agreement Reached (TWR #83, Water Briefs: Jan. 15, 2011)

[Anti-Speculation Decision in Colorado: Need & Speculative Sales \(TWR #87, Water Briefs: May 15, 2011\)](#)

[Ag to Urban Transfer: No Injury Rule & Historical Use \(Colorado Decision\) \(TWR #88, Water Briefs: June 15, 2011\)](#)

[Speculative Use or Regional Provider: Company Applies for Massive Water Right in Oregon by David Moon \(TWR #94: Dec. 15, 2011\)](#)

[Construing Speculative Use: TCEQ Remands Million Acre-Foot Water Application for Brazos River Basin by David Moon, Editor \(TWR #96: Feb. 15, 2012\)](#)

[Speculation Denied by New Mexico State Engineer: Groundwater Application Rejected \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Speculation - ALJ Ruling in Oregon Overturns Agency Decision \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Water Transfers in the West by Carlee Brown \(TWR #107: January 15, 2013\)](#)

[Speculation Decision by Colorado Supreme Court: "Can and Will" Requirements Clarified \(TWR #113, Water Briefs: July 15, 2013\)](#)

[Utah Nuclear Plant Water Right Transfers Upheld by Court \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo \(TWR #119: Jan. 15, 2014\)](#)

[Speculation in Water: Application Rejected in Oregon by Water Resources Department \(TWR #122, Water Briefs: April 15, 2014\)](#)

[Groups Appeal Water Rights Decision for Nuclear Reactor Project \(Speculation, Availability & Stream Environment\) \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen \(TWR #129: Nov. 15, 2014\)](#)

[Speculation & Fracking: Transfer/Change Request Opposed in New Mexico \(TWR #131: Water Briefs, Jan. 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon \(TWR #141: Nov. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

[SPILL RESPONSE:](#)

[Crude Oil-By-Rail & the Endangered Species Act: Coming Soon to Train Tracks Near You? by Kristen L. Boyles \(TWR #136: June 15, 2015\)](#)

[SPLIT SEASON \(see also LEASING & INSTREAM FLOW\):](#)

[Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol \(TWR #121: March 15, 2014\)](#)

[Klamath Agreement - Upper Klamath Basin Comprehensive Agreement Reached \(TWR #121, Water Briefs: March 15, 2014\)](#)

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

SPREADING WASTEWATER:

[Oil & Gas Lawsuit: EPA Sued Regarding Regulations on Drilling & Fracking Wastes \(TWR #146, Water Briefs: April 15, 2016\)](#)

SPRING FLOOD FLOWS:

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

SPRING RUNOFF:

[Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey \(TWR #130: Dec. 15, 2014\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool \(TWR #146, Water Briefs: April 15, 2016\)](#)

SPRINGS:

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

SPRINKLER IRRIGATION - MANAGEMENT:

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

[Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon \(TWR #132: Feb. 15, 2015\)](#)

[Agriculture Conservation: USDA Regional Conservation Partnership Announced \(TWR #135, Water Briefs: May 15, 2015\)](#)

STANDARD OF REVIEW:

[Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz \(TWR #134: April 15, 2015\)](#)

"STANDING" Issue:

Coalbed Methane Water Case Dismissed and Appealed in Wyoming (TWR #53, Water Briefs: July 15, 2008)

Exempt Wells Decision in Washington: Feedlot Use Exempted Without Volume Restriction (TWR #75, Water Briefs: May 15, 2010)

Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill (TWR #76: June 15, 2010)

Clean Water Act Litigation: Avoiding and Responding to Third-Party Lawsuits by Jeff Kray & Meline MacCurdy (TWR #79, Sept. 15, 2010)

Water Rights & Grazing Activities on BLM Land: Decision Overturns Bush Administration Regulations (TWR #79, Water Briefs: Sept. 15, 2010)

Nebraska's Evolving Water Law: Challenges and Opportunities Part I by Mary E. Kelly (TWR #81: November 15, 2010)

Landowner Rights Decision: Standing to Challenge "Impaired Waters" 303(d) Listing Under Clean Water Act (TWR #85, Water Briefs: March 15, 2011)

Ninth Circuit: Reclamation Renewal of Water Supply Contracts from Bay-Delta Ecosystem Violated ESA (TWR #123, Water Briefs: May 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

STABILITY:

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

STATE DUTY:

Culvert Case Appeal in Washington: Tribal Fish Passage Decision Appealed by State to 9th Circuit (TWR #112, Water Briefs: June 15, 2013)

STATE v. FEDERAL AUTHORITY:

Oregon Coast Coho ESA Listing Avoided - NOAA Withdraws Proposal (TWR #24, Water Briefs: February 15, 2006)

State Authority & Hydropower: Supreme Court Affirms State Authority (*S.D. Warren v. Maine*) by Richard M. Glick (TWR #28, June 15, 2006)

Allocation of Water: Congressional Budget Office Report (TWR #32, Water Briefs: October 15, 2006)

National Forest Activities: Gold Mining Decision Has Wide Implications by David Moon (TWR #34: December 15, 2006)

Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources (TWR #34: December 15, 2006)

[Water Transfers and the Clean Water Act by Rick Glick \(TWR #36, February 15, 2007\)](#)

[Supreme Court Limits ESA: *National Homebuilders v. Defenders of Wildlife* by Richard M. Glick and Lindsay Eyler \(TWR #41: July 15, 2007\)](#)

[Water Delivery - Canals, Ditches and Pipelines: The Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton \(TWR #41: July 15, 2007\)](#)

[Nutrient Numeric Endpoints: Not Quite Ready for Prime Time? by Jeremy N. Jungreis and Scott Thomas \(TWR #42: August 15, 2007\)](#)

[Tribal Treaty Rights: Fish Passage Duty Decision by US District Court in Washington \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Toxic Discharges from Dams: Clean Water Act & Nuisance Lawsuits \(Klamath River\) \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Tribal "Treatment As State" - Oklahoma Tribes Face Special "Treatment" by David Moon and David Light \(TWR #52: June 15, 2008\)](#)

[Water Quality Ruling on Authority of California & FERC - Klamath Dams \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Water Needs and Strategies for a Sustainable Future: Next Steps: Western Governor's Report Released \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell \(TWR #56: October 15, 2008\)](#)

[Montana v. Wyoming: U.S. Supreme Court to Hear Yellowstone Compact Case by Karen Budd-Falen \(TWR #57: November 15, 2008\)](#)

[Hydroelectric Relicensing and Tribal Religious Claims: FERC's Increase of Minimum Flows Upheld by David C. Moon \(TWR #58: December 15, 2008\)](#)

[Litigation on the Colorado River: Conflicts in Search of Solutions by Michael Gheleta \(TWR #67: September 15, 2009\)](#)

[Snake River Basin Adjudication: Lessons Learned by Eric J. Wildman \(TWR #68: Oct. 15, 2009\)](#)

[Klamath Settlement Agreements: Part II by Glen Spain \(TWR #71: Jan. 15, 2010\)](#)

[Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt \(TWR #72: Feb. 15, 2010\)](#)

[New Era of Interbasin Water Transfers by Barbara Cosens \(TWR #72: Feb. 15, 2010\)](#)

[Colorado River: Quantification Settlement Agreement Invalidated \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill \(TWR #76: June 15, 2010\)](#)

[Tribal Water Rights: Current Issues & Relevant Background by Robert T. Anderson \(TWR #77: July 15, 2010\)](#)

[Oklahoma Storage Transfer Controversy: Tribal Nations & Local Interests Oppose the Transfer Agreement by David Moon, Editor \(TWR #80: Oct. 15, 2010\)](#)

[Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma \(Sardis Reservoir\) by Greetham \(TWR #82: Dec. 15, 2010\)](#)

[San Joaquin Fish Restoration Regulations Streamlined \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

Endangered Species Act, Take, and Water: *The Aransas Project v. Shaw, et al.* by Kathy Robb (TWR #85: March 15, 2011)

Water "Takings" Decision: Klamath Project Water Users Prevail by David Moon (TWR #85: March 15, 2011)

Hydraulic Fracturing Debate: The Long and Winding Road Towards Regulation by Bruce Baizel (TWR #90: August 15, 2010)

Water Rights & Regulatory Authority Issues: Chickasaw & Choctaw Nations File Lawsuit Opposing Water Transfer by David Moon (TWR #91: Sept. 15, 2011)

Basin of Origin Claim Denied by Federal Judge in California: Reclamation Prevails Over Tehama-Colusa Canal Authority (TWR #91, Water Briefs: Sept. 15, 2011)

Takings & Water Rights: Applicability of the Takings Clause to Water Rights Regulations (Federal Circuit Developments) by Walston (TWR #93: Nov. 15, 2011)

Stream Adjudication Authorization in Oklahoma: Sardis Lake Tribal Lawsuit Spurs State Action (TWR #95, Water Briefs: Jan. 15, 2012)

Oklahoma Adjudication Removed to Federal Court (TWR #98, Water Briefs: April 15, 2012)

Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs (TWR #100: June 15, 2012)

The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor (TWR #110: April 15, 2013)

Culvert Case Decided in Washington: Tribal Treaty Fishing Rights Victory by David Moon (TWR #110: April 15, 2013)

Texas ESA Decision on Whooping Crane Protection Draws Rebuttals: TCEQ & Texas Farm Bureau Weigh In (TWR #110, Water Briefs: April 15, 2013)

Indian Water Right Negotiations: Interior's Considerations When Appointing Federal Negotiation Teams by Duane Mecham (TWR #111: May 15, 2013)

Klamath Adjudication Update: Administrative Phase Complete - Judicial Review Beginning by Liljefelt & Schroeder (TWR #111: May 15, 2013)

Interstate Water Compacts: The US Supreme Court's *Tarrant* Decision and the Risk of Silence by Steven Richardson (TWR #116: Oct. 15, 2013)

Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson (TWR #117, Nov. 15, 2013)

Federal Power Act Preempts Damage Claims Under State Tort Law - Fifth Circuit Ruling (TWR #117, Water Briefs: Nov. 15, 2013)

Fish Passage & Treaty Obligations: Washington State "Culvert Case" Before the Ninth Circuit by David Moon (TWR #120: Feb. 15, 2014)

Climate Change & Public Trust Doctrine - Climate Change, Public Trust Doctrines & *PPL Montana* by Robin Kundis Craig (TWR #120: Feb. 15, 2014)

Tribal Water Lawsuit: Ownership of Water Rights in Montana - State v. Federal Jurisdiction (TWR #122, Water Briefs: April 15, 2014)

Fish Consumption Rates: Idaho DEQ Implementing Statewide Survey for Water Quality Criteria (TWR #123, Water Briefs: May 15, 2014)

USFS Direction for Groundwater Resources in Forests & Grasslands & Governors' Concerns (TWR #126, Water Briefs: Aug. 15, 2014)

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

Curtailments Lawsuit: Drought Emergency Decisions Contested in California by Water Users (TWR #129: Water Briefs, Nov. 15, 2014)

USFS Groundwater Directive: Western Governors' Ass'n Submits Commits Regarding Implications (TWR #129: Water Briefs, Nov. 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation by Molly Lawrence (TWR #131: Jan. 15, 2015)

Colorado Water Plan Draft Released (TWR #132, Water Briefs: Feb. 15, 2015)

Fish Consumption Rule & Toxics Standards Proposal for Washington (TWR #132, Water Briefs: Feb. 15, 2015)

The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon (TWR #134: April 15, 2015)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

“Waters of the US” Definition: Preliminary Injunction Stops Application of New EPA/Army Corps Rule by David Moon (TWR #139, Sept. 15, 2015)

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

Fish Consumption Rule Drafted by Washington's Ecology: State v. Federal Clean Water Act Rules (TWR #141, Water Briefs: Nov. 15, 2015)

Suction Dredging Moratorium Upheld in Oregon (TWR #146, Water Briefs: April 15, 2016)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

STATE v. LOCAL CONTROL:

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon (TWR #128, Oct. 15, 2014)

The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon (TWR #134: April 15, 2015)

California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem (TWR #135: May 15, 2015)

STATEMENT OF REASONS:

“Underground Regulation” — Agency Rulemaking & the California Administrative Procedures Act by Damien Schiff (TWR #133: March 15, 2015)

STATE POLICY:

Instream Flow Rights Decision in Colorado: State Agency Authority Upheld - Policy of Preserving Natural Environment (TWR #135, Water Briefs: May 15, 2015)

STATE TRUST LANDS:

State Trust Lands Decision by Arizona Supreme Court - No Federal Reserved Rights (TWR #104, Water Briefs: Oct. 15, 2012)

STATE WATER PROJECT (California) - see also CALIFORNIA WATER RIGHTS:

Bay Delta Conservation Plan Released for Public Review - California & Federal Partners (TWR #119, Water Briefs: Jan. 15, 2014)

The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt (TWR #134: April 15, 2015)

Water Purchases: Metropolitan Water District's Board Authorizes \$71 Million for Ag Water Transfers & Promotes Conservation (TWR #134, Water Briefs: April 15, 2015)

San Joaquin Sinking: NASA Subsidence Study (TWR #139, Water Briefs: Sept. 15, 2015)

STATUTE OF LIMITATIONS:

"Taking" Decision in US Court of Federal Claims (Beneficial Use & Damages) (TWR #95, Water Briefs: Jan. 15, 2012)

Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo (TWR #119: Jan. 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

"Takings" Case Upheld for Groundwater Protection from Regulation in Texas (TWR #135, Water Briefs: May 15, 2015)

Texas Takings Case: Procedural Rulings - Claims Dismissed (TWR #137, Water Briefs: July 15, 2015)

STATUTORY CONSTRUCTION or INTERPRETATION:

Groundwater Rules Invalid: Deschutes Mitigation (TWR #16, Water Briefs: June 15, 2005)

Groundwater Augmentation: Conjunctive Use Decision by Colorado Supreme Court (TWR #29, Water Briefs: July 15, 2006)

Water Transfers and the Clean Water Act by Rick Glick (TWR #36, February 15, 2007)

BPA Closing of Fish Passage Center Rejected by 9th Circuit (TWR #36, Water Briefs: February 15, 2007)

[Instream Flow Restoration: Cooperative, Free-Market Solutions in Oregon by Fritz Paulus \(TWR #43, Sept. 15, 2007\)](#)

[Domestic Wells in New Mexico: Senior Water Rights Protected in Court Decision \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Tribes & Effluent Snowmaking Case: Religious Claims Rejected - "Substantial Burden" Key Requirement by David Moon \(TWR #55: September 15, 2008\)](#)

[SUPERFUND Liability: "Arranged for Disposal" and PRP\(s\) - Supreme Court Victory for Shell Oil Company \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Tribal Liability: Decision Holds No CERCLA Liability Against Tribes in Transboundary Case \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Unsustainable Stockwater Exemptions: Washington Experience Illustrates Exempt Well Contentions by Rachael Paschal Osborn \(TWR #71: Jan. 15, 2010\)](#)

[Colorado River: Quantification Settlement Agreement Invalidated \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Water Rights: Las Vegas Water Applications in Jeopardy Following Nevada Supreme Court Ruling \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Tribal Surface Water Rights: Hydraulic Connection Equals Protection - Groundwater Impacts & Federal Jurisdiction by David C. Moon \(TWR #75: May 15, 2010\)](#)

[EPA Proposes New Permit Requirements for Pesticide Discharges \(TWR #76, Water Briefs: June 15, 2010\)](#)

[California Water Regulation: Farm Bureau Challenges State Fish & Game Department Authority by Joseph M. Carpenter \(TWR #77: July 15, 2010\)](#)

[Water Ruling Reversed: New Nevada Supreme Court Decision \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Basin of Origin Claim Denied by Federal Judge in California: Reclamation Prevails Over Tehama-Colusa Canal Authority \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Exempt Well Decision in Washington: Stockwater Exemption Unlimited \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[Mining Law & the Endangered Species Act Decision - Section 7 Consultation Required \(TWR #100, Water Briefs: June 15, 2012\)](#)

[Water Rights Forum - Subject Matter Jurisdiction Decision in Nevada \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Fracking Disclosure: Trade Secrets Protected in Wyoming \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Mountain-Top Mining: EPA Post-Permit Veto Authority Upheld \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Interstate Water Compacts: The US Supreme Court's *Tarrant* Decision and the Risk of Silence by Steven Richardson \(TWR #116: Oct. 15, 2013\)](#)

[Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson \(TWR #118, Dec. 15, 2013\)](#)

[Fish Passage & Treaty Obligations: Washington State "Culvert Case" Before the Ninth Circuit by David Moon \(TWR #120: Feb. 15, 2014\)](#)

[Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge \(TWR #123: May 15, 2014\)](#)

[Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors \(TWR #124: June 15, 2014\)](#)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Preferences During Shortage Rejected in Texas - "Senior" Water Rights Protected (TWR #135, Water Briefs: May 15, 2015)

Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon (TWR #141: Nov. 15, 2015)

STAY ISSUES:

Klamath Adjudication - The Judicial Phase Begins: New Era in Oregon's Contentious Water History by MacDougal, Orford & Timmons (TWR #113: July 15, 2013)

STEADY STATE CONDITION:

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

STEAM ELECTRIC EFFLUENT:

Steam Electric Plants Toxic Pollutants Discharges: Rule Finalized by EPA (TWR #140, Water Briefs: Oct. 15, 2015)

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STEAM ELECTRIC POWER:

EPA Proposing to Amend Effluent Limitations Guidelines & Standards for Steam Electric Power Generating (TWR #111, Water Briefs: May 15, 2013)

Steam Electric Plants Toxic Pollutants Discharges: Rule Finalized by EPA (TWR #140, Water Briefs: Oct. 15, 2015)

"STEVENS TREATIES":

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

STIMULUS FUNDS:

Stimulus Bill Infrastructure Funds: Energy, Transportation & Water Projects by Svend Brandt-Erichsen (TWR #61: March 15, 2009)

American Recovery & Reinvestment Act of 2009: Federal Water & Environment Funding (TWR #61, Water Briefs: March 15, 2009)

Response to Drought in California: Federal Drought Action Team (TWR #61, Water Briefs: March 15, 2009)

Balancing Resource Protection & Economic Development: An Early Assessment of Emerging Water Policies in the Obama Administration by Sensiba & Swenson (TWR #66: August 15, 2009)

Water Resources & Environment - Legislative Update from Washington, D.C.: Conversations with Ryan C. Seiger, Staff Director for the US House Subcommittee on Water Resources and Environment by Joan Card (TWR #80: Oct. 15, 2010)

STOCKPONDS:

Stockpond/Reservoir Permits: Enforcement Effort by the California Water Resources Board (TWR #103, Water Briefs: Sept. 15, 2012)

Measuring & Reporting in California: Diversion Regulations Adopted (TWR #144, Water Briefs: Feb. 15, 2016)

Stock Pond Permit Settlement: EPA & Landowners Settle Clean Water Act Lawsuit (TWR #148, Water Briefs: June 15, 2016)

STOCKWATER RIGHTS (see also PREFERENCES):

Idaho Conjunctive Use: Idaho Supreme Court Upholds Conjunctive Water Rights Administration Rules by Jeff Fereday (TWR #40, June 15, 2007)

Snake River Basin Adjudication: Lessons Learned by Eric J. Wildman (TWR #68: Oct. 15, 2009)

Unsustainable Stockwater Exemptions: Washington Experience Illustrates Exempt Well Contentions by Rachael Paschal Osborn (TWR #71: Jan. 15, 2010)

Exempt Wells Decision in Washington: Feedlot Use Exempted Without Volume Restriction (TWR #75, Water Briefs: May 15, 2010)

Exempt Wells Decision in Washington (Stockwater) - Correction (TWR #76, Water Briefs: June 15, 2010)

Exempt Well Decision in South Dakota: Domestic v. Commercial Use (Tribal Opposition) (TWR #78, Water Briefs: Aug. 15, 2010)

Illegal Use of Well: Commercial Use of Domestic Well in New Mexico (TWR #80, Water Briefs: Oct. 15, 2010)

Exempt Well Decision in Washington: Stockwater Exemption Unlimited (TWR #95, Water Briefs: Jan. 15, 2012)

Watershed Restoration Success: Nonpoint Sources Addressed - EPA Section 319 Program (TWR #99, Water Briefs: May 15, 2012)

South Dakota Shutoff: Domestic & Stockwater Preference During Drought (TWR #102, Water Briefs: August 15, 2012)

Stockpond/Reservoir Permits: Enforcement Effort by the California Water Resources Board (TWR #103, Water Briefs: Sept. 15, 2012)

Nonpoint Source Pollution: Restoration Success in Texas Using Voluntary BMPs (TWR #103, Water Briefs: Sept. 15, 2012)

Instream Water Rights in California: Tribes Criticize USFS' Endangered Species Act Inaction (TWR #105, Water Briefs: Nov. 15, 2012)

Priority Regulation in Texas - Brazos River Call (TWR #106, Water Briefs: Dec. 15, 2012)

Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson (TWR #117, Nov. 15, 2013)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Klamath Basin Regulation: Time Immemorial Instream Rights of Tribes Protected (TWR #139, Water Briefs: Sept. 15, 2015)

Measuring & Reporting in California: Diversion Regulations Adopted (TWR #144, Water Briefs: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

Stock Pond Permit Settlement: EPA & Landowners Settle Clean Water Act Lawsuit (TWR #148, Water Briefs: June 15, 2016)

STORAGE CAPACITY:

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

STORAGE CHARACTERISTICS:

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Reservoir Evaporation Losses in the West Studied (TWR #143, Water Briefs: Jan. 15, 2016)

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

STORAGE CREDITS:

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)

Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

Water Banking & Storage Agreement Between SNWA and MWD Supplements California Supplies During Drought (TWR #140, Water Briefs: Oct.

15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Liquid Assets: Investing for Impact in the Colorado Basin - Investment Blueprint Released (TWR #146, Water Briefs: April 15, 2016)

STORAGE & DISCHARGE:

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

STORAGE & DAMS (See also HYDROPOWER):

Groundwater Rights in Blended Basins: Storage, Ownership, Overdraft & Takings by Kevin O'Brien (TWR #3: May 15, 2004)

Montana - Wyoming Water Fight Brewing? (TWR #4, Water Briefs: June 15, 2004)

BPA Summer Spill Decision - Tribes Prepare Litigation Contesting (TWR #5, Water Briefs: July 15, 2004)

NOAA Dam Settlement With Rancher - ESA Violations (TWR #5, Water Briefs: July 15, 2004)

BPA Spill Controversy - 9th Circuit Compels Spill for Fishery (TWR #6, Water Briefs: Aug. 15, 2004)

Klamath Update: Water Purchases, Storage Initiative, ESA Five-Year Review, FY 2005 Budget and BOR "Water Bank" (TWR #7, Water Briefs: Sept. 15, 2004)

Water Quality Standards: 9th Circuit Holding on Dam Operations (TWR #8, Water Briefs: Oct. 15, 2004)

Aquifer Storage Recovery: Expanding Possibilities in the Western United States by Cat Shrier (TWR #8: Oct. 15, 2004)

Easements On and Over Federal Lands by Daniel H. Israel (TWR #8: Oct. 15, 2004)

FERC Hydropower Rule - Comments and Controversy (TWR #8, Water Briefs: Oct. 15, 2004)

CalFED Bill Signed: Funding and Restoration/Storage Projects (TWR #9, Water Briefs: Nov. 15, 2004)

Water Storage - Washington State Projects (TWR #9, Water Briefs: Nov. 15, 2004)

Reservoir Expansion on the Yampa and Instream Flows (TWR #12, Water Briefs: Feb. 15, 2005)

Law of the Rio Grande (Report from the 6th Annual Conference) by David Moon (TWR #13: March 15, 2005)

The Colorado River - Has It Run Out of Water? by Lawrence J. MacDonnell (TWR #16: June 15, 2005)

- Dams and Salmon: Judge Rejects BiOp by David C. Moon (TWR #16: June 15, 2005)
- Drought Relief: Reservoir Storage in New Mexico (TWR #16, Water Briefs: June 15, 2005)
- Climate Change and Washington Water Law by David C. Moon (TWR #18: August 15, 2005)
- Reclamation Study: Potential Hydroelectric and Water Supply Projects in the Western United States (TWR #22, Water Briefs: Dec. 15, 2005)
- Red River Valley Project: Draft EIS Released (TWR #23, Water Briefs: Jan. 15, 2006)
- Columbia River Water Management Plan: Emphasizing Water Storage and Conservation by David C. Moon (TWR #25: March 15, 2006)
- Purpose of Use Change in Bureau of Reclamation Project: Irrigation to Domestic Use in Colorado (TWR #26, Water Briefs: April 15, 2006)
- Pecos River Lawsuit Filed - ESA Violations Alleged Against Bureau of Reclamation and Corps of Engineers (TWR #26, Water Briefs: April 15, 2006)
- Shasta Lake Options Included in Reclamation's Scoping Report (TWR #27, Water Briefs: May 15, 2006)
- Navajo Reservoir FEIS Completed - Flow Recommendations and Authorized Purposes (TWR #27, Water Briefs: May 15, 2006)
- State Authority & Hydropower: Supreme Court Affirms State Authority (*S.D. Warren v. Maine*) by Richard M. Glick (TWR #28, June 15, 2006)
- Long-Range Water Planning: Comprehensive Process in Central Oregon's Deschutes Basin by Bruce Aylward and David Newton (TWR #29: July 15, 2006)
- Colorado River Program: "Intentionally Created Surplus" (TWR #29, Water Briefs: July 15, 2006)
- The Colorado River: New Operational Guidelines for Lake Powell and Lake Mead by Fulp, Yoder and Blatchford (TWR #33: Nov. 15, 2006)
- Arizona Groundwater Law by L. William Staudenmaier (TWR #33: Nov. 15, 2006)
- Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources (TWR #34: December 15, 2006)
- New Reclamation Reservoir Approved for Colorado River Water (TWR #35, Water Briefs: Jan.. 15, 2007)
- Colorado River Agreement & Southern California Water by William Hasencamp (TWR #39: May 15, 2007)
- Colorado River Basin Agreement (Editor's Addendum) (TWR #39: May 15, 2007)
- Idaho Conjunctive Use: Idaho Supreme Court Upholds Conjunctive Water Rights Administration Rules by Jeff Fereday (TWR #40, June 15, 2007)
- Columbia River Hydrosystem BiOp: 9th Circuit Upholds Rejection of 2004 BiOp by Mark L. Stermitz (TWR #40, June 15, 2007)
- Instream Flow Reduction Approved for Drought Response (TWR #40, Water Briefs; June 15, 2007)
- US Army Corps Dam Safety Report Issued for Wolf Creek Dam (TWR #40, Water Briefs; June 15, 2007)
- Water Storage Purchase by State of Colorado for Fishing & Recreation (TWR #41, Water Briefs: July 15, 2007)
- New Dam Study for Off-Channel Storage by Ecology & Reclamation (TWR #41, Water Briefs: July 15, 2007)

[Colorado River Shortages: Reclamation Preferred Alternative \(TWR #42, Water Briefs: August 15, 2007\)](#)

[Irrigation System Efficiency: Emerging Technologies by Mac McKee \(TWR #46: December 15, 2007\)](#)

[Hydropower and Fish - Northwest Challenge: Keeping Fish and Clean Hydro by F. Lorraine Bodi and Dulcy Mahar \(TWR #47: January 15, 2008\)](#)

[Colorado River Record of Decision Signed - Agreement on Shortage Criteria and Innovative Strategies \(TWR #47, Water Briefs: January 15, 2008\)](#)

[Tribal Water Sale: Tribes, Reclamation & Washington Partnership \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Georgia Water Battle: Corps Authorization Decision \(TWR #49, Water Briefs: March 15, 2008\)](#)

[Rio Grande Settlement Between New Mexican & Texan Irrigation Districts: Dispute Over Interstate Surface & Groundwater by Moon \(TWR #50: April 15, 2008\)](#)

[Reservoir Permits in Washington: Inventory of Small Dams and Dam Safety Compliance \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Water Quality Section 401 Certification: Avista Dams and FERC Relicensing \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Multi-Use Reservoir Analysis: Rio Grande Reservoir by Matthew Bliss \(TWR #51: May 15, 2008\)](#)

[Southeast Water Sharing Plan Proposed by Reclamation \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Truckee River Operating Agreement Signed: Nevada & California Impacts \(TWR #55, Water Briefs: September 15, 2008\)](#)

[Fish Passage on Deschutes River Dam in Oregon: \\$108 Million Underwater Tower \(TWR #55, Water Briefs: September 15, 2008\)](#)

[Water Management Alternatives: Incorporating "New" Water Management Methods at a Watershed Scale by Cat Shrier \(TWR #56: October 15, 2008\)](#)

[Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell \(TWR #56: October 15, 2008\)](#)

[Montana v. Wyoming: U.S. Supreme Court to Hear Yellowstone Compact Case by Karen Budd-Falen \(TWR #57: November 15, 2008\)](#)

[Water Legislation Options Identified in California: California Legislative Analyst's Office \(LAO\) Report \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Groundwater Recharge Funding Approved by Idaho Water Board \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Groundwater Recharge Upheld in Arizona: "Takings" and Tort Claims Denied \(TWR #58, Water Briefs: December 15, 2008\)](#)

[California Water Supply: Challenges and Solutions by Dr. Cat Shrier \(TWR #59: Jan. 15, 2009\)](#)

[Yakima River Basin Water Storage Feasibility Study EIS: Black Rock Dam Economically Unjustifiable \(TWR #59, Water Briefs: Jan. 15, 2009\)](#)

[Inventory of Potential Below Ground Storage Sites Report Released by Oregon Water Resources Department \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Pecos River Compact Compliance: New Mexico's Compliance Program Meets With Success by James C. Brockmann \(TWR #61: March 15, 2009\)](#)

[Lake Roosevelt Incremental Storage Release Project - Draft EA Released by Reclamation \(TWR #62, Water Briefs: April 15, 2009\)](#)

Ecomarket Approaches to Addressing Water Quality Obligations: Legal Overview and the Hells Canyon Test Case by Glick & Nocar (TWR #63: May 15, 2009)

Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro (TWR #63: May 15, 2009)

New Water Laws in New Mexico: Water Management and State Engineer's Authority (TWR #63, Water Briefs: May 15, 2009)

Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge (TWR #64: June 15, 2009)

Yellowstone River Compact: *Montana v. Wyoming*-Special Master Rules on Water Rights Issues & Denies Motion to Dismiss by Moon (TWR #65: July 15, 2009)

Reclamation Pumping in Central Valley (CA) - NOAA BiOp Finds Jeopardy and BiOp Appealed (TWR #65, Water Briefs: July 15, 2009)

The Republican River Compact: Conflict & Arbitration by Justin D. Lavene and Marcus A. Powers (TWR #68: Oct. 15, 2009)

Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith (TWR #69: Nov. 15, 2009)

Klamath Settlement Agreements: Part II by Glen Spain (TWR #71: Jan. 15, 2010)

Desalination Pilot Run: Yuma Desalting Plant (TWR #71, Water Briefs: Jan. 15, 2010)

Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt (TWR #72: Feb. 15, 2010)

New Era of Interbasin Water Transfers: Part II by Barbara Cosens (TWR #73: March 15, 2010)

Yuma Desalting Plant Pilot Program Started/ DROP 2 Storage Reservoir Celebration (TWR #75, Water Briefs: May 15, 2010)

Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill (TWR #76: June 15, 2010)

Northwest Water Marketing: Re-Allocating Water in the Pacific Northwest by Richard A. Slaughter (TWR #77: July 15, 2010)

Oklahoma Water Storage: Tribal Concerns Raised - Municipalities Purchase Reclamation Project by David Moon, Editor (TWR #79, Sept. 15, 2010)

Oklahoma Storage Transfer Controversy: Tribal Nations & Local Interests Oppose the Transfer Agreement by David Moon, Editor (TWR #80: Oct. 15, 2010)

Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak (TWR #81: November 15, 2010)

Nebraska's Evolving Water Law: Challenges and Opportunities Part I by Mary E. Kelly (TWR #81: November 15, 2010)

Water Purchase in Washington (\$14 Million): Municipal and Instream Uses (TWR #81, Water Briefs: Nov. 15, 2010)

Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma (Sardis Reservoir) by Greetham (TWR #82: Dec. 15, 2010)

Nebraska's Evolving Water Law: Challenges & Opportunities - Part II by Mary E. Kelly (TWR #82: Dec. 15, 2010)

Key Tribal Water Developments in the Pacific Northwest by Duane Mecham (TWR #83: Jan. 15, 2011)

[Surface Storage Investigations Progress Report Released by California Division of Water Resources \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Water Storage Rule in Washington: Processing Expedited \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Hydraulic Fracturing & Drinking Water: EPA's Plan to Study Impacts of Hydraulic Fracturing - Debate Intensifies by Orford \(TWR #85: March 15, 2011\)](#)

[Anti-Speculation Decision in Colorado: Need & Speculative Sales \(TWR #87, Water Briefs: May 15, 2011\)](#)

[Multi-Sector Water Sharing \(Agri-Urban-Enviro\): Innovative Strategies for the Colorado River Basin & the West by Smith \(TWR #88: June 15, 2011\)](#)

[Ag to Urban Transfer: No Injury Rule & Historical Use \(Colorado Decision\) \(TWR #88, Water Briefs: June 15, 2011\)](#)

[Porosity Storage Reservoirs: A 21st Century Solution for Water Storage by Matt Metcalf & William H. Fronczak \(TWR #89: July 15, 2011\)](#)

[Lake Lanier Ruling in the Southeast: Reclamation Reservoir & "Water Supply" Purpose 11th Circuit Decision \(TWR #89, Water Briefs: July 15, 2011\)](#)

[*Colorado River Basin Supply & Demand Study* by Carly Jerla, Terry Fulp, and Pam Adams \(TWR #90: August 15, 2010\)](#)

[Aquifer Storage & Recovery: Advantages, Challenges, Applications & Approaches for Expanding ASR in the West by Burt and Barry \(TWR #91: Sept. 15, 2011\)](#)

[Lake Roosevelt Drawdown Upheld: Reclamation Project Approved by Ninth Circuit \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Oregon's Water Conservation, Re-use and Storage Grant Program Funded \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses by Drew Beckwith \(TWR #93: Nov. 15, 2011\)](#)

[Colorado River Basin Irrigation: The Future of Irrigation Organizations in the Colorado River Basin by Dr. Ron Griffin and Mary Kelly \(TWR #95: Jan. 15, 2012\)](#)

[Construing Speculative Use: TCEQ Remands Million Acre-Foot Water Application for Brazos River Basin by David Moon, Editor \(TWR #96: Feb. 15, 2012\)](#)

[Municipal Water Resources & Regional Planning: The Prairie Waters Project - Aurora, Colorado by Lisa Darling \(TWR #98: April 15, 2012\)](#)

[Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs \(TWR #100: June 15, 2012\)](#)

[Colorado Basin Study - Basin Water Supply & Demand Study Update by Carly Jerla, James Prairie, & Pam Adams \(TWR #100: June 15, 2012\)](#)

[Surplus Water in Reclamation Projects: Corps Pricing Policy Being Developed \(M&I Use Included\) \(TWR #100, Water Briefs: June 15, 2012\)](#)

[The Columbia River, Basin, and Treaty: Upcoming Treaty Date is Focussing Basin Water Management Issues by Stan Miller \(TWR #101: July 15, 2012\)](#)

[Request for Water 2012: Pilot Leasing Program in Colorado \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Stored Water Release Planned to Supplement Klamath River Flows to Avoid Fish Kills: Reclamation Findings \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Stockpond/Reservoir Permits: Enforcement Effort by the California Water Resources Board \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[Arizona Groundwater Management by Sharon B. Megdal \(TWR #104: Oct. 15, 2012\)](#)

[Purchases of Reservoir Storage by Various Buyers in Colorado \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie \(TWR #105: Nov. 15, 2012\)](#)

[The Future of the Columbia River Treaty by Nigel Bankes, University of Calgary & Barbara Cosens \(TWR #105: Nov. 15, 2012\)](#)

[Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity \(TWR #106: Dec. 15, 2012\)](#)

[Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson \(TWR #106: Dec. 15, 2012\)](#)

[Storage to Retention: Expanding California's Options for Meeting Its Water Needs - Roundtable on Water & Food Supply \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Colorado River Management: Planning, Agreeing & Acting by Ted Kowalski \(TWR #107: January 15, 2013\)](#)

[The Colorado River Basin Water Supply and Demand Study Released by Reclamation \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Shasta Lake Water Resources Investigation - Comment Period Extended \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Conjunctive Management of Surface & Ground Water in Idaho \(Public-Private Partnerships\) by Tuthill, Rassier & Anderson \(TWR #108: Feb. 15, 2013\)](#)

[Yakima Water Plan: The Other Side of the Story by Evans, Forsgaard, Maykut & Packard \(TWR #108: Feb. 15, 2013\)](#)

[Author's Reply \(Yakima Water Plan\) by Steve Malloch and Michael Garrity \(TWR #108: Feb. 15, 2013\)](#)

[Umatilla Basin Aquifer Restoration Project: New Management Model at the Crossroads by Martha Pagel \(TWR #109: March 15, 2013\)](#)

[North Platte Regulation to Protect Storage Rights in Wyoming: Priority Administration in Effect \(TWR #109, Water Briefs: March 15, 2013\)](#)

["Takings" Claim Denied in *Casitas* Case: Beneficial Use & Injury Alleged \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Republican River Compact Call in Nebraska: Bureau of Reclamation Responds to Nebraska DNR Order \(TWR #110, Water Briefs: April 15, 2013\)](#)

["Acquavella V" Decision Issued in Washington State Adjudication \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Water "Call" Agreement in Colorado - Senior Rights "Relaxed" to Allow Storage \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Southern Nevada Water Authority Article: Low Winter Flows in the Colorado River & Projected Shortages \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Reclamation Announces Actions & Strategies to Improve Water Supplies for California's Central Valley Project \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Republican River Compact Compliance: Storage Releases by Nebraska \(States Fail to Reach Future Access Agreement\) \(TWR #111, Water Briefs: May 15, 2013\)](#)

[The "Fill Mead First" Proposal: Potential Legal Issues Under the Law of the River by Lawrence J. MacDonnell \(TWR #112: June 15, 2013\)](#)

Klamath BiOp - Operations of Klamath Project Through 2023 Announced by Reclamation (NMFS & USFWS BiOp) (TWR #112, Water Briefs: June 15, 2013)

The Southern Delivery System - Getting to the Finish Line: Planning, Permitting & Constructing by John A. Fredell (TWR #113: July 15, 2013)

"Addressing Mexico's Water Deficit to the United States" - Report Released by Texas Officials Concerning the Rio Grande (TWR #113, Water Briefs: July 15, 2013)

Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)

CSKT Water Rights Compact Unratified: Montana Legislature Refuses to Ratify Confederated Salish and Kootenai Tribes Compact by Weiner & Stermitz (TWR #114: August 15, 2013)

Acquavella Update: Washington's 36-Year Old Water Rights Adjudication Nears An End by Jeff Kray (TWR #115: Sept. 15, 2013)

Colorado River Management & Drought: Lake Powell Releases to be Lowered Significantly by David Moon, Editor (TWR #115: Sept. 15, 2013)

Arkansas Valley Conduit in Colorado: Regional Water Pipeline Project - Condensed/Edited from US Bureau of Reclamation Documents (TWR #115: Sept. 15, 2013)

Mono Lake Settlement in California Addresses Tributary Streamflows & Other Actions (TWR #115, Water Briefs: Sept. 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Columbia River Treaty Review: Update & Next Steps (From the US Entity) - Special to The Water Report (TWR #117, Nov. 15, 2013)

Klamath Basin Coordinating Council Releases Third Annual Report (TWR #117, Water Briefs: Nov. 15, 2013)

U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service (TWR #118, Dec. 15, 2013)

Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson (TWR #118, Dec. 15, 2013)

Utah Nuclear Plant Water Right Transfers Upheld by Court (TWR #118, Water Briefs: Dec. 15, 2013)

Northwest Climate Assessment Report Released by Oregon Climate Change Research Institute (TWR #118, Water Briefs: Dec. 15, 2013)

ESA Settlement by Karuk Tribe & Irrigation District: Dams & Diversions on Shasta River (TWR #119, Water Briefs: Jan. 15, 2014)

Stream Flow Enhancement/Groundwater Mitigation in Washington - Stormwater Capture & Groundwater Recharge (TWR #120, Water Briefs: Feb. 15, 2014)

California Water Action Plan Released (TWR #120, Water Briefs: Feb. 15, 2014)

Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol (TWR #121: March 15, 2014)

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

Instream Use Change: irrigation to instream Transfer in Nevada Approved by State Engineer (TWR #122, Water Briefs: April 15, 2014)

Colorado's Water Plan by Jayla Ryan Poppleton (TWR #123: May 15, 2014)

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

The Columbia River Treaty: September 16 Pivot Point for the Future of the Columbia River Basin by Eric Christensen (TWR #125: July 15, 2014)

Aquifer Recharge - Water Banking Paper by Arizona WRRC (TWR #125, Water Briefs: July 15, 2014)

Rivers and Carbon - USGS Study (TWR #125, Water Briefs: July 15, 2014)

Conservation Plan: Colorado River System Conservation Program Agreement (Reclamation & Municipal Water)(TWR #126, Water Briefs: Aug. 15, 2014)

Dam Pollution Settlement: Oil Leakage at Columbia & Snake River Dams and the Clean Water Act (TWR #126, Water Briefs: Aug. 15, 2014)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Reclamation Increases Flow Releases - Lower Klamath River Supplement from Trinity Reservoir (TWR #127, Water Briefs: Sept. 15, 2014)

Flow Augmentation Releases (Trinity Reservoir): Reclamation Releases for Salmon Protection Lower Klamath River (TWR #128, Water Briefs, Oct. 15, 2014)

Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases (TWR #128, Water Briefs, Oct. 15, 2014)

Shopping for Water: How the Market Can Mitigate Water Shortages in the American West - The Hamilton Project Paper (TWR #129: Water Briefs, Nov. 15, 2014)

Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

Lessons Learned from Aquifer Storage and Recovery (ASR) Systems in the US (Paper) (TWR #130: Water Briefs, Dec. 15, 2014)

Interstate Water Dispute: Florida v. Georgia in the Supreme Court (TWR #130: Water Briefs, Dec. 15, 2014)

Intergovernmental Panel on Climate Change (IPCC) 5th Synthesis Report (TWR #130: Water Briefs, Dec. 15, 2014)

Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly (TWR #131: Jan. 15, 2015)

Integrating Storage in California's Changing Water System: Storage and Water Management Report (TWR #131: Water Briefs, Jan. 15, 2015)

[Benefit-Cost Analysis of the Yakima Basin Integrated Plan Projects \(TWR #131: Water Briefs, Jan. 15, 2015\)](#)

[Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon \(TWR #132: Feb. 15, 2015\)](#)

[Colorado Water Plan Draft Released \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[West Coast ESA Challenges: The View from NOAA Fisheries \(Regional Administrator William Steele's Presentation\) by David Light \(TWR #133: March 15, 2015\)](#)

[Wyoming's Water Strategy: State Water Planning \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Water Resource Issues in the 114th Congress-Congressional Research Service Report \(TWR #133, Water Briefs: March 15, 2015\)](#)

[The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt \(TWR #134: April 15, 2015\)](#)

[Water Purchases: Metropolitan Water District's Board Authorizes \\$71 Million for Ag Water Transfers & Promotes Conservation \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

[Authors' Responses: Yakima River Basin Integrated Plan \(TWR #135: May 15, 2015\)](#)

[Water Transfers Program by Reclamation Proposed for Voluntary Water Transfers in California \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Urban Water Conservation in Southern California: Encouraging Conservation Through Tradeable Allocations & Market Mechanisms by Bond, Motlow, Steely, Wang & Libecap \(TWR #136: June 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones \(TWR #138, August 15, 2015\)](#)

[Muni-to-Farm Water in California: North Valley Recycled Water Program \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Water Banking & Storage Agreement Between SNWA and MWD Supplements California Supplies During Drought \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Reuse & Storage Conservation Program: Oregon Soliciting Comments on Applications for Grant Program \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[War and Peace Over the Niobrara River by Don Blankenau \(TWR #142: Dec. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Water Plan Released in Colorado: Water Supply Strategies \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

Transboundary Cooperation in the International Columbia River Basin: A Preliminary Assessment of Existing Arrangements & Future Prospects (TWR #142, Water Briefs: Dec. 15, 2015)

Truckee River Operating Agreement Begins: Interstate Allocations (TWR #143, Water Briefs: Jan. 15, 2016)

Climate Change Report on Oregon's Willamette Valley: Reclamation Reservoirs Buffer Impacts (TWR #143, Water Briefs: Jan. 15, 2016)

Reservoir Evaporation Losses in the West Studied (TWR #143, Water Briefs: Jan. 15, 2016)

Natural Resource Investment Center Established by Department of Interior (TWR #143, Water Briefs: Jan. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Utah Navajo Water Rights Settlement Agreement Approved by Navajo Nation Council (TWR #144, Water Briefs: Feb. 15, 2016)

Aquifer Recovery in Idaho: Governor's Budget Provides Funding to Reverse Decline of Idaho Aquifer Levels (TWR #144, Water Briefs: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Rio Grande Lawsuit: WildEarth Guardians Seek Historical Beneficial Use Accounting for Water Rights (TWR #146, Water Briefs: April 15, 2016)

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

Using Graywater & Stormwater to Enhance Local Water Supplies: An Assessment of Risks, Costs, & Benefits Published (TWR #146, Water Briefs: April 15, 2016)

Tribal Water Lease in Idaho: Storage Rights to Mitigate for Groundwater Use (TWR #148, Water Briefs: June 15, 2016)

STORAGE TAX:

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

STORAGE TRADING:

Liquid Assets: Investing for Impact in the Colorado Basin - Investment Blueprint Released (TWR #146, Water Briefs: April 15, 2016)

STORED WATER:

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Shopping for Water: How the Market Can Mitigate Water Shortages in the American West - The Hamilton Project Paper (TWR #129: Water Briefs, Nov. 15, 2014)

Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey (TWR #130: Dec. 15, 2014)

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Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

Colorado Water Markets: “Alternative Transfer Mechanisms” by P. Andrew Jones (TWR #138, August 15, 2015)

Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

Water Released for Salmon by Reclamation - Injunction by Irrigation Districts Denied (TWR #139, Water Briefs: Sept. 15, 2015)

Reservoir Release in Colorado - Lease Agreement for Instream Flow to Benefit Endangered Fish (TWR #139, Water Briefs: Sept. 15, 2015)

Truckee River Operating Agreement Begins: Interstate Allocations (TWR #143, Water Briefs: Jan. 15, 2016)

Tribal Water Lease in Idaho: Storage Rights to Mitigate for Groundwater Use (TWR #148, Water Briefs: June 15, 2016)

STORM EVENT SAMPLING:

California's New Industrial Storm Water Permit by Wendy L. Manley, Wendel Rosen Black & Dean, LLP (TWR #124: June 15, 2014)

STORM SURGE:

EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA’s Office of Science & Technology - Conducted by Jakob Wiley (TWR #140: Oct. 15, 2015)

STORMWATER:

- Stormwater Penalty: EPA Enforcement (TWR #2, Water Briefs: April 15, 2004)
- Statewide Aquatic Herbicide Permit - California (*Headwaters, Inc. v. Talent Irrigation District* response)(TWR #4, Water Briefs: June 15, 2004)
- Stormwater Penalty Issued Against Wal-Mart: \$3.1 Million Fine (TWR #4, Water Briefs: June 15, 2004)
- Stormwater Fine (Washington Dept. of Ecology) - Measurement Issue (TWR #5, Water Briefs: July 15, 2004)
- Stormwater BMPs by Eric Strecker, Marcus Quigley, Ben Urbonas and Jonathon Jones (TWR #6: August 15, 2004)
- Stormwater Penalties for Idaho Construction (TWR #12, Water Briefs: Feb. 15, 2005)
- Stormwater Permits for Oil & Gas Construction: Regulatory Deadline Extended (TWR #12, Water Briefs: Feb. 15, 2005)
- Stormwater Management: Increased Construction Site Scrutiny - Avoiding Enforcement by Carol L. Forrest (TWR #13: March 15, 2005)
- Streamlining Federal Permits (Portland/Federal Agencies Coordination) by Mike Reed (TWR #13: March 15, 2005)
- Stormwater Holding on Municipal Permits (TWR #15, Water Briefs: May 15, 2005)
- Regulating Urban Runoff: Stormwater Issues by Paul N. Singarella (TWR #17: July 15, 2005)
- CWA Public Notice: General Permits (TWR #17, Water Briefs: July 15, 2005)
- San Diego Creek's Natural Treatment Stormwater Management System by Strecker, Mangarella, Hesse, Rathfelder, Leisenring & Brandt (TWR #18: August 15, 2005)
- Hawaii DOT Fined for Stormwater Violations (TWR #21, Water Briefs: Nov. 15, 2005)
- Parking Lot Toxics: Sealcoating Runoff (TWR #22, Water Briefs: Dec. 15, 2005)
- Stormwater Discharge Vioaltions by Seven-Up/RC Bottling Company (TWR #22, Water Briefs: Dec. 15, 2005)
- Nonpoint Pollution: EPA Guidance on Stormwater (TWR #23, Water Briefs: Jan. 15, 2006)
- Mining Megasite Cleanup: CERCLA Remedies Adapt to Circumstances in Butte, Montana by Angela Frandsen (TWR #26: April 15, 2006)
- NPDES Authority Challenged in Washington: Stormwater & Point Sources (TWR #27, Water Briefs: May 15, 2006)
- Mixing Zones - An Overview of Some Western States by Gregg Bryden (TWR #28, June 15, 2006)
- Dallas Stormwater: Settlement Agreement and Wetlands Construction (TWR #28, Water Briefs, June 15, 2006)
- Stormwater Settlement: Idaho Highway Construction Results in Clean Water Act Violations (TWR #28, Water Briefs, June 15, 2006)
- Stormwater Violation and EPA Settlement (TWR #30, Water Briefs: August 15, 2006)
- Stormwater Panel: Feasibility of Numeric Effluent Limits Applicable to Stormwater Discharges (TWR #30, Water Briefs: August 15, 2006)

[Stormwater Violations: Developers Fined in Idaho \(TWR #31, Water Briefs: Sept. 15, 2006\)](#)

[Washington Stormwater Regulation: State General Industrial Stormwater Permits At Issue by James Tupper \(TWR #32: October 15, 2006\)](#)

[Stormwater Pollution Order on Industrial Runoff in California \(TWR #34, Water Briefs: December 15, 2006\)](#)

[Puget Sound Initiative in Washington: Proposals & Cleanup \(TWR #35, Water Briefs: January 15, 2007\)](#)

[New Stormwater Regulations in Washington \(TWR #36, Water Briefs: February 15, 2007\)](#)

[ESA & CWA: Endangered Species Act Influences on EPA's Clean Water Act Programs \(The Washington State Example\) by Palmer \(TWR #37: March 15, 2007\)](#)

[Stormwater Settlement \(Failure to Obtain and Failure to Follow Provisions \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Municipal Stormwater: An Overview of Current Regulation and Management by Misha Vakoc \(TWR #40, June 15, 2007\)](#)

[EPA Municipal Stormwater Programs: GAO Report \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Stormwater and Wastewater Fines Levied on Boeing \(California\) \(TWR #44, Water Briefs: Oct. 15, 2007\)](#)

[International Stormwater BMP Database Update by Eric Strecker, Jane Clary, Marcus Quigley, and Jonathan Jones \(TWR #45, Nov. 15, 2007\)](#)

[Discharges Ruling: NPDES Prohibition on Impaired Waterways \(TWR #45, Water Briefs: Nov. 15, 2007\)](#)

[Stormwater Solutions Report from Oregon \(TWR #47, Water Briefs: January 15, 2008\)](#)

[EPA Stormwater Report: Low Impact Development \(TWR #47, Water Briefs: January 15, 2008\)](#)

[Stormwater Plan: EPA Guide for Construction Sites \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Puget Sound Pollution Grants for Stormwater Projects and Water Reuse \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Home Depot Settles Stormwater Case for \\$1.3 Million \(TWR #49, Water Briefs: March 15, 2008\)](#)

[Stormwater/Construction General Permit: EPA Proposal \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Phytotreatment of Stormwater: Phytotreatment Findings Betoken a Promising Future by MacDonald, Dods, Futornick & Ferro \(TWR #53: July 15, 2008\)](#)

[Stormwater Permits Electronic Filing System Updated by EPA \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Stormwater Fines - Highway Construction Company in Arizona \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Clean Water Act Copper Limits to Protect Salmon: NPDES Permit Developments for Puget Sound, Washington by John Palmer \(TWR #54, August 15, 2008\)](#)

[Storm Water Regulation Update: Rough Waters In California by Wendy L. Manley \(TWR #55: September 15, 2008\)](#)

[Portland's Stormwater Marketplace by Dan Vizzini \(TWR #55: September 15, 2008\)](#)

[Stormwater Consent Decree: \\$1 Million Civil Fine for Landfill Violations \(TWR #55, Water Briefs: September 15, 2008\)](#)

[Clean Water Act: Largest Fine Ever in Stormwater Criminal Misdemeanor Action \(\\$13 million\) \(TWR #56, Water Briefs: October 15, 2008\)](#)

[New Stormwater Multi-Sector General Permit Issued by EPA \(TWR #56, Water Briefs: October 15, 2008\)](#)

[Erosion Best Management Practices for Construction: EPA Seeks Comments \(TWR #58, Water Briefs: December 15, 2008\)](#)

[New Stormwater Regulations: EPA Proposes Rule for New Effluent Limitations-Guidelines for Construction & Development by Ziemer \(TWR #59: Jan. 15, 2009\)](#)

[Municipal Stormwater in Washington: Low Impact Development Permit Requirements \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Water and Energy Nexus: Site Scale Conservation Opportunities by Steve Moddemeyer \(TWR #63: May 15, 2009\)](#)

[Urban Runoff Reuse: Climate Change Measure Proposed in California \(Hearing June 17\) \(TWR #64, Water Briefs: June 15, 2009\)](#)

[Stormwater Retention On Site: An Analysis of Feasibility and Desirability by Eric W. Strecker, PE, and Aaron Poresky, EIT \(TWR #65: July 15, 2009\)](#)

[Municipal Stormwater: Washington's Ecology Modifies Permits \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Wastewater Treatment: Puget Sound Issues - Increased Stringency \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Stormwater Permits in California: Construction General Permit Adopted \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[California Storm Water Regulation: State Intensifies Regulation of Runoff from Construction Sites by Wendy L. Manley \(TWR #68: Oct. 15, 2009\)](#)

[Stormwater Agreement in Texas: Contractors & Agencies Pilot Program \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Stormwater Penalties Issued Against Idaho Dept. of Transportation \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[New Stormwater Limits for Runoff from Industrial Facilities in Washington \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Construction Sites: EPA Stormwater Rule \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[Residual Designation Authority: New Applications of Seldom-Used Clean Water Act Regulatory Tool by Robert W. Varney \(TWR #71: Jan. 15, 2010\)](#)

[Federal Stormwater Rule: EPA Listening Sessions \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Stormwater Discharge: EPA "Ports Initiative" - San Joaquin River Agreement \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[EPA Stormwater Guidance for Federal Agencies \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Construction Stormwater BMPs: California Handbook Developed by California Stormwater Quality Association \(CASQA\) \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Stormwater & Sediment Contamination: Minimizing Potential Sediment Recontamination & Associated Liability by Eric Strecker, PE, Marcus Quigley, PE and Marc Leisenring, PE \(TWR #72: Feb. 15, 2010\)](#)

[NPDES Enforcement Annual Report Released in California \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Stormwater Regulation Update: EPA Expanding Program by Wendy L. Manley \(TWR #73: March 15, 2010\)](#)

[Washington Stormwater Regulation: New Industrial Stormwater General Permit by Jeff Kray \(TWR #75: May 15, 2010\)](#)

[Stormwater Permit Compliance: New Washington State Industrial Permit Poses Challenges by Neil Alongi \(TWR #76: June 15, 2010\)](#)

[Watershed Needs: EPA Releases 2008 Survey \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Construction Stormwater Regulation: EPA Withdraws Numeric Sedimentation Limits by Tom Lindley and Jessica Hamilton \(TWR #79, Sept. 15, 2010\)](#)

[Wastewater & Stormwater Pollution Control in U.S. - Over \\$298 Billion Needed \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[EPA Construction Stormwater Rule: Seventh Circuit Clarifies Ruling by Tom Lindley and Jessica Hamilton \(TWR #80: Oct. 15, 2010\)](#)

[Rain Garden Guide Released in Oregon \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Stormwater Treatment: PCBs & Boeing Field Agreement \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Enforcement of CWA: Homebuilder Agrees to \\$925,000 Fine Plus Improvements for Stormwater Violations in 21 States \(TWR #82, Water Briefs: Dec. 15, 2010\)](#)

[Stormwater General Construction Permits in California: Change to "Legally Responsible Person" \(TWR #82, Water Briefs: Dec. 15, 2010\)](#)

[Municipal Stormwater Management: The New Normal - Stormwater Management & Watershed Restoration in Portland, Oregon by Vizzini & Nelson \(TWR #84: Feb. 15, 2011\)](#)

[Federal Stormwater Rulemaking: Association of State & Interstate Water Pollution Control Administrators Comments \(TWR #84: Feb. 15, 2011\)](#)

[Stormwater Monitoring Reports in Washington: Ecology Issuing Fines to General Permittees for Failure to Report \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Stormwater and TMDL Allocations: EPA Recommends Stormwater Permit Numeric Wasteload Allocations by Eric Strecker \(TWR #85: March 15, 2011\)](#)

[Stormwater Agreement in Utah: Unpermitted Discharges Penalty for Quarry Runoff \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Dissolved Metals in Stormwater: Biotic Ligand Model - New Treatment Paradigm \(Obtaining Environmental Protection With New Technology & Defensible Standards by Wisdom & Bucich \(TWR #86: April 15, 2011\)](#)

[Construction General Permit \(Stormwater\): EPA Permit Proposal - Comment Period Open \(TWR #87, Water Briefs: May 15, 2011\)](#)

[Water Resources Regulation & Development: Groundwater, Floodplains, and "Waters of the United States" by Robert D. Anderson \(TWR #91: Sept. 15, 2011\)](#)

[Stormwater Regulations in Washington: New Draft Guidance & Permits \(Low Impact Development Wherever Feasible\) \(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[Urban Water Quality: New EPA Planning Process - Prioritized Approach \(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[CAL/EPA 2010 Enforcement Report Released in California \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[Low Impact Stormwater Retrofit: Port Converts Standard Bioswale to Bioretention to Meet Water Quality Goals by Kim Slack \(TWR #96: Feb. 15, 2012\)](#)

[Military MS4 Permit in Washington - Draft EPA Permit Includes LID \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[LID Stormwater Retrofitting: Application to Residential Areas Around Puget Sound by Amalia Leighton \(TWR #97: March 15, 2012\)](#)

[Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey \(TWR #97: March 15, 2012\)](#)

[Stormwater Construction Runoff: EPA Issues New Permit \(TWR #97, Water Briefs: March 15, 2012\)](#)

[Industrial Stormwater Permitting: Status and Trends in Western States by Gregg Bryden \(TWR #98: April 15, 2012\)](#)

[The Washington Stormwater Center: Stormwater Assistance by John D. Stark, Ph.D. and Tanyalee Erwin \(TWR #99: May 15, 2012\)](#)

[Green Stormwater Infrastructure/Implementation Needs: Clean Water America Alliance's National Survey Results \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Stormwater: Felony Violations of the Clean Water Act Lead to Large Fine & Possible Jail Time \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Salmon Safe Certification: Golf Course Assessment Leads to Certification for Tribal Course \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Stormwater Permits & LID: Washington State's Low Impact Development Requirements by Linsey Payne \(TWR #100: June 15, 2012\)](#)

[Green Infrastructure Permitting & Enforcement: EPA Fact Sheets Released for NPDES Programs \(TWR #101, Water Briefs: July 15, 2012\)](#)

[*Integrated Municipal Stormwater and Wastewater Planning Approach Framework* \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Contaminants in Wastewater Effluent & Stormwater Runoff - Columbia River Basin: USGS Study \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Hydraulic Fracturing & Water: Water Needs and Appropriate Management by William H. Fronczak \(TWR #102: August 15, 2012\)](#)

[Ben Grumbles & The U.S. Alliance: Interview by Tom Lindley \(TWR #104: Oct. 15, 2012\)](#)

[Mine Stormwater - Clean Water Act Penalty & Settlement in Alaska \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[WaterSMART Update \(TWR #105: Nov. 15, 2012\)](#)

[Prison Sentence for Clean Water Act Violations in Washington \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[*Disposal of Large Amounts of Contaminated Water: A Support Guide for Water Utilities* Released by EPA \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[New EPA Stormwater Rules Issued on Logging Roads Runoff Just Before Supreme Court Argument \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Stormwater Ruling from US Supreme Court - Transfer of Polluted Water Not "Discharge" Under CWA \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase \(TWR #108: Feb. 15, 2013\)](#)

Green Infrastructure Factsheets on Permitting & Enforcement Released by EPA - NPDES Wet Weather Programs (TWR #108, Water Briefs: Feb. 15, 2013)

Washington Stormwater Center: Projects Update by Lisa Rozmyn (TWR #109: March 15, 2013)

California Small MS4s Regulation: State Adopts New Stormwater Regulations & Expands Program by Wendy Manley (TWR #109: March 15, 2013)

Low Impacts Permits - American Rivers' Guide to LID Permitting (TWR #109, Water Briefs: March 15, 2013)

EPA Reaches Agreement With ADOT to Improve Stormwater Management (TWR #111, Water Briefs: May 15, 2013)

Stormwater Treatment Technology: Recent Innovations by Ghaffari & Johnson (TWR #113: July 15, 2013)

Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)

National Stormwater Calculator Released by EPA (TWR #114, Water Briefs: August 15, 2013)

Stormwater Cleanup: Proof for Liability in Clean Water Act Suit - Representative Locations in Pollution Monitoring (TWR #115, Water Briefs: Sept. 15, 2013)

Proposed Reissuance of NPDES General Permit for Stormwater Discharges From Industrial Activities (TWR #116, Water Briefs: Oct. 15, 2013)

Reclamation Developing Directive & Standard for Non-Agricultural Discharges Into Facilities (TWR #117, Water Briefs: Nov. 15, 2013)

Water & Land Use Assessment Tool: California's Locally Adaptable Tool (Water & Stormwater Impacts) by Patterson, Hinds & Lassiter (TWR #119: Jan. 15, 2014)

Supreme Court Stormwater Ruling: *Los Angeles Flood Control District v. NRDC* - A Strange and Meandering Case by Christopher Rich (TWR #120: Feb. 15, 2014)

Stream Flow Enhancement/Groundwater Mitigation in Washington - Stormwater Capture & Groundwater Recharge (TWR #120, Water Briefs: Feb. 15, 2014)

National Stormwater Calculator and Climate Assessment Tool - Phase II Released by EPA (TWR #120, Water Briefs: Feb. 15, 2014)

Nutrient Pollution - EPA Research Grants (TWR #121, Water Briefs: March 15, 2014)

Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber (TWR #122: April 15, 2014)

Enforcement Report of 2013 Actions Released by California State Water Resources Control Board (TWR #123, Water Briefs: May 15, 2014)

California's New Industrial Storm Water Permit by Wendy L. Manley, Wendel Rosen Black & Dean, LLP (TWR #124: June 15, 2014)

Supreme Court Declines to Review Los Angeles Rivers Stormwater Runoff Case (TWR #124, Water Briefs: June 15, 2014)

Water Harvesting Assessment (TWR #124, Water Briefs: June 15, 2014)

Stormwater Fine in Oregon: Economic Benefit Penalty (TWR #125, Water Briefs: July 15, 2014)

"Water/Wastewater Utilities and Extreme Climate and Weather Events" - Report Released (TWR #126, Water Briefs: Aug. 15, 2014)

[Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations \(Congressional Research Service\) by Claudia Copeland \(TWR #128, Oct. 15, 2014\)](#)

[Stormwater Penalty: Hawaii Department of Transportation Agrees to Settlement for Violations \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[2015 Five Star/Urban Waters Restoration Program: EPA Grant Program RFP \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Duwamish Cleanup: Superfund Final Plan in Seattle Waterway \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Restoration Funding: 2015 Five Star/Urban Waters Restoration Program \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Stormwater Permit: Industrial Permit Updated in Washington State \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

[Green Infrastructure: EPA Financing & Planning Guidance-Incorporating Stormwater Management Plans \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Green Infrastructure: New EPA Presentation & UC Berkeley Report \(TWR #133, Water Briefs: March 15, 2015\)](#)

[The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt \(TWR #134: April 15, 2015\)](#)

[Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill \(TWR #134: April 15, 2015\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Mining Violations & Clean Water Act Settlement in Idaho \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi \(TWR #138, August 15, 2015\)](#)

[Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheume \(TWR #139, Sept. 15, 2015\)](#)

[EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley \(TWR #140: Oct. 15, 2015\)](#)

[Phase II MS4 Revision: Settlement Requires EPA to Revise Phase II MS4 Permit & Review Forest Road Runoff Regulation \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Delta Stormwater Settlement: Toxic Discharges Suit Under ESA & Clean Water Act \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

[LA's Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan \(TWR #141: Nov. 15, 2015\)](#)

[Strategy to Optimize Resource Management of Storm Water in California \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Forest Roads: EPA Considers Stormwater Discharge Requirements \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[State of the Sound Report Released in Washington \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Stormwater Lawsuit: Oakland Sues Monsanto Over PCBs \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Treated Stormwater Used for Irrigation in Florida \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Stormwater Policy in California: New Strategy Considered \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug \(TWR #143: January 15, 2016\)](#)

[Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon \(TWR #143: January 15, 2016\)](#)

[Reclaimed Water Risks-Benefits Analysis by National Academy of Sciences Released \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Finding “New Water” in California: Seminar Review & Commentary by Jungreis and Van Ligten \(TWR #144: Feb. 15, 2016\)](#)

[Clean Watersheds Needs Survey Released by EPA \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Stormwater Agreement: Clean Water Act Violations by Salt Lake County Resolved in Utah \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Washington’s Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[EPA Enforcement: Seven National Enforcement Initiatives Announced for 2017-2019 \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Sewer Overflows and Stormwater Violations in Kansas: EPA Settlement with City \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Stormwater Regs: New Construction General Permit for NPDES Permits Proposed by EPA \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Using Graywater & Stormwater to Enhance Local Water Supplies: An Assessment of Risks, Costs, & Benefits Published \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Report on Water Available for Replenishment of Groundwater in California: Interim White Paper \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Green Infrastructure Guidance Announced by WRF: Capital Improvement Project Delivery Methods & Incentives \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher \(TWR #148: June 15, 2016\)](#)

[Stormwater Runoff, Combined Sewer Overflows, and Infrastructure Research Funding \(TWR #148, Water Briefs: June 15, 2016\)](#)

[STORMWATER CAPTURE and REUSE:](#)

[Finding “New Water” in California: Seminar Review & Commentary by Jungreis and Van Ligten \(TWR #144: Feb. 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[Reuse & Conservation: EPA Research Funding Announced \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Using Graywater & Stormwater to Enhance Local Water Supplies: An Assessment of Risks, Costs, & Benefits Published \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Report on Water Available for Replenishment of Groundwater in California: Interim White Paper \(TWR #146, Water Briefs: April 15, 2016\)](#)

[STORMWATER INFILTRATION:](#)

[Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheume \(TWR #139, Sept. 15, 2015\)](#)

[Report on Water Available for Replenishment of Groundwater in California: Interim White Paper \(TWR #146, Water Briefs: April 15, 2016\)](#)

[STREAM ACCESS:](#)

[Stream Access Decision: When Is a Stream a Stream, Water Natural, and Property Private? by Jack R. Tuholske \(TWR #59: Jan. 15, 2009\)](#)

[Utah Stream Access: Recreational Use Legislation \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Stream Access in New Mexico: Attorney General's Opinion \(TWR #123, Water Briefs: May 15, 2014\)](#)

[STREAM ASSESSMENT:](#)

[2008-2009 National Rivers and Stream Assessment - EPA Stream Survey \(TWR #110, Water Briefs: April 15, 2013\)](#)

[STREAMBED ALTERATION:](#)

[California Water Regulation: Farm Bureau Challenges State Fish & Game Department Authority by Joseph M. Carpenter \(TWR #77: July 15, 2010\)](#)

[Suction Dredge Mining Halted in California - Governor Continues Moratorium \(TWR #101, Water Briefs: July 15, 2012\)](#)

[STREAM BUFFER:](#)

[Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani \(TWR #123: May 15, 2014\)](#)

[STREAM DEPLETION:](#)

[South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom \(TWR #122: April 15, 2014\)](#)

[The Pope Talks On Water: Pope Francis' Encyclical on "The Issue of Water" \(TWR #137, Water Briefs: July 15, 2015\)](#)

STREAMFLOW and STREAMFLOW DEPLETIONS:

[USGS Study on Groundwater Impact on Streamflows Released \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert \(TWR #107: January 15, 2013\)](#)

[South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom \(TWR #122: April 15, 2014\)](#)

[The Wyoming Water and Climate Web Atlas Released \(TWR #138, Water Briefs: August 15, 2015\)](#)

STREAMLINED APPROACH:

[AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein \(TWR #146: April 15, 2016\)](#)

STREAM MANAGEMENT:

[Water Plan Released in Colorado: Water Supply Strategies \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

STREAM SUBSTRATE:

[National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch \(TWR #145: March 15, 2016\)](#)

STRESSORS of Stream Quality:

[2008-2009 National Rivers and Stream Assessment - EPA Stream Survey \(TWR #110, Water Briefs: April 15, 2013\)](#)

"STRESS TEST":

[Drought Regulations Replaced With "Stress Test" Approach in California \(TWR #148, Water Briefs: June 15, 2016\)](#)

STRONTIUM:

[Strontium Regulation: EPA Preliminary Determination \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

SUBLETHAL EFFECTS:

[CWA & ESA Intersections - Water Quality & ESA Section 7: Northwest Examples by Melanie J. Rowland \(TWR #25: March 15, 2006\)](#)

SUBORDINATION AGREEMENTS or CESSATION OF DIVERSION:

[Flow Restoration in the Northwest: Columbia Basin Water Transactions by Andrew Purkey and Christopher Furey \(TWR #2: April 15, 2004\)](#)

[Instream Flow: Irrigation Season Shortened to Create Flow \(TWR #24, Water Briefs: February 15, 2006\)](#)

[Instream Flow Restoration: Cooperative, Free-Market Solutions in Oregon by Fritz Paulus \(TWR #43, Sept. 15, 2007\)](#)

[Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell \(TWR #56: October 15, 2008\)](#)

[Water Transfers in the West by Carlee Brown \(TWR #107: January 15, 2013\)](#)

[Water "Call" Agreement in Colorado - Senior Rights "Relaxed" to Allow Storage \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Utah Nuclear Plant Water Right Transfers Upheld by Court \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Klamath Settlement "Agreement in Principle" Reached Between Klamath Tribes and "Off-Project" Irrigators \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmén \(TWR #129: Nov. 15, 2014\)](#)

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

[War and Peace Over the Niobrara River by Don Blankenau \(TWR #142: Dec. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons \(TWR #143: January 15, 2016\)](#)

[Utah Navajo Water Rights Settlement Agreement Approved by Navajo Nation Council \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

SUBSIDENCE (see also LAND SUBSIDENCE):

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[San Joaquin Sinking: NASA Subsidence Study \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

SUBSTITUTE WATER SUPPLY PLANS (SWSP):

[South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom \(TWR #122: April 15, 2014\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

SUBSURFACE INTAKES:

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

SUBSURFACE RETURN FLOW:

[Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones \(TWR #138, August 15, 2015\)](#)

SUBTERRANEAN RIGHTS:

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill \(TWR #129: Nov. 15, 2014\)](#)

SUCTION DREDGE MINING:

[Suction Dredge Mining Moratorium in California Extended to 2016 \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Suction Dredge Mining Halted in California - Governor Continues Moratorium \(TWR #101, Water Briefs: July 15, 2012\)](#)

[ESA & 1872 Mining Act Decision \(Suction Dredge Impacts\) - ESA Trumps \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Suction Dredging Moratorium Upheld in Oregon \(TWR #146, Water Briefs: April 15, 2016\)](#)

"SUPER DITCH":

[Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones \(TWR #138, August 15, 2015\)](#)

[AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein \(TWR #146: April 15, 2016\)](#)

[SUPERFUND \(see also CERCLA\):](#)

- Upper Columbia River Contamination: Transboundary Application of CERCLA by Du Bey, Ulick Rosenthal & Clark (TWR #15: May 15, 2005)
- 2005 Sediments Conference by Laura Kennedy (TWR #16: June 15, 2005)
- Superfund Lien: Past Cleanup Costs (TWR #17, Water Briefs: July 15, 2005)
- Groundwater Contamination Superfund Settlement (California) (TWR #19, Water Briefs, September 15, 2005)
- Landfill Superfund Cleanup Settlement (Colorado) (TWR #19, Water Briefs, September 15, 2005)
- Superfund Order: Duwamish Sediments (TWR #21, Water Briefs: Nov. 15, 2005)
- Groundwater Contamination Cleanup: San Gabriel Valley Superfund Site (TWR #21, Water Briefs: Nov. 15, 2005)
- Groundwater Contamination: Superfund Cleanup in the San Gabriel Valley (TWR #22, Water Briefs: Dec. 15, 2005)
- Hanford Superfund Site Update by Ken Niles (TWR #23, Jan. 15, 2006)
- Mining Megasite Cleanup: CERCLA Remedies Adapt to Circumstances in Butte, Montana by Angela Frandsen (TWR #26: April 15, 2006)
- Shipyards Superfund Site: Elliot Bay Seattle (TWR #32, Water Briefs: October 15, 2006)
- Superfund Delisting: Rocky Mountain Arsenal Parcel (TWR #33, Water Briefs: Nov. 15, 2006)
- Groundwater Contamination: Superfund Cleanup Costs Settlement (TWR #34, Water Briefs: December 15, 2006)
- CERCLA Test: "Substantial Continuity" and Successor Liability Ruling (TWR #37, Water Briefs: March 15, 2007)
- Superfund Cleanup Deadline: Stipulated Penalty of \$358,000 (TWR #37, Water Briefs: March 15, 2007)
- Superfund Liabilities and Liability Apportionment Decision by 9th Circuit (TWR #38, Water Briefs: April 15, 2007)
- Contaminated Sediments Update: Conference Links Law, Science & Public Policy by Heather Brunelle and Cindy Ryals (TWR #45, Nov. 15, 2007)
- Superfund Success: Restoration Project in Montana (TWR #45, Water Briefs: Nov. 15, 2007)
- Superfund Settlement: Groundwater Contamination in California (TWR #45, Water Briefs: Nov. 15, 2007)
- Superfund Settlement: \$187 Million River Cleanup (TWR #48, Water Briefs: February 15, 2008)
- TCE Settlement with \$500,000 Penalty: Drinking Water in Arizona (TWR #52, Water Briefs: June 15, 2008)
- CERCLA-NRDA Restoration: Ecocredits/Liability Coverage for Duwamish River Sites by Scott Lockert (TWR #57: November 15, 2008)
- SUPERFUND Cleanup: Groundwater & Soil Cleanup in California (TWR #61, Water Briefs: March 15, 2009)
- SUPERFUND Liability: "Arranged for Disposal" and PRP(s) - Supreme Court Victory for Shell Oil Company (TWR #63, Water Briefs: May 15, 2009)

[SUPERFUND Settlement: \\$21 Million Contaminated Groundwater Cleanup System \(EPA & Northrop Grumman\) \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[HAZWASTE Cleanup: EPA To Distribute \\$1.79 Billion From Largest Ever Enviro-Bankruptcy \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Groundwater Settlement in New Mexico: Mining Release Result in \\$13 Million Damages \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Solar Power & Energy Conservation: Cleanup of Superfund Site by EPA \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Trichloroethylene \(TCE\) Health Assessment Released - Integrated Risk Information System Database \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Groundwater Cleanup at Superfund Site in Los Angeles: \\$6 Million Settlement \(Drinking Water Protection\) \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Groundwater Cleanup: Commingled Treatment System at California Superfund Site \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase \(TWR #108: Feb. 15, 2013\)](#)

[Cleanup Settlement at Goodrich Superfund Site in California \(EPA\): TCA & Perchlorate \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Superfund Cleanup in Humboldt Bay Pulp Mill Site in California \(TWR #123, Water Briefs: May 15, 2014\)](#)

[Duwamish Cleanup: Superfund Final Plan in Seattle Waterway \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[EPA Enforcement & Compliance Report for 2014 \(TWR #133, Water Briefs: March 15, 2015\)](#)

[EPA Enforcement and Compliance Report for 2015 Released \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[SUPPLY and DEMAND \(see also Water Supply\):](#)

[Tribal Water Study: Reclamation & the Colorado River Basin Tribes Partnership \(Ten Tribes Partnership\) \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[National Water Census: USGS & Stakeholders Give Congressional Briefing \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde \(TWR #117, Nov. 15, 2013\)](#)

[U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service \(TWR #118, Dec. 15, 2013\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

[SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool \(TWR #146, Water Briefs: April 15, 2016\)](#)

[SUPPLY and DEMAND CURVE:](#)

[Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger \(TWR #146: April 15, 2016\)](#)

SUPPLY SUBSTITUTE:

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill \(TWR #129: Nov. 15, 2014\)](#)

SUPREME COURT (see also INTERSTATE CONFLICTS & COMPACTS):

[Tribal Water Rights Update: John Echohawk - Indian Water Law Elder by David C. Moon \(TWR #23, Jan. 15, 2006\)](#)

[Transboundary Pollution - 9th Circuit Order Appealed \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Montana v. Wyoming: U.S. Supreme Court to Hear Yellowstone Compact Case by Karen Budd-Falen \(TWR #57: November 15, 2008\)](#)

[Texas v. New Mexico - Texas Sues Over Water Deliveries Under the Rio Grande Compact \(U.S. Supreme Court\) \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Yellowstone River Compact Decision: Special Master Ruling in Montana v. Wyoming by David Moon \(TWR #132: Feb. 15, 2015\)](#)

SURCHARGING:

[Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi \(TWR #138, August 15, 2015\)](#)

SURFACE AUGMENTATION SUPPLIES:

[South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom \(TWR #122: April 15, 2014\)](#)

SURFACE ESTATE:

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

SURFACE SPREADING:

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

[Oil & Gas Lawsuit: EPA Sued Regarding Regulations on Drilling & Fracking Wastes \(TWR #146, Water Briefs: April 15, 2016\)](#)

SURFACE WATER IMPACT:

Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

SURFACE WATER MEASURING:

Measuring & Reporting in California: Diversion Regulations Adopted (TWR #144, Water Briefs: Feb. 15, 2016)

"SURFACE WATER SUPPLY INDEX":

Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol (TWR #121: March 15, 2014)

SURPLUS TRADING:

Urban Water Conservation in Southern California: Encouraging Conservation Through Tradeable Allocations & Market Mechanisms by Bond, Motlow, Steely, Wang & Libecap (TWR #136: June 15, 2015)

"SURPLUS WATER":

Surplus Water in Reclamation Projects: Corps Pricing Policy Being Developed (M&I Use Included) (TWR #100, Water Briefs: June 15, 2012)

The "Fill Mead First" Proposal: Potential Legal Issues Under the Law of the River by Lawrence J. MacDonnell (TWR #112: June 15, 2013)

Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson (TWR #117, Nov. 15, 2013)

SUSTAINABLE GROUNDWATER MANAGEMENT ACT (California):

California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon (TWR #128, Oct. 15, 2014)

California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem (TWR #135: May 15, 2015)

Groundwater Management Program Website Announced in California (TWR #135, Water Briefs: May 15, 2015)

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

[Setting Measurable Objectives to Achieve Sustainable Groundwater Management in California \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Groundwater Adjudication: Legislative Reform Passed in California \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Report on Water Available for Replenishment of Groundwater in California: Interim White Paper \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Designing Effective Groundwater Sustainability Agencies: Criteria for Evaluation of Local Governance Options \(CA\) \(TWR #146, Water Briefs: April 15, 2016\)](#)

SUSTAINABLE RANCHING:

[Liquid Assets: Investing for Impact in the Colorado Basin - Investment Blueprint Released \(TWR #146, Water Briefs: April 15, 2016\)](#)

"SUSTAINABLE YIELD" (Groundwater):

[California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon \(TWR #128, Oct. 15, 2014\)](#)

[California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem \(TWR #135: May 15, 2015\)](#)

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[Report on Water Available for Replenishment of Groundwater in California: Interim White Paper \(TWR #146, Water Briefs: April 15, 2016\)](#)

SUSTAINABILITY (see also Conservation):

[Aquifer Storage Recovery & EPA's Underground Injection Control Program-EPA's "ASR Experts" Report by Shrier \(TWR #64: June 15, 2009\)](#)

[Water-Energy: National Symposium Upcoming \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Integrated Water-Energy Planning: Major Nationwide Dialogue Underway by Shrier, Hightower & Johnson \(TWR #66: August 15, 2009\)](#)

[Graywater Code in California: New Standards Adopted \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Arizona Water Management Issues: Maintaining Sustainable Water Management by Steve Olson \(TWR #68: Oct. 15, 2009\)](#)

[WaterSMART Initiative: Dept. of Interior Strategy \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Climate Change Impacts: Water Climate Forum Brings Int'l Insights to US Adaptation Strategies by Erica Brown \(TWR #76: June 15, 2010\)](#)

[Western Governors Association 2010 Meeting: Water Resolutions \(TWR #77, Water Briefs: July 15, 2010\)](#)

US Hydropower Development - US Departments of Energy, the Interior, and the Army Assessing and Promoting Federal Hydropower Development by Sensiba & Wood (TWR #78: Aug. 15, 2010)

EPA issues Clean Water & Drinking Water Infrastructure Sustainability Policy (TWR #80, Water Briefs: Oct. 15, 2010)

Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak (TWR #81: November 15, 2010)

Clean Water and Drinking Water Infrastructure Sustainability Policy Released by EPA (TWR #81, Water Briefs: Nov. 15, 2010)

Water Sustainability: Recycling & Conservation Report Released in Arizona (TWR #83, Water Briefs: Jan. 15, 2011)

Sustainable Water Use: Invisioning a Sustainable Water Future for the American West by Barton "Buzz" Thompson (TWR #87: May 15, 2011)

Green Construction - Tribal Community Adopts International Code (TWR #87, Water Briefs: May 15, 2011)

Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates (TWR #88: June 15, 2011)

Multi-Sector Water Sharing (Agricultural-Urban-Environmental): Innovative Strategies for the Colorado River Basin & the West by Smith (TWR #88: June 15, 2011)

Colorado River Basin Supply & Demand Study by Carly Jerla, Terry Fulp, and Pam Adams (TWR #90: August 15, 2010)

Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses by Drew Beckwith (TWR #93: Nov. 15, 2011)

Planning for Sustainability: EPA Handbook for Water and Wastewater Utilities (TWR #96, Water Briefs: Feb. 15, 2012)

LID Stormwater Retrofitting: Application to Residential Areas Around Puget Sound by Amalia Leighton (TWR #97: March 15, 2012)

Municipal Water Resources & Regional Planning: The Prairie Waters Project - Aurora, Colorado by Lisa Darling (TWR #98: April 15, 2012)

Water Utilities Report by Black & Veatch: *Strategic Directions in the U.S. Water Utility Industry* (TWR #101, Water Briefs: July 15, 2012)

Ben Grumbles & The U.S. Alliance: Interview by Tom Lindley (TWR #104: Oct. 15, 2012)

Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson (TWR #106: Dec. 15, 2012)

Cooperative Watershed Management Program (WaterSMART): Reclamation Funding - Applications Sought (TWR #111, Water Briefs: May 15, 2013)

California Water Plan Update 2013 Draft Volume Released: The Strategic Plan - Volume 1 (TWR #116, Water Briefs: Oct. 15, 2013)

Tribal Water Study: Reclamation & the Colorado River Basin Tribes Partnership (Ten Tribes Partnership) (TWR #116, Water Briefs: Oct. 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Instream Rights Enforcement Discretion Agreement - *Swinomish v. Ecology* (TWR #117, Water Briefs: Nov. 15, 2013)

Arizona's "Strategic Vision for Water Supply Sustainability" (TWR #121, Water Briefs: March 15, 2014)

Nutrient Pollution - EPA Research Grants (TWR #121, Water Briefs: March 15, 2014)

[EPA Strategic Plan for 2014-2018 Issued: Climate Change Emphasis \(TWR #123, Water Briefs: May 15, 2014\)](#)

[Sustainable Groundwater Management Report Released by California Water Foundation \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

[California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon \(TWR #128, Oct. 15, 2014\)](#)

[Restoration Funding: 2015 Five Star/Urban Waters Restoration Program \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

[Speculation & Fracking: Transfer/Change Request Opposed in New Mexico \(TWR #131: Water Briefs, Jan. 15, 2015\)](#)

[Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson \(TWR #132: Feb. 15, 2015\)](#)

[The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt \(TWR #134: April 15, 2015\)](#)

[California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem \(TWR #135: May 15, 2015\)](#)

["Green Infrastructure and the Sustainable Communities Initiative" Published by HUD's Office of Economic Resilience \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[The Pope Talks On Water: Pope Francis' Encyclical on "The Issue of Water" \(TWR #137, Water Briefs: July 15, 2015\)](#)

[EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley \(TWR #140: Oct. 15, 2015\)](#)

[Sustainable Water Use: Historic Purchase to Preserve Basin Integrity \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Setting Measurable Objectives to Achieve Sustainable Groundwater Management in California \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

[Water & Power: Reclamation Science & Technology Development Projects \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Drought Proofing in Oklahoma: Water for 2060 \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

[Aquifer Recovery in Idaho: Governor's Budget Provides Funding to Reverse Decline of Idaho Aquifer Levels \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

Reuse & Conservation: EPA Research Funding Announced (TWR #146, Water Briefs: April 15, 2016)

Designing Effective Groundwater Sustainability Agencies: Criteria for Evaluation of Local Governance Options (CA) (TWR #146, Water Briefs: April 15, 2016)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

Liquid Assets: Investing for Impact in the Colorado Basin - Investment Blueprint Released (TWR #146, Water Briefs: April 15, 2016)

SYNERGISTIC IMPACTS/EFFECTS:

Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations (Congressional Research Service) by Claudia Copeland (TWR #128, Oct. 15, 2014)

Herbicide Disapproval: EPA Seeks Revocation of Enlist Duo (TWR #142, Water Briefs: Dec. 15, 2015)

SYNERGY ACCOUNTING:

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

SYNTHETIC PRECIPITATION LEACHING PROTOCOL (SPLP):

Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheume (TWR #139, Sept. 15, 2015)

SYSTEM REDUNDANCY:

Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly (TWR #131: Jan. 15, 2015)

SYSTEMS ENGINEERING:

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

SYSTEM UNDERSTANDING:

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

TAILWATER (see RETURN FLOW):

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

"TAKE" of an ENDANGERED SPECIES (see also Endangered Species Act):

The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor (TWR #110: April 15, 2013)

ESA Settlement by Karuk Tribe & Irrigation District: Dams & Diversions on Shasta River (TWR #119, Water Briefs: Jan. 15, 2014)

Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley (TWR #124: June 15, 2014)

Texas Permitting Rules Upheld: Whooping Cranes Lawsuit Reversed (TWR #125, Water Briefs: July 15, 2014)

Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation by Molly Lawrence (TWR #131: Jan. 15, 2015)

Whooping Crane ESA Case: Fifth Circuit Refuses to Reconsider ESA "Take" Challenge by David Moon (TWR #131: Jan. 15, 2015)

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

Whooping Cranes ESA Case: Supreme Court Declines Review - TCEQ Issuance of Water Permits Stands (TWR #137, Water Briefs: July 15, 2015)

TAKE OR PAY CONTRACT:

Finding "New Water" in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

"TAKINGS" of WATER RIGHTS and PROPERTY RIGHTS:

Endangered Species Act, Salmon & Western Water Law by Glenn Spain (TWR #1: March 15, 2004)

Groundwater Rights in Blended Basins: Storage, Ownership, Overdraft & Takings by Kevin O'Brien (TWR #3)

[Washington Water Law by David C. Moon \(TWR #4: June 15, 2004\)](#)

[Takings, Water Rights & The 5th Amendment by Michael Van Zandt \(TWR #6: August 15, 2004\)](#)

[The ESA and Water "Takings:" \\$16.7 Million Settlement Shakes Up Water World \(Interview with Roger Marzulla\) by Moon \(TWR #11: Jan. 15, 2005\)](#)

[Law of the Rio Grande \(Report from the 6th Annual Conference\) by David Moon, Editor \(TWR #13: March 15, 2005\)](#)

[Groundwater Holding: Nebraska Conjunctive Use \(TWR #13, Water Briefs: March 15, 2005\)](#)

[Klamath "Takings" - Irrigators' Claims Rejected \(TWR #19, Water Briefs, September 15, 2005\)](#)

[Takings and Water Rights: Constitutional & Contractual Remedies for Government Takings by Roger J. Marzulla \(TWR #21: Nov. 15, 2005\)](#)

[Klamath Decisions: Court Rulings on "Takings" and BiOp/RPA Sufficiency by Richard M. Glick \(TWR #22: Dec. 15, 2005\)](#)

[Arizona Groundwater Law by L. William Staudenmaier \(TWR #33: Nov. 15, 2006\)](#)

[ESA "Takings" Case: Water Required for Fish Ladder in California \(TWR #38, Water Briefs: April 15, 2007\)](#)

[Idaho Conjunctive Use: Idaho Supreme Court Upholds Conjunctive Water Rights Administration Rules by Jeff Fereday \(TWR #40, June 15, 2007\)](#)

[Klamath Basin "Takings" Decision, Minimum Flows Decision & USGS Groundwater Report \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Idaho Conjunctive Use: Idaho Supreme Court Upholds Conjunctive Water Rights Administration Rules by Jeff Fereday \(TWR #40, June 15, 2007\)](#)

[Water Delivery - Canals, Ditches and Pipelines: The Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton \(TWR #41: July 15, 2007\)](#)

[Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering \(TWR #43, Sept. 15, 2007\)](#)

[Columbia River Power System Draft BiOp: Judge Expresses Doubts \(TWR #47, Water Briefs: January 15, 2008\)](#)

["Takings" Appeal: Ownership of Water Rights Issues Certified to Oregon Supreme Court \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Endangered Species Act & Takings: Fifth Amendment Decision by David Moon \(TWR #57: November 15, 2008\)](#)

[Groundwater Recharge Upheld in Arizona: "Takings" and Tort Claims Denied \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Klamath "Takings" Case: Compensation Questions to be decided by Oregon Supreme Court \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

["Takings" Case Stands: US Decides Not to Appeal *Casitas* to Supreme Court \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Reclamation Found Liable - Breach of Contract and "Takings" Decision \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Klamath "Takings" - Ownership of Water Rights & the Bureau of Reclamation by David Moon \(TWR #74, April 15, 2010\)](#)

[Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill \(TWR #76: June 15, 2010\)](#)

[Takings Decision Issued by US Supreme Court: *Stop the Beach Renourishment* Case \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

Endangered Species Act, Take, and Water: *The Aransas Project v. Shaw, et al.* by Kathy Robb (TWR #85: March 15, 2011)

Water "Takings" Decision: Klamath Project Water Users Prevail by David Moon (TWR #85: March 15, 2011)

Conjunctive Use Decisions: Applying the Prior Appropriation Doctrine to Groundwater Use by David Moon (TWR #86: April 15, 2011)

Lake Lanier Ruling in the Southeast: Reclamation Reservoir & "Water Supply" Purpose 11th Circuit Decision (TWR #89, Water Briefs: July 15, 2011)

Takings & Water Rights: Applicability of the Takings Clause to Water Rights Regulations (Federal Circuit Developments) by Walston (TWR #93: Nov. 15, 2011)

Regulation & "Takings" - Senior Water Rights Upheld in Eighth Circuit Decision (TWR #94, Water Briefs: Dec. 15, 2011)

"Taking" Decision in US Court of Federal Claims (Beneficial Use & Damages) (TWR #95, Water Briefs: Jan. 15, 2012)

Groundwater Rights & Regulation in Texas: Ownership and "Takings" (TWR #97, Water Briefs: March 15, 2012)

Ski Area Water Rights: U.S. Forest Service Taking? (TWR #98, Water Briefs: April 15, 2012)

Texas Groundwater Ruling-*EAA v. Day*: Texas Supreme Court Confirms Landowner's Ownership of Groundwater in Place by McCarthy (TWR #99: May 15, 2012)

Historic Use & "Takings" Decision in Colorado: Transfer Application Prompts Review (TWR #100, Water Briefs: June 15, 2012)

Temporary Flooding Can Constitute 5th Amendment Takings: U.S. Supreme Court Decision (TWR #108, Water Briefs: Feb. 15, 2013)

"Takings" Claim Denied in *Casitas* Case: Beneficial Use & Injury Alleged (TWR #110, Water Briefs: April 15, 2013)

CSKT Water Rights Compact Unratified: Montana Legislature Refuses to Ratify Confederated Salish and Kootenai Tribes Compact by Weiner & Stermitz (TWR #114: August 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo (TWR #119: Jan. 15, 2014)

Temporary Flooding Found to Support "Takings" Award by Federal Circuit - Army Corps Project (TWR #119, Water Briefs: Jan. 15, 2014)

Climate Change & Public Trust Doctrine - Climate Change, Public Trust Doctrines & *PPL Montana* by Robin Kundis Craig (TWR #120: Feb. 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Federal ESA Decisions: Return of *Sweet Home* in Texas Whooping Crane Case by Richardson, Weinberg, Wang & Fansler (TWR #126: Aug. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

"Takings" Case Upheld for Groundwater Protection from Regulation in Texas (TWR #135, Water Briefs: May 15, 2015)

[Texas Takings Case: Procedural Rulings - Claims Dismissed \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[The Argument for the Prior Appropriation Doctrine to Allocate Water in the Western U.S. \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

[TAMARISK REMOVAL:](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[TANK CAR STANDARDS:](#)

[Crude Oil-By-Rail & the Endangered Species Act: Coming Soon to Train Tracks Near You? by Kristen L. Boyles \(TWR #136: June 15, 2015\)](#)

[TAX & TAX CREDITS:](#)

[Instream Flow Tax Credit Incentive Passed in Colorado \(TWR #64, Water Briefs: June 15, 2009\)](#)

[The Colorado Water Trust: Western Water Trusts & the Colorado Experience by Amy W. Beatie \(TWR #66: August 15, 2009\)](#)

[Arizona Groundwater Management by Sharon B. Megdal \(TWR #104: Oct. 15, 2012\)](#)

[At the Water-Energy Nexus: Renewable Energy from In-Conduit Hydropower by Jennifer Allen Newton \(TWR #112: June 15, 2013\)](#)

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill \(TWR #129: Nov. 15, 2014\)](#)

[TAXING POWER:](#)

[The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt \(TWR #134: April 15, 2015\)](#)

TCE:

Trichloroethylene (TCE) Health Assessment Released - Integrated Risk Information System Database (TWR #92, Water Briefs: Oct. 15, 2011)

Upcoming EPA Drinking Water Proposals by J. Alan Roberson, P.E. (TWR #103: Sept. 15, 2012)

Cleanup Settlement at Goodrich Superfund Site in California (EPA): TCA & Perchlorate (TWR #110, Water Briefs: April 15, 2013)

TECHNOLOGY (see also REUSE OF WATER & RECLAIMED WATER):

Containment Liners Technology Survey by EPA (TWR #5, Water Briefs: July 15, 2004)

Contaminant Data - EPA Forensic Tool for Evaluating Contamination (TWR #5, Water Briefs: July 15, 2004)

Canal Seepage - BOR Grant to Evaluate PAM (TWR #7, Water Briefs: Sept. 15, 2004)

Groundwater Replenishment - Orange County Water District Purification System (TWR #8, Water Briefs: Oct. 15, 2004)

EPA Withdrawal of Clean Water Act Pollution Detection Procedures (TWR #9, Water Briefs: Nov. 15, 2004)

Ground Water Right Transfers in the Snake River Plain, Idaho by Johnson, Harris, Contor and Cosgrove (TWR #10: Dec. 15, 2004)

EPA Water Quality Training Handbook (TWR #10, Water Briefs: Dec. 15, 2004)

Reclaimed Water Use Approved for Snowmaking by Forest Service (TWR #14, Water Briefs: April 15, 2005)

Pump and Treat - New EPA Guidance for Remediating Polluted Groundwater (TWR #14, Water Briefs: April 15, 2005)

Citizen's Guide on Institutional Controls Released by EPA (TWR #15, Water Briefs: May 15, 2005)

Stream Contamination Diagnostic Tool (EPA): Causal Analysis/Diagnosis Decision Information System (TWR #24, Water Briefs: February 15, 2006)

Small Drinking Water Systems: EPA Releases Water Tools and Variances (TWR #25, Water Briefs: March 15, 2006)

Mixing Zones - An Overview of Some Western States by Gregg Bryden (TWR #28, June 15, 2006)

Analysis of Mercury in Water and Sediment by James Ateer, Betsy Henry, Kathi Futornick, Gary Bigham (TWR #32: October 15, 2006)

Wastewater Treatment-Benefits of Moving Beyond Minimum Reqmts.: King County's Brightwater Project by Hummel (TWR #46: December 15, 2007)

Irrigation System Efficiency: Emerging Technologies by Mac McKee (TWR #46: December 15, 2007)

Interstate Water Quality Litigation: Surface and Groundwater Contamination Alleged (OK/AR) (TWR #46, Water Briefs: December 15, 2007)

Hydropower and Fish - Northwest Challenge: Keeping Fish and Clean Hydro by F. Lorraine Bodi and Dulcy Mahar (TWR #47: January 15, 2008)

Groundwater Replenishment & Water Reuse: Orange County California's Water Purification and Reuse Project by Michael R. Markus (TWR #59: Jan. 15, 2009)

[At the Water-Energy Nexus: Renewable Energy from In-Conduit Hydropower](#) by Jennifer Allen Newton (TWR #112: June 15, 2013)

[Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies](#) by Grace Richardson (TWR #132: Feb. 15, 2015)

[Recycled Water Rules in New Mexico: "Produced Water" Reuse Allowed](#) (TWR #134, Water Briefs: April 15, 2015)

[EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley](#) (TWR #140: Oct. 15, 2015)

TECHNOLOGY INNOVATION:

[Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies](#) by Grace Richardson (TWR #132: Feb. 15, 2015)

TEMPERATURE: WATER QUALITY (see also [Water Quality Trading](#)):

[Water Quality and Temperature Trading: Regulatory Innovation in the Tualatin Basin](#) by Bruce Cordon (TWR #24: February 15, 2006)

[Water Quality Litigation: Oregon's "State-of-the-Art" Water Quality Standards Challenge](#) by Richard M. Glick (TWR #24: February 15, 2006)

[CWA & ESA Intersections - Water Quality & ESA Section 7: Northwest Examples](#) by Melanie J. Rowland (TWR #25: March 15, 2006)

[ESA & CWA: Endangered Species Act Influences on EPA's Clean Water Act Programs \(The Washington State Example\)](#) by Palmer (TWR #37: March 15, 2007)

[Water Quality Standards & Hydropower Dams: Finding Concrete Solutions](#) by Rebecca Sherman, Brett Swift and Rick Eichstaedt (TWR #45, Nov. 15, 2007)

[Hydropower and Fish - Northwest Challenge: Keeping Fish and Clean Hydro](#) by F. Lorraine Bodi and Dulcy Mahar (TWR #47: January 15, 2008)

[TMDL Challenges in Development and Implementation](#) by David L. Clark, Jory Oppenheimer, and Michael Kasch (TWR #47: January 15, 2008)

[Willamette River Basin Fish Restoration - "Stepping Stones": Supporting Prioritized Restoration and Investment in Multiple Ecosystem Services](#) by Hulse & Gregory (TWR #49: March 15, 2008)

[Water Quality Thermal Credit Trading: Methods for Quantifying Thermal Credits](#) by Dupuis, Smesrud, Wirz & Primozich (TWR #52: June 15, 2008)

[Water Quality Data: Real-Time Info on USGS Websites](#) (TWR #52, Water Briefs: June 15, 2008)

[Ecomarket Approaches to Addressing Water Quality Obligations: Legal Overview and the Hells Canyon Test Case](#) by Glick & Nocar (TWR #63: May 15, 2009)

[Regional U.S. Impacts of Global Climate Change: Federal Report Provides Assessment of National & Regional Impacts](#) (TWR #65, Water Briefs: July 15, 2009)

[Aquifer Storage & Recovery: Advantages, Challenges, Applications & Approaches for Expanding ASR in the West](#) by Burt and Barry (TWR #91: Sept. 15, 2011)

Climate Change & San Francisco Bay Watershed: Watershed Impacts for the Coming Century-Edited/Condensed from: James Cloern (TWR #94: Dec. 15, 2011)

Environmental Markets: Using Environmental Markets to Expand the Pace and Scale of Restoration by Alan Horton and Marley Gaddis (TWR #94: Dec. 15, 2011)

Thermal Trading: Oregon Approves Regional Thermal Credit Program for Temperature Standards (TWR #95, Water Briefs: Jan. 15, 2012)

Oregon Temperature Water Quality Standards Upheld (Sort Of) by Richard M. Glick (TWR #98: April 15, 2012)

Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whychus Creek by Pamela Thalacker (TWR #101: July 15, 2012)

2008-2009 National Rivers and Stream Assessment - EPA Stream Survey (TWR #110, Water Briefs: April 15, 2013)

Water Quality Trading: An Update on Lawsuits and Legal Challenges by Teresa Jacobs and Priscilla Hampton (TWR #112: June 15, 2013)

Oregon's Temperature Criteria Standards Rejected by EPA (TWR #114, Water Briefs: August 15, 2013)

Rio Grande Water: Upper & Lower Basin Studies Released by Reclamation (TWR #120, Water Briefs: Feb. 15, 2014)

Riparian Restoration in Wyoming: Coordinated Resource Management - Livestock Grazing Practices (TWR #121, Water Briefs: March 15, 2014)

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

Northwest Water Quality Trading: Joint Recommendations in the Pacific Northwest by Sanneman, Cochran, Culliney, Furia, Power & Wigington (TWR #125: July 15, 2014)

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

Reclamation Increases Flow Releases - Lower Klamath River Supplement from Trinity Reservoir (TWR #127, Water Briefs: Sept. 15, 2014)

Water Quality Trading: States' Pilot Projects and Recommendations (TWR #127, Water Briefs: Sept. 15, 2014)

Intergovernmental Panel on Climate Change (IPCC) 5th Synthesis Report (TWR #130: Water Briefs, Dec. 15, 2014)

Ongoing Drought in the Southwest and Central Plains: Climate Change Megadrought Predicted (TWR #133, Water Briefs: March 15, 2015)

State of Salmon in Watersheds Report & Interactive Website in Washington State (TWR #134, Water Briefs: April 15, 2015)

EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley (TWR #140: Oct. 15, 2015)

Oregon Forestry Sets Riparian Buffers for Temperature Requirements (TWR #141, Water Briefs: Nov. 15, 2015)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

Fishery Regulations in California: Information Order & Potential Fines For Noncompliance (TWR #143, Water Briefs: Jan. 15, 2016)

Climate Change Report on Oregon's Willamette Valley: Reclamation Reservoirs Buffer Impacts (TWR #143, Water Briefs: Jan. 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Nevada's 303(d) List Show Progress on Impaired Waterways (TWR #146, Water Briefs: April 15, 2016)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher (TWR #148: June 15, 2016)

"TEMPORAL REQUIREMENT":

Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations (Congressional Research Service) by Claudia Copeland (TWR #128, Oct. 15, 2014)

TEMPORARY CHANGES or TRANSFERS OF WATER RIGHTS (see also Leases):

Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs (TWR #36, February 15, 2007)

Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol (TWR #121: March 15, 2014)

Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones (TWR #138, August 15, 2015)

Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

TEMPORARY CURTAILMENT LIFT:

Drought Curtailments in California: Temporary Curtailment Liftings Possible (TWR #128, Water Briefs, Oct. 15, 2014)

TEMPORARY REDUCTIONS:

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

"TEMPORARY TRUST WATER":

Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon (TWR #118, Dec. 15, 2013)

TEMPORARY USES:

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)
Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

"TEMPORARY WATER USE PERMIT" - TWUP:

Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon (TWR #141: Nov. 15, 2015)

TEMPORARY WITHDRAWALS:

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

TESTING PLANS:

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

TEXAS WATER LAW and WATER QUALITY:

The Rule of Capture and the Edwards Aquifer Adjudication by Darcy Frownfelter (TWR #1: March 15, 2004)
Water Marketing and Transfers in Texas by Ronald A. Kaiser (TWR #10: Dec. 15, 2004)
Aquifer Storage Recovery: The Texas Perspective by Edmond R. McCarthy Jr., Sheridan L. Gilkerson and James C. Dwyer (TWR #19: September 15, 2005)
Instream Flows: Study in Texas (TWR #22, Water Briefs: Dec. 15, 2005)
Instream Flow Program Proposal in Texas Critiqued (TWR #24, Water Briefs: February 15, 2006)
Instream Flow Decision: Nonprofit Applications Upheld in Texas (TWR #25, Water Briefs: March 15, 2006)
Texas Groundwater - Rule of Capture and Groundwater Management in Texas: Part I by Bruce K. Darling (TWR #38: April 15, 2007)
Groundwater in Texas: Marketability and Market Value by Bruce K. Darling, Ph.D. (Austin, TX) (TWR #41: July 15, 2007)
Western States Water Update: Western States Water Council Meets in Montana by David C. Moon (TWR #44, Oct. 15, 2007)
Texas Water Law: An Update on Recent Legislation and Case Law by Deborah Clarke Trejo and Tina Alvarado Arnold (TWR #49: March 15, 2008)

- New Mexico Legislation Provides Flexibility to Purchase and Sever Water Rights from Land (Pecos Compact) (TWR #49, Water Briefs: March 15, 2008)
- Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer (TWR #50: April 15, 2008)
- Effluent Discharges From Refinery: Clean Water Act \$1.2 Million Penalty in Texas (TWR #50, Water Briefs: April 15, 2008)
- Anti-Speculation Article Response - Mesa Water LLP (TWR #52: June 15, 2008)
- Groundwater Availability Modeling: The Texas Experience by Van Kelley, Robert Mace, and Neil Deeds (TWR #54, August 15, 2008)
- Stream Analysis Survey: EPA Grant for Texas Commission on Environmental Quality (TWR #54, Water Briefs: August 15, 2008)
- CAFO Violations Lead to EPA Enforcement Actions in Texas (TWR #55, Water Briefs: September 15, 2008)
- CAFO Cease and Desist in Texas: Clean Water Act Violations (TWR #56, Water Briefs: October 15, 2008)
- Resolving ESA-Water Conflicts: The Edwards Aquifer Recovery Implementation Program by Gulley and Votteler (TWR #58: December 15, 2008)
- Interstate Water Ruling: Texas Water Users' Lawsuit Against Oklahoma to Continue (TWR #58, Water Briefs: December 15, 2008)
- Water Marketing in Texas: Selling or Leasing of Groundwater and Surface Water Rights by Edmond R. McCarthy, Jr. (TWR #62: April 15, 2009)
- Conversion of Irrigation Rights to Municipal & Industrial Rights: Legislation, Court Case & Transactions - Lower Rio Grande by Jarvis (TWR #62: April 15, 2009)
- Groundwater Report: *Down to the Last Drop* - Texas Report from the Environmental Defense Fund
- Environmental Flows Guidance Released by TCEQ (TWR #65, Water Briefs: July 15, 2009)
- Stormwater Agreement in Texas: Contractors & Agencies Pilot Program (TWR #68, Water Briefs: Oct. 15, 2009)
- New Era of Interbasin Water Transfers: Part II by Barbara Cosens (TWR #73: March 15, 2010)
- Aquifer Storage & Recovery Regulation: Survey of UIC-ASR Regulation in Different States, Chase Hahn (TWR #74, April 15, 2010)
- TCEQ Endangered Species Act Suit in Texas: Freshwater Inflows to Refuge (TWR #74, Water Briefs: April 15, 2010)
- Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill (TWR #76: June 15, 2010)
- Nebraska's Evolving Water Law: Challenges and Opportunities Part I by Mary E. Kelly (TWR #81: November 15, 2010)
- Nebraska's Evolving Water Law: Challenges & Opportunities - Part II by Mary E. Kelly (TWR #82: Dec. 15, 2010)
- Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma (Sardis Reservoir) by Greetham (TWR #82: Dec. 15, 2010)
- Nebraska's Evolving Water Law: Challenges & Opportunities - Part II by Mary E. Kelly (TWR #82: Dec. 15, 2010)
- Clean Water Permits: EPA Requests Action on Expired Sewage Treatment & Industrial Permits in Texas (TWR #82, Water Briefs: Dec. 15, 2010)

Drinking Water Contamination From Fracking in Texas: EPA Order (TWR #83, Water Briefs: Jan. 15, 2011)

EPA Complaint Filed: Emergency Order Enforcement in Texas (TWR #84, Water Briefs: Feb. 15, 2011)

Endangered Species Act, Take, and Water: *The Aransas Project v. Shaw, et al.* by Kathy Robb (TWR #85: March 15, 2011)

Water Use Curtailment in Texas: TCEQ Considers Drought Response (Priority, Riparian Rights & Contingency Plans) (TWR #87, Water Briefs: May 15, 2011)

Water Treatment Innovations: Reclamation WaterSMART Awards Grants to California & Texas Study Projects (TWR #90, Water Briefs: August 15, 2011)

Water Rights & Regulatory Authority Issues: Chickasaw & Choctaw Nations File Lawsuit Opposing Water Transfer by David Moon (TWR #91: Sept. 15, 2011)

Water Supply: Drought Response Initiatives in Texas (TWR #94, Water Briefs: Dec. 15, 2011)

Construing Speculative Use: TCEQ Remands Million Acre-Foot Water Application for Brazos River Basin by David Moon, Editor (TWR #96: Feb. 15, 2012)

2012 Texas State Water Plan Adopted by the Texas Water Development Board (TWR #96, Water Briefs: Feb. 15, 2012)

Groundwater Rights & Regulation in Texas: Ownership and "Takings" (TWR #97, Water Briefs: March 15, 2012)

Texas Groundwater Ruling-*EAA v. Day*: Texas Supreme Court Confirms Landowner's Ownership of Groundwater in Place by McCarthy (TWR #99: May 15, 2012)

Environmental Flows: TCEQ Approves New Permit Rules for Several Rivers and Bays (Surface Water) (TWR #103, Water Briefs: Sept. 15, 2012)

Nonpoint Source Pollution: Restoration Success in Texas Using Voluntary BMPs (TWR #103, Water Briefs: Sept. 15, 2012)

Environmental Flows Standards and Strategies Recommendations Report - Brazos River & Estuary Submitted to TCEQ (TWR #104, Water Briefs: Oct. 15, 2012)

Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie (TWR #105: Nov. 15, 2012)

Interstate Compact Litigation Between Oklahoma & Texas: U.S. Solicitor General Files Opinion (TWR #106, Water Briefs: Dec. 15, 2012)

Priority Regulation in Texas - Brazos River Call (TWR #106, Water Briefs: Dec. 15, 2012)

Texas v. New Mexico - Texas Sues Over Water Deliveries Under the Rio Grande Compact (U.S. Supreme Court) (TWR #107, Water Briefs: January 15, 2013)

Interstate Lawsuit on Red River Compact to be Heard by U.S. Supreme Court - Texas & Oklahoma (TWR #108, Water Briefs: Feb. 15, 2013)

The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor (TWR #110: April 15, 2013)

Texas ESA Decision on Whooping Crane Protection Draws Rebuttals: TCEQ & Texas Farm Bureau Weigh In (TWR #110, Water Briefs: April 15, 2013)

Texas Accuses Mexico of Withholding Water from Rio Grande: IBWC Urged to Compel Delivery (TWR #111, Water Briefs: May 15, 2013)

Water Supply Fund in Texas: \$2 Billion Investment Depends on Texans' Vote Following Passage by Legislature (TWR #112, Water Briefs: June 15, 2013)

State Control of Water: U.S. Supreme Court Rules for Oklahoma - Interstate Compact & Commerce Clause Issues by David Moon (TWR #113: July 15, 2013)

"Addressing Mexico's Water Deficit to the United States" - Report Released by Texas Officials Concerning the Rio Grande (TWR #113, Water Briefs: July 15, 2013)

Interstate Water Compacts: The US Supreme Court's *Tarrant* Decision and the Risk of Silence by Steven Richardson (TWR #116: Oct. 15, 2013)

Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo (TWR #119: Jan. 15, 2014)

Rio Grande Compact - Lawsuit Between Texas & New Mexico: U.S. Solicitor General's Brief Filed (TWR #119, Water Briefs: Jan. 15, 2014)

Wetlands Restoration: New Re-Excavation Method Successful According to Texas A&M AgriLife Extension Service (TWR #119, Water Briefs: Jan. 15, 2014)

Rio Grande Water: Upper & Lower Basin Studies Released by Reclamation (TWR #120, Water Briefs: Feb. 15, 2014)

Texas v. New Mexico: Supreme Court Grants Texas the Right to Proceed (TWR #120, Water Briefs: Feb. 15, 2014)

New Mexico Response Filed to U.S. Motion to Intervene: *Texas v. New Mexico* (TWR #122, Water Briefs: April 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Fracking Verdict in Texas: Jury Awards \$3 Million Damages to Family for Exposure (TWR #123, Water Briefs: May 15, 2014)

Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley (TWR #124: June 15, 2014)

Texas Permitting Rules Upheld: Whooping Cranes Lawsuit Reversed (TWR #125, Water Briefs: July 15, 2014)

Brownfields Funding: Austin Receives EPA Grants (TWR #125, Water Briefs: July 15, 2014)

Federal ESA Decisions: Return of *Sweet Home* in Texas Whooping Crane Case by Richardson, Weinberg, Wang & Fansler (TWR #126: Aug. 15, 2014)

Rainwater Harvest in Texas: How-To Video & Manual Available (TWR #128, Water Briefs, Oct. 15, 2014)

Texas v. New Mexico and Colorado: Special Master Appointed for Interstate Compact Case (TWR #129: Water Briefs, Nov. 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Whooping Crane ESA Case: Fifth Circuit Refuses to Reconsider ESA "Take" Challenge by David Moon (TWR #131: Jan. 15, 2015)

The Impacts of EPA's Clean Power Plan on Electricity Generation and Water Use in Texas (TWR #131: Water Briefs, Jan. 15, 2015)

Fracturing Data & Trends Released by USGS for 1947-2010 (TWR #132, Water Briefs: Feb. 15, 2015)

[Preferences During Shortage Rejected in Texas - "Senior" Water Rights Protected \(TWR #135, Water Briefs: May 15, 2015\)](#)

["Takings" Case Upheld for Groundwater Protection from Regulation in Texas \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Habitat Conservation Plan \(HCP\) for Edwards Aquifer in Texas - Review Released \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Texas Takings Case: Procedural Rulings - Claims Dismissed \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Whooping Cranes ESA Case: Supreme Court Declines Review - TCEQ Issuance of Water Permits Stands \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[WRF Published Water Efficiency Study: Residential End Uses of Water, Version 2 \(2016\) \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Texas Water Plan/Management Strategies: 2017 Plan Released \(TWR #148, Water Briefs: June 15, 2016\)](#)

[THERMAL DISTILLATION:](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[THERMAL TRADING:](#)

[Thermal Trading: Oregon Approves Regional Thermal Credit Program for Temperature Standards \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[THERMOELECTRIC COOLING / THERMOELECTRIC POWER:](#)

[Energy-Water Nexus: The Water Sector's Energy Use & the Energy Sector's Water Use \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[USGS Water Use Report Released: Withdrawals Dropping \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[USGS Releases "Estimated Freshwater Withdrawals in Washington, 2010 Report" \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative \(TWR #146: April 15, 2016\)](#)

[THIRD-PARTY MITIGATION:](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

THREAT RECOGNITION:

Measuring Water Resource Resilience by J. Scott Thomas & David A. Kerner (TWR #132: Feb. 15, 2015)

TIDAL LANDS:

Climate Change & Public Trust Doctrine - Climate Change, Public Trust Doctrines & *PPL Montana* by Robin Kundis Craig (TWR #120: Feb. 15, 2014)

TIERED APPROACH:

Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher (TWR #148: June 15, 2016)

TIER PRICING or TIERED RATES:

Urban Water Conservation in Southern California: Encouraging Conservation Through Tradeable Allocations & Market Mechanisms by Bond, Motlow, Steely, Wang & Libecap (TWR #136: June 15, 2015)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

TILING SYSTEMS:

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

TIMED RECHARGE:

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

TIME HORIZONS:

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

TIME IMMEMORIAL CLAIMS (see also TRIBAL WATER RIGHTS):

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Klamath Basin Regulation: Time Immemorial Instream Rights of Tribes Protected (TWR #139, Water Briefs: Sept. 15, 2015)

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

TIMING:

Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

TITLE RESTRICTION:

Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon (TWR #118, Dec. 15, 2013)

TMDLs (TOTAL MAXIMUM DAILY LOADS):

Basin-Wide TMDL Development: Impacts on NPDES Permits by Suzanne C. Lacampagne and Jason B. Joner (TWR #9: Nov. 15, 2004)

TMDL Lawsuits - EPA Website (TWR #9, Water Briefs: Nov. 15, 2004)

TMDL Water Quality Plan for the Upper Eel River (TWR #12, Water Briefs: Feb. 15, 2005)

Washington Water Regulation: New Department of Ecology Director Jay Manning, Interview by David C. Moon, Editor (TWR #23, Jan. 15, 2006)

CWA & ESA Intersections - Water Quality & ESA Section 7: Northwest Examples by Melanie J. Rowland (TWR #25: March 15, 2006)

Use Attainability Analysis: Friend or Foe? by John Spencer and Tom Dupuis, CH2M Hill (TWR #27: May 15, 2006)

Mixing Zones - An Overview of Some Western States by Gregg Bryden (TWR #28, June 15, 2006)

Long-Range Water Planning: Comprehensive Process in Central Oregon's Deschutes Basin by Bruce Aylward and David Newton (TWR #29: July 15, 2006)

Mercury Contamination: A West Coast Perspective by Katherine Futornick, Gary Bigham, and Betsy Henry (TWR #31; September 15, 2006)

Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources (TWR #34: December 15, 2006)

[Water Quality Modeling Tool: EPA Releases New Version \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Interstate Water Allocation by Christopher H. Meyer, Givens Pursley LLP \(Boise, Idaho\) \(TWR #42: August 15, 2007\)](#)

[Nutrient Numeric Endpoints: Not Quite Ready for Prime Time? by Jeremy N. Jungreis and Scott Thomas \(TWR #42: August 15, 2007\)](#)

[TMDL Options: EPA Draft Technical Document \(TWR #42, Water Briefs: August 15, 2007\)](#)

[Response to "Nutrient Numeric Endpoints: Not Quite Ready for Prime Time?" \(Jungreis & Thomas, TWR #42\) by Butcher & Gorham-Test \(TWR #43, Sept. 15, 2007\)](#)

[Utah Nonpoint Source Grant Program: Why Is It Needed? - How Will It Work? by Shelly Quick \(TWR #44, Oct. 15, 2007\)](#)

[Western States Water Update: Western States Water Council Meets in Montana by David C. Moon \(TWR #44, Oct. 15, 2007\)](#)

[Water Quality Standards & Hydropower Dams: Finding Concrete Solutions by Rebecca Sherman, Brett Swift and Rick Eichstaedt \(TWR #45, Nov. 15, 2007\)](#)

[Nutrient Numeric Endpoint Development \(Brief Reply to Response of Dr. Jonathan Butcher and Ms. Cynthia Gorham Test\) by Jungreis & Thomas \(TWR #45, Nov. 15, 2007\)](#)

[Impaired Waters and Permitting: Implications of the *Pinto Creek* Decision by Jeremy N. Jungreis \(TWR #46: December 15, 2007\)](#)

[TMDL Challenges in Development and Implementation by David L. Clark, Jory Oppenheimer, and Michael Kasch \(TWR #47: January 15, 2008\)](#)

[Water Quality Thermal Credit Trading: Methods for Quantifying Thermal Credits by Dupuis, Smesrud, Wirz & Primozich \(TWR #52: June 15, 2008\)](#)

[Phytotreatment of Stormwater: Phytotreatment Findings Betoken a Promising Future by MacDonald, Dods, Futornick & Ferro \(TWR #53: July 15, 2008\)](#)

[Storm Water Regulation Update: Rough Waters In California by Wendy L. Manley \(TWR #55: September 15, 2008\)](#)

[Nonpoint Source Pollution Control Web Reference Guide Released by SWRCB \(TWR #59, Water Briefs: Jan. 15, 2009\)](#)

[NPDES Ruling: US Supreme Court Denies Appeal in *Friends of Pinto Creek v. EPA* \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Klamath Settlement Agreements: Charting a New Direction by Glen Spain \(TWR #70: Dec. 15, 2009\)](#)

[Residual Designation Authority: New Applications of Seldom-Used Clean Water Act Regulatory Tool by Robert W. Varney \(TWR #71: Jan. 15, 2010\)](#)

[Washington Stormwater Regulation: New Industrial Stormwater General Permit by Jeff Kray \(TWR #75: May 15, 2010\)](#)

[Klamath River TMDL: California Action Plan Approved \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Phosphorus TMDL - Spokane River TMDL Upheld \(Dispute Resolution Outcome\) \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Water Quality Standards Revision: EPA Listening Sessions August 24 & 26 \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Phosphorus Removal: Boise Proposes Innovative Offset Project \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

Coastal Logging: Water Quality Lawsuit Impacts State Logging Practices - Enforceable Nonpoint Limits to be Established (TWR #80, Water Briefs: Oct. 15, 2010)

Klamath TMDLs: California Plan Approved - Oregon TMDLs Upcoming (TWR #83, Water Briefs: Jan. 15, 2011)

Stormwater and TMDL Allocations: EPA Recommends Stormwater Permit Numeric Wasteload Allocations by Eric Strecker (TWR #85: March 15, 2011)

Landowner Rights Decision: Standing to Challenge "Impaired Waters" 303(d) Listing Under Clean Water Act (TWR #85, Water Briefs: March 15, 2011)

CWA Integrated Reporting Memorandum for 2012 Reporting Cycle (Water Quality Reports) (TWR #86, Water Briefs: April 15, 2011)

Polluted Waters List: 303(d) List Submitted by California (TWR #93, Water Briefs: Nov. 15, 2011)

Environmental Markets: Using Environmental Markets to Expand the Pace and Scale of Restoration by Horton & Gaddis (TWR #94: Dec. 15, 2011)

PCB TMDL Guidance Released by EPA (TWR #95, Water Briefs: Jan. 15, 2012)

Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey (TWR #97: March 15, 2012)

Industrial Stormwater Permitting: Status and Trends in Western States by Gregg Bryden (TWR #98: April 15, 2012)

Clean Water Act and Pollutant Total Maximum Daily Loads - Congressional Research Service Report to Congress (TWR #104, Water Briefs: Oct. 15, 2012)

Lawsuit Challenges All Water Quality Trading - Comments by Tom Lindley (TWR #105: Nov. 15, 2012)

Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase (TWR #108: Feb. 15, 2013)

Green Infrastructure Factsheets on Permitting & Enforcement Released by EPA - NPDES Wet Weather Programs (TWR #108, Water Briefs: Feb. 15, 2013)

California Small MS4s Regulation: State Adopts New Stormwater Regulations & Expands Program by Wendy Manley (TWR #109: March 15, 2013)

Water Quality Assessment Map Announced in Utah: Tool for Beneficial Uses and Water Quality Conditions (TWR #111, Water Briefs: May 15, 2013)

Water Quality Trading: An Update on Lawsuits and Legal Challenges by Teresa Jacobs and Priscilla Hampton (TWR #112: June 15, 2013)

Nutrient Trading & Water Quality by Susan Parker Bodine (TWR #113: July 15, 2013)

California's Freshwater Nutrient Numeric Endpoint (NNE) Approach: Re-evaluating the Santa Margarita River Case Study by Thomas, Gindlesperger & Barnard (TWR #115: Sept. 15, 2013)

TMDLs: Long-Term Vision for Assessment, Restoration, and Protection Under CWA Section 303(d) (TWR #119, Water Briefs: Jan. 15, 2014)

TMDL Report - GAO Recommends Changes: Nonpoint Source Regulation Included (TWR #120, Water Briefs: Feb. 15, 2014)

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

Fish Consumption Rates: Idaho DEQ Implementing Statewide Survey for Water Quality Criteria (TWR #123, Water Briefs: May 15, 2014)

California's New Industrial Storm Water Permit by Wendy L. Manley, Wendel Rosen Black & Dean, LLP (TWR #124: June 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

EPA's "Managing Water Quality in the Face of Uncertainty" Report & "Addressing Climate Change in the Water Sector" Website (TWR #141, Water Briefs: Nov. 15, 2015)

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

Proposed Rule on Regulatory Procedures for Tribes to Obtain TAS for Impaired Water Listing & TMDL Program (TWR #144, Water Briefs: Feb. 15, 2016)

Nevada's 303(d) List Show Progress on Impaired Waterways (TWR #146, Water Briefs: April 15, 2016)

TOLIETS:

Turf & Toilets Rebate Programs in California (TWR #139, Water Briefs: Sept. 15, 2015)

TOTAL PETROLEUM HYDROCARBONS (TPH-Oil):

Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheume (TWR #139, Sept. 15, 2015)

TORT LAW:

Public Drinking Water Contamination by Michael Axline and Duane Miller (TWR #5: July 15, 2004)

Coalbed Methane Produced Groundwater: A Survey of Western Water Law Regulation by Sarah A. Klahn & Jack Tuholske (TWR #77: July 15, 2010)

Texas Groundwater Ruling-*EAA v. Day*: Texas Supreme Court Confirms Landowner's Ownership of Groundwater in Place by McCarthy (TWR #99: May 15, 2012)

Federal Power Act Preempts Damage Claims Under State Tort Law - Fifth Circuit Ruling (TWR #117, Water Briefs: Nov. 15, 2013)

TOTAL COLIFORM:

[Total Coliform Rule - EPA Revisions \(TWR #109, Water Briefs: March 15, 2013\)](#)

[TOTAL SUSPENDED SOLIDS \(TSS\):](#)

[Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheume \(TWR #139, Sept. 15, 2015\)](#)

["TOTAL USE":](#)

[Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer \(TWR #127: Sept. 15, 2014\)](#)

[TOXICS/TOXICITY:](#)

[Contaminant Data - EPA Forensic Tool for Evaluating Contamination \(TWR #5, Water Briefs: July 15, 2004\)](#)

[Toxicity Guidance EPA Draft: WET Testing in NPDES Permits \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Parking Lot Toxics: Sealcoating Runoff \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[Tribal Fish Consumption and Water Quality Standards by J.D. Williams \(TWR #32: October 15, 2006\)](#)

[Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources \(TWR #34: December 15, 2006\)](#)

[Wood Waste & Water: Washington State's New Wood Waste Cleanup Push by Thiele, Steding & Hermann \(TWR #39: May 15, 2007\)](#)

[Studies Find Persistent Toxics in Water \(Washington\) \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Water Quality Standards Settlement in Oregon: Toxics & ESA Protection \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Columbia River Toxics: EPA's Columbia River Basin State of the River Report for Toxics by Mary Lou Soscia and Kim Johnson \(TWR #58: December 15, 2008\)](#)

[Puget Sound Cleanup Plan Adopted: Action Agenda \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Hanford Contamination Lawsuit: Washington Sues DOE Over Cleanup Failure \(TWR #58, Water Briefs: December 15, 2008\)](#)

[DOE Fined by EPA for Cleanup Shutdown of Toxic Wastes Lawrence Livermore National Laboratory \(TWR #62, Water Briefs: April 15, 2009\)](#)

[Wastewater Treatment: Puget Sound Issues - Increased Stringency \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Power Plant Discharge: EPA Revising Wastewater Rules \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Contamination Study Agreement by Ecology and Port - Bellingham Toxics Site \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[New Stormwater Limits for Runoff from Industrial Facilities in Washington \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

- Toxics Regulation: States Push for Toxic Substances Control Act Reform (TWR #71, Water Briefs: Jan. 15, 2010)
- Chemicals of Concern List: EPA's Toxic Substances Control Act Actions (TWR #71, Water Briefs: Jan. 15, 2010)
- Toxics Inventories: EPA Proposed Toxics Release Inventory Expansion (TWR #75, Water Briefs: May 15, 2010)
- Draft Columbia River Toxics Reduction Action Plan: Comments Sought (TWR #76, Water Briefs: June 15, 2010)
- Columbia River Basin Toxics Reduction: Action Plan in Effect by Mary Lou Soscia (TWR #84: Feb. 15, 2011)
- Toxics & Drinking Water: Perchlorate Regulation Announced by EPA (TWR #84, Water Briefs: Feb. 15, 2011)
- Dissolved Metals in Stormwater: Biotic Ligand Model - New Treatment Paradigm by Wisdom & Bucich (TWR #86: April 15, 2011)
- Chemical Toxicity: Robot Screening System Unveiled (TWR #86, Water Briefs: April 15, 2011)
- Fish Consumption & Tribes: Revised Water Quality Standards in Oregon (TWR #89, Water Briefs: July 15, 2011)
- Toxic Pollutants Standards & Fish Consumption Rate: EPA Approves Oregon's CWA Revisions (TWR #93, Water Briefs: Nov. 15, 2011)
- Toxics Reduction: Puget Sound Pollution Report Released by Ecology in Washington (TWR #94, Water Briefs: Dec. 15, 2011)
- EPA Effluent Guidelines: Proposed Regulation of Shale Gas & Coalbed Methane Effluent by Campbell & Howe (TWR #96: Feb. 15, 2012)
- Toxics Release Inventory (TRI) - 2010 Northwest Analysis Released (TWR #96, Water Briefs: Feb. 15, 2012)
- Groundwater Cleanup at Superfund Site in Los Angeles: \$6 Million Settlement (Drinking Water Protection) (TWR #101, Water Briefs: July 15, 2012)
- Contaminants in Wastewater Effluent & Stormwater Runoff - Columbia River Basin: USGS Study (TWR #101, Water Briefs: July 15, 2012)
- EPA Proposing to Amend Effluent Limitations Guidelines & Standards for Steam Electric Power Generating (TWR #111, Water Briefs: May 15, 2013)
- Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)
- EPA Enforcement & Compliance Report Issued for 2013 (TWR #120, Water Briefs: Feb. 15, 2014)
- Superfund Cleanup in Humboldt Bay Pulp Mill Site in California (TWR #123, Water Briefs: May 15, 2014)
- PCB Contamination: Record Civil Penalty Announced by EPA in Nevada (TWR #124, Water Briefs: June 15, 2014)
- Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)
- Dam Pollution Settlement: Oil Leakage at Columbia & Snake River Dams and the Clean Water Act (TWR #126, Water Briefs: Aug. 15, 2014)
- Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations (Congressional Research Service) by Claudia Copeland (TWR #128, Oct. 15, 2014)
- Fish Consumption Rate: Water Quality Standards Proposed in Washington State (TWR #128, Water Briefs, Oct. 15, 2014)
- Fish Consumption Rule & Toxics Standards Proposal for Washington (TWR #132, Water Briefs: Feb. 15, 2015)

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

Delta Stormwater Settlement: Toxic Discharges Suit Under ESA & Clean Water Act (TWR #140, Water Briefs: Oct. 15, 2015)

Roundup/Glyphosate Classified "Carcinogenic" by California's EPA (TWR #140, Water Briefs: Oct. 15, 2015)

Steam Electric Plants Toxic Pollutants Discharges: Rule Finalized by EPA (TWR #140, Water Briefs: Oct. 15, 2015)

Stormwater Lawsuit: Oakland Sues Monsanto Over PCBs (TWR #142, Water Briefs: Dec. 15, 2015)

Herbicide Disapproval: EPA Seeks Revocation of Enlist Duo (TWR #142, Water Briefs: Dec. 15, 2015)

Transboundary Cooperation in the International Columbia River Basin: A Preliminary Assessment of Existing Arrangements & Future Prospects (TWR #142, Water Briefs: Dec. 15, 2015)

Microbeads Banned in US By Federal Legislation (TWR #143, Water Briefs: Jan. 15, 2016)

Clean Watersheds Needs Survey Released by EPA (TWR #144, Water Briefs: Feb. 15, 2016)

Fracking & Drinking Water Sources: Stanford Researchers Show Fracking's Impact to Drinking Water Sources by Rob Jordan (TWR #146: April 15, 2016)

Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher (TWR #148: June 15, 2016)

TRACKING CONSERVATION:

"Quantified Conservation" - Measurement & Tracking of Environmental Outcomes & Impact by The Freshwater Trust (TWR #144, Water Briefs: Feb. 15, 2016)

TRADE SECRETS:

Fracking Disclosure: Trade Secrets Protected in Wyoming (TWR #110, Water Briefs: April 15, 2013)

Fracking Regulations Rulemaking Proposed in California (TWR #118, Water Briefs: Dec. 15, 2013)

Hydraulic Fracturing: Interior's Rule Released for Public & American Indian Lands (TWR #134, Water Briefs: April 15, 2015)

TRADES OF WATER:

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

TRADING CREDITS / TRADING SHARES:

Gila Water Storage: Innovative Banking Creates “Long-Term Storage Credits” - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

Natural Resource Investment Center Established by Department of Interior (TWR #143, Water Briefs: Jan. 15, 2016)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from “Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States” by Mike Young (TWR #144: Feb. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Liquid Assets: Investing for Impact in the Colorado Basin - Investment Blueprint Released (TWR #146, Water Briefs: April 15, 2016)

TRADING - WATER QUALITY:

Water Quality and Temperature Trading: Regulatory Innovation in the Tualatin Basin by Bruce Cordon (TWR #24: February 15, 2006)

Wastewater Discharge Permits: Pollutant Trading Allowed for Discharge (TWR #29, Water Briefs, July 15, 2006)

Water Quality Credit Trading Markets: Model Program Under USDA/EPA Partnership (TWR #33, Water Briefs: Nov. 15, 2006)

Instream Flow Restoration: Cooperative, Free-Market Solutions in Oregon by Fritz Paulus (TWR #43, Sept. 15, 2007)

Water Quality Trading Toolkit Released by EPA (TWR #43, Water Briefs: Sept. 15, 2007)

Willamette River Basin Fish Restoration - "Stepping Stones": Supporting Prioritized Restoration and Investment in Multiple Ecosystem Services by Hulse & Gregory (TWR #49: March 15, 2008)

Water Quality Thermal Credit Trading: Methods for Quantifying Thermal Credits by Dupuis, Smesrud, Wirz & Primozich (TWR #52: June 15, 2008)

Water Quality Trading-"In It Together: A How-To Reference for Building Point-Nonpoint Water Quality Trading Programs by Cochran, Maness & Lindley (TWR #103: Sept. 15, 2012)

Northwest Water Quality Trading: Joint Recommendations in the Pacific Northwest by Sanneman, Cochran, Culliney, Furia, Power & Wigington (TWR #125: July 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

“TRAFFIC LIGHT” SYSTEM:

Earthquakes Increase in Oklahoma: Oil & Gas Wastewater Injection Limited (TWR #139, Water Briefs: Sept. 15, 2015)

TRAGEDY OF THE COMMONS:

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

TRANSACTIONAL COSTS or TRANSACTION COSTS:

Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones (TWR #138, August 15, 2015)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap (TWR #148: June 15, 2016)

TRANSACTIONS:

A Practitioner's Guide to Instream Flow Transactions in California Released (TWR #146, Water Briefs: April 15, 2016)

TRANSBASIN DIVERSIONS (see also Transfers):

Interbasin Transfers: Groundwater Rights Vacated by Court in Nevada (TWR #69, Water Briefs: Nov. 15, 2009)

New Era of Interbasin Water Transfers by Barbara Cosens (TWR #72: Feb. 15, 2010)

Area of Origin Reclamation Lawsuit (TWR #73, Water Briefs: March 15, 2010)

Oklahoma Water Storage: Tribal Concerns Raised - Municipalities Purchase Reclamation Project by David Moon, Editor (TWR #79, Sept. 15, 2010)

Oklahoma Storage Transfer Controversy: Tribal Nations & Local Interests Oppose the Transfer Agreement by David Moon, Editor (TWR #80: Oct. 15, 2010)

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Interbasin Transfer Decision in Nevada: Land Use Authority of County Upheld in Transfer Denial (TWR #90, Water Briefs: August 15, 2011)

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Arkansas Valley Conduit in Colorado: Regional Water Pipeline Project - Condensed/Edited from US Bureau of Reclamation Documents (TWR #115: Sept. 15, 2013)

Mono Lake Settlement in California Addresses Tributary Streamflows & Other Actions (TWR #115, Water Briefs: Sept. 15, 2013)

Transbasin Water Exchanges in Colorado: "Lawn Irrigation Return Flows" (LIRFs) (TWR #115, Water Briefs: Sept. 15, 2013)

[Las Vegas Water Rights Decision - Judge Overturns State Engineer Approvals by David Moon \(TWR #119: Jan. 15, 2014\)](#)

[Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. \(TWR #121: March 15, 2014\)](#)

[Colorado's Water Plan by Jayla Ryan Poppleton \(TWR #123: May 15, 2014\)](#)

[TRANSBOUNDARY \(see also CANADA and MEXICO\):](#)

[Columbia River Treaty Options: Protocols for Transboundary Adaptive Management Examined by Bankes & Cosens \(TWR #129: Nov. 15, 2014\)](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[Transboundary Cooperation in the International Columbia River Basin: A Preliminary Assessment of Existing Arrangements & Future Prospects \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Infrastructure Funds: EPA Newsletter & Website \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[TRANSBOUNDARY GOVERNANCE:](#)

[Transboundary Cooperation in the International Columbia River Basin: A Preliminary Assessment of Existing Arrangements & Future Prospects \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[TRANSBOUNDARY RESOURCE:](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[Transboundary Cooperation in the International Columbia River Basin: A Preliminary Assessment of Existing Arrangements & Future Prospects \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[TRANSFERS \(See also WATER MARKETS\):](#)

[Waterway-To-Waterway Transference: NPDES Permit Requirements and the *Miccosukee* Case by Rick Glick \(TWR #2: April 15, 2004\)](#)

[Ground Water Right Transfers in the Snake River Plain, Idaho by Johnson, Harris, Contor and Cosgrove \(TWR #10: Dec. 15, 2004\)](#)

[Speculation in Water Rights: Transfer Decisions by the Colorado Supreme Court and Special Status for Municipalities by Moon \(TWR #20: October 15, 2005\)](#)

[Water Right Transfers: Idaho Public Interest Standard Ruling \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[Instream Flows in Colorado: Transfers and Injury - Protections for Junior Rights \(TWR #23, Water Briefs: Jan. 15, 2006\)](#)

[Purpose of Use Change in Bureau of Reclamation Project: Irrigation to Domestic Use in Colorado \(TWR #26, Water Briefs: April 15, 2006\)](#)

[Condemnation Case in Washington Settled - Water Rights Transfer \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Water Transfer Rule: EPA Clarification Regarding NPDES Permits \(TWR #28, Water Briefs, June 15, 2006\)](#)

[Municipal Water Rights in New Mexico: Various Approaches and Development Impacts by James Brockmann \(TWR #31; September 15, 2006\)](#)

[NPDES Permits & Water Transfers: Post-*Miccosukee* Court in Florida Finds NPDES Permit Necessary by Richard M. Glick \(TWR #35: January 15, 2007\)](#)

[Tribal Water Rights - Conference Covers Settlement, Commodification and Other Issues by Harold Shepherd \(TWR #35: January 15, 2007\)](#)

[Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs \(TWR #36, February 15, 2007\)](#)

[Water Transfers and the Clean Water Act by Rick Glick \(TWR #36, February 15, 2007\)](#)

[Santa Fe Water Resources and Policy: Evolving "Wet Growth Regulations" by Kyle Harwood \(TWR #36, February 15, 2007\)](#)

[Transfer of Water Rights Standard: "No Injury Rule" and Water Quality Impacts \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Tribal Water Rights Decision: Unquantified Reserved Rights & State Regulation by David Moon \(TWR #39: May 15, 2007\)](#)

[Water Management Conservation Award to Deschutes River Conservancy \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Water Delivery - Canals, Ditches and Pipelines: The Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton \(TWR #41: July 15, 2007\)](#)

[Instream Flow Restoration: Cooperative, Free-Market Solutions in Oregon by Fritz Paulus \(TWR #43, Sept. 15, 2007\)](#)

[Western States Water Update: Western States Water Council Meets in Montana by David C. Moon \(TWR #44, Oct. 15, 2007\)](#)

[New Western Water Agenda: Opportunities for Action in an Era of Growth and Climate Change by MacDonnell & Fort \(TWR #48: Feb. 15, 2008\)](#)

[Urban & Rural Water Supplies: Colorado Research Pursues Win-Win Scenario by Lytle, Hansen, Jaeger & Nikkel \(TWR #48: February 15, 2008\)](#)

[Texas Water Law: An Update on Recent Legislation and Case Law by Deborah Clarke Trejo and Tina Alvarado Arnold \(TWR #49: March 15, 2008\)](#)

[New Mexico Legislation Provides Flexibility to Purchase and Sever Water Rights from Land \(Pecos Compact\) \(TWR #49, Water Briefs: March 15, 2008\)](#)

[Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer \(TWR #50: April 15, 2008\)](#)

[Water Quality Thermal Credit Trading: Methods for Quantifying Thermal Credits by Dupuis, Smesrud, Wirz & Primozich \(TWR #52: June 15, 2008\)](#)

[Water Rights Ownership Decision: Trust Relationship Between Irrigation Districts and Water Users by David C. Moon \(TWR #54, August 15, 2008\)](#)

[Water Transfers: Permit Not Needed Under New EPA Rule \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Drought Actions in California: Water Transfers and Exchanges \(TWR #53, Water Briefs: July 15, 2008\)](#)

Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell (TWR #56: October 15, 2008)

Agricultural Water to Municipal Use: The Legal and Institutional Context for Voluntary Transactions in Arizona by Eden, Glennon, Ker, Libecap, Megdal & Shipman (TWR #58: December 15, 2008)

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"Unquenchable: America's Water Crisis and What to Do About It" - Interview with Author Robert Glennon by David Moon, Editor (TWR #64: June 15, 2009)

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Water Transfers & the CWA: Eleventh Circuit Upholds EPA Interpretation of Clean Water Act as Exempting Water Transfers from NPDES Requirements by Sensiba and Carbonell (TWR #65: July 15, 2009)

The Colorado Water Trust: Western Water Trusts & the Colorado Experience by Amy W. Beatie (TWR #66: August 15, 2009)

Municipal Water Transfer Recommended in Washington: Relinquishment Due to Non-Use (Expedited Process) (TWR #66, Water Briefs: August 15, 2009)

Snake River Basin Adjudication: Lessons Learned by Eric J. Wildman (TWR #68: Oct. 15, 2009)

Interbasin Transfers: Groundwater Rights Vacated by Court in Nevada (TWR #69, Water Briefs: Nov. 15, 2009)

Groundwater Mitigation in Washington: Bank for New Groundwater Rights (TWR #71, Water Briefs: Jan. 15, 2010)

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New Era of Interbasin Water Transfers: Part II by Barbara Cosens (TWR #73: March 15, 2010)

Area of Origin Reclamation Lawsuit (TWR #73, Water Briefs: March 15, 2010)

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Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill (TWR #76: June 15, 2010)

Northwest Water Marketing: Re-Allocating Water in the Pacific Northwest by Richard A. Slaughter (TWR #77: July 15, 2010)

[Water Restoration Certificates: Voluntary, Market-Based Flow Restoration by Todd Reeve & Rob Harmon \(TWR #79, Sept. 15, 2010\)](#)

[Oklahoma Water Storage: Tribal Concerns Raised - Municipalities Purchase Reclamation Project by David Moon, Editor \(TWR #79, Sept. 15, 2010\)](#)

[Oklahoma Storage Transfer Controversy: Tribal Nations & Local Interests Oppose the Transfer Agreement by David Moon, Editor \(TWR #80: Oct. 15, 2010\)](#)

[Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma \(Sardis Reservoir\) by Greetham \(TWR #82: Dec. 15, 2010\)](#)

[Tribal Water Decision in Nevada: Groundwater Change Application Granted by David Moon \(TWR #83: Jan. 15, 2011\)](#)

[Water Demand Assessment: Western Governors' Association \(Transfers, Energy, ESA & Climate Change\) \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Water Supply Issues in Colorado: Shift from Agricultural Uses, Water Transfers & Municipal Needs-SWSI Report \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Wyoming Streamflow Restoration: History, Update & Current Strategies by Scott Yates \(TWR #86: April 15, 2011\)](#)

[Tribal Water Rights and the Colorado River Reallocation Through Forbearance Agreements by Mason D. Morisset \(TWR #87: May 15, 2011\)](#)

[Water Sharing Strategies for Ag/Urban/Enviro in the West: Western States Council Report with CSU's Water Institute \(TWR #87, Water Briefs: May 15, 2011\)](#)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[Multi-Sector Water Sharing \(Agricultural-Urban-Environmental\): Innovative Strategies for the Colorado River Basin & the West by Smith \(TWR #88: June 15, 2011\)](#)

[Ag to Urban Transfer: No Injury Rule & Historical Use \(Colorado Decision\) \(TWR #88, Water Briefs: June 15, 2011\)](#)

[Water Rights Transfers in Nevada: Consumptive Use Limitation and Manner \(Purpose\) of Use \(TWR #88, Water Briefs: June 15, 2011\)](#)

[Interbasin Transfer Decision in Nevada: Land Use Authority of County Upheld in Transfer Denial \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Water Rights & Regulatory Authority Issues: Chickasaw & Choctaw Nations File Lawsuit Opposing Water Transfer by David Moon \(TWR #91: Sept. 15, 2011\)](#)

[Municipal Water Rights in Montana: Court Rejects "Growing Cities Doctrine" and Upholds Agency Transfer Decision \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Water Utility Sale Proposed - Carlyle Group Purchase of Missoula's Water Company \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses by Drew Beckwith \(TWR #93: Nov. 15, 2011\)](#)

[Colorado River Basin Irrigation: The Future of Irrigation Organizations in the Colorado River Basin by Dr. Ron Griffin and Mary Kelly \(TWR #95: Jan. 15, 2012\)](#)

[Nuclear Power Water Right Change Applications Approved in Utah \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[Municipal Water Resources & Regional Planning: The Prairie Waters Project - Aurora, Colorado by Lisa Darling \(TWR #98: April 15, 2012\)](#)

[Secret Society - Shadow Government Alleged in California \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Ski Area Water Rights: U.S. Forest Service Taking? \(TWR #98, Water Briefs: April 15, 2012\)](#)

[San Joaquin Recirculation of Recaptured Interim Flows: Reclamation Releases EA/FONSI \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Historic Use & "Takings" Decision in Colorado: Transfer Application Prompts Review \(TWR #100, Water Briefs: June 15, 2012\)](#)

[Local Land Use Decisions & Water Supply Considerations: New Rules from the Washington Supreme Court by Dave Monthie \(TWR #102: August 15, 2012\)](#)

[Northwest Water Banking: Meeting Instream and Out of Stream Water Needs in the Pacific Northwest by Cronin & Fowler \(TWR #102: August 15, 2012\)](#)

[Comments on *Land Use & Water Supply*, TWR #102: Sarah Mack & Dave Monthie \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson \(TWR #106: Dec. 15, 2012\)](#)

[Water Transfers Report Released by the Western Governors \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Water Transfers in the West by Carlee Brown \(TWR #107: January 15, 2013\)](#)

[California's Water Market, By the Numbers, Update 2012 \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Tribal Claims to the Colorado River by Ryan Smith \(TWR #109: March 15, 2013\)](#)

[North Platte Regulation to Protect Storage Rights in Wyoming: Priority Administration in Effect \(TWR #109, Water Briefs: March 15, 2013\)](#)

[Reclamation Announces Actions & Strategies to Improve Water Supplies for California's Central Valley Project \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Water Transfers Push in California: Governor's Order to Streamline Process \(TWR #112, Water Briefs: June 15, 2013\)](#)

[Reclamation Manual Policies and Directives and Standards Finalized by Bureau \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde \(TWR #117, Nov. 15, 2013\)](#)

[Arizona v. California Digital Collection Debuted at William A. Wise Law Library \(CU\) \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Utah Nuclear Plant Water Right Transfers Upheld by Court \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo \(TWR #119: Jan. 15, 2014\)](#)

[Drought Management in California - Emphasis on Water Transfers \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[Supreme Court Stormwater Ruling: *Los Angeles Flood Control District v. NRDC* - A Strange and Meandering Case by Christopher Rich \(TWR #120: Feb. 15, 2014\)](#)

[Instream Transfers in California: Leasing Water to Enhance Environmental Flows \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol \(TWR #121: March 15, 2014\)](#)

[Regional Water Management Cooperation: Study Compares Four Cases in the West by Nathaniel Delano and Sharon B. Megdal \(TWR #121: March 15, 2014\)](#)

[Instream Use Change: Irrigation to Instream Transfer in Nevada Approved by State Engineer \(TWR #122, Water Briefs: April 15, 2014\)](#)

[Colorado's Water Plan by Jayla Ryan Poppleton \(TWR #123: May 15, 2014\)](#)

[Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge \(TWR #123: May 15, 2014\)](#)

[Las Vegas Water Rights Offer \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols \(TWR #128, Oct. 15, 2014\)](#)

[Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey \(TWR #130: Dec. 15, 2014\)](#)

[Speculation & Fracking: Transfer/Change Request Opposed in New Mexico \(TWR #131: Water Briefs, Jan. 15, 2015\)](#)

[Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz \(TWR #134: April 15, 2015\)](#)

[Water Purchases: Metropolitan Water District's Board Authorizes \\$71 Million for Ag Water Transfers & Promotes Conservation \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Water Transfers Program by Reclamation Proposed for Voluntary Water Transfers in California \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Reverse Auction for Leasing Instream Flow in Washington \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Groundwater Orders in Nevada: Las Vegas Applications Back to State Engineer for Decision \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. \(TWR #137: July 15, 2015\)](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones \(TWR #138, August 15, 2015\)](#)

[Drought Resiliency - Projects Selected by Reclamation \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[Water Plan Released in Colorado: Water Supply Strategies \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Natural Resource Investment Center Established by Department of Interior \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[A Practitioner's Guide to Instream Flow Transactions in California Released \(TWR #146, Water Briefs: April 15, 2016\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

[AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein \(TWR #146: April 15, 2016\)](#)

[Report on Water Available for Replenishment of Groundwater in California: Interim White Paper \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Recommendations for Improving Water Transfers and Access to Water Markets in California \(TWR #148, Water Briefs: June 15, 2016\)](#)

[TRANSFER OF POLLUTED WATER:](#)

[Supreme Court Stormwater Ruling: *Los Angeles Flood Control District v. NRDC* - A Strange and Meandering Case by Christopher Rich \(TWR #120: Feb. 15, 2014\)](#)

[TRANSIT LOSS:](#)

[Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon \(TWR #132: Feb. 15, 2015\)](#)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

[AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein \(TWR #146: April 15, 2016\)](#)

[TRANSMISSION LOSSES:](#)

[Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert \(TWR #107: January 15, 2013\)](#)

[TRANSPORTATION RATES:](#)

[Metropolitan Water District of Southern California Found Liable for \\$8.9 Million in Attorney's Fees in Rate Case \(TWR #146, Water Briefs: April 15, 2016\)](#)

["TRANSPORTED" WATER:](#)

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill \(TWR #129: Nov. 15, 2014\)](#)

[TREATED WASTEWATER:](#)

[Reuse & Conservation: EPA Research Funding Announced \(TWR #146, Water Briefs: April 15, 2016\)](#)

[TREATMENT AS A STATE:](#)

[Tribal "Treatment As State" - Oklahoma Tribes Face Special "Treatment" by David Moon and David Light \(TWR #52: June 15, 2008\)](#)

[Tribal CWA Authorization for Pueblo of Santa Ana in New Mexico \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Treatment as a State: Tribal Water Quality Authority Proposal for Streamlining \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Proposed Rule on Regulatory Procedures for Tribes to Obtain TAS for Impaired Water Listing & TMDL Program \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

["Treatment As A State" - Clean Water Act Tribal Regulation: EPA's Revised Interpretation \(TWR #148, Water Briefs: June 15, 2016\)](#)

[TREATMENT TRAIN:](#)

[Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen \(TWR #129: Nov. 15, 2014\)](#)

[FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding \(TWR #140: Oct. 15, 2015\)](#)

[TREATY RIGHTS \(see also TRIBAL WATER RIGHTS\):](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

[Tribal Compact Signed for Confederated Salish and Kootenai Tribes in Montana \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Klamath Basin Regulation: Time Immemorial Instream Rights of Tribes Protected \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Shared Responsibility: Governing the Use of Water & Related Resources in the International Columbia River Basin Through the Prism of Tribes and First Nations \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Tribal Fishing Rights Lead to Coal Terminal Rejection by the Corps of Engineers (TWR #148, Water Briefs: June 15, 2016)

TRESPASS:

Groundwater Recharge Upheld in Arizona: "Takings" and Tort Claims Denied (TWR #58, Water Briefs: December 15, 2008)

Stream Access in New Mexico: Attorney General's Opinion (TWR #123, Water Briefs: May 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Evan Mortimer & David R. Tuthill (TWR #129: Nov. 15, 2014)

Swinomish Indian Tribal Community Files Lawsuit Against BNSF Railway: Oil Trains & Easement Agreement (TWR #135, Water Briefs: May 15, 2015)

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

TRIBAL ENVIRONMENTAL (Water Quality and Environmental Issues):

Clean Water Act Settlement: Navajo Nation - San Juan River (TWR #6, Water Briefs: Aug. 15, 2004)

Upper Columbia River Contamination: Transboundary Application of CERCLA by Du Bey, Rosenthal & Clark (TWR #15: May 15, 2005)

Tribal Water Quality Standards by Richard A. Du Bey & Michelle Ulick Rosenthal (TWR #18: August 15, 2005)

Tribal Projects EPA Grants (TWR #21, Water Briefs: Nov. 15, 2005)

Tribal Clean Water Act Grants: EPA Guideline Published (TWR #24, Water Briefs: February 15, 2006)

Instream Water Rights Settlement: Muckleshoot Indian Tribe and Seattle (TWR #26, Water Briefs: April 15, 2006)

Brownfields Program: \$70 Million in Grants (TWR #28, Water Briefs, June 15, 2006)

USFWS and Tribes Grants Announced: Fish & Wildlife Conservation (TWR #28, Water Briefs, June 15, 2006)

Clean Water Act Violations: Settlement Reached on Oil Spill on Warm Springs Reservation (TWR #28, Water Briefs, June 15, 2006)

Hydroelectric Relicensing Decision: Skokomish Case Limits FERC Authority by David Moon (TWR #31; September 15, 2006)

Tribal Water Quality: Program Case Studies (TWR #31, Water Briefs: Sept. 15, 2006)

Tribal Fish Consumption and Water Quality Standards by J.D. Williams (TWR #32: October 15, 2006)

Tribal Clean Water Act Authority: Water Quality Designation in California (TWR #33, Water Briefs: Nov. 15, 2006)

Tribal Water Quality: EPA Grants and Guidance for Non Point Source Pollution Program (TWR #33, Water Briefs: Nov. 15, 2006)

Tribal Water Projects: EPA Funding Publication (TWR #34, Water Briefs: December 15, 2006)

Fish Recovery Multi-Agency Cooperation (San Juan River Basin) (TWR #34, Water Briefs: December 15, 2006)

NPDES Permits & Water Transfers: Post-*Miccosukee* Court in Florida Finds NPDES Permit Necessary by Richard M. Glick (TWR #35: January 15, 2007)

Tribal Water Rights - Conference Covers Settlement, Commodification and Other Issues by Harold Shepherd (TWR #35: January 15, 2007)

Puget Sound Initiative in Washington: Proposals & Cleanup (TWR #35, Water Briefs: January 15, 2007)

Transboundary Pollution - 9th Circuit Order Appealed (TWR #37, Water Briefs: March 15, 2007)

Clean Water Act Authority Approved for Pyramid Lake Paiute Tribe (TWR #37, Water Briefs: March 15, 2007)

Tribal Religious Issue: Sewage Effluent Rejected for Snowmaking in Arizona (TWR #38, Water Briefs: April 15, 2007)

Tribal Assistance Program for Wastewater Funding (EPA's Clean Water Set-Aside Grants) (TWR #39, Water Briefs: May 15, 2007)

Transboundary CERCLA Case: Supreme Court Requests Federal Brief (TWR #41, Water Briefs: July 15, 2007)

Tribal Water Quality: EPA Portal Website (TWR #42, Water Briefs: August 15, 2007)

EPA Tribal Center: Compliance Assistance for Environmental Professionals (TWR #44, Water Briefs: Oct. 15, 2007)

US Held as Potentially Responsible Party under CERCLA on Tribal Trust Land (TWR #44, Water Briefs: Oct. 15, 2007)

Hydropower and Fish - Northwest Challenge: Keeping Fish and Clean Hydro by F. Lorraine Bodi and Dulcy Mahar (TWR #47: January 15, 2008)

Water Quality Grant to Inter-Tribal Environmental Council (TWR #48, Water Briefs: February 15, 2008)

Tribal Contamination: Risk-Assessment Guidance Manual Released (TWR #51, Water Briefs: May 15, 2008)

Tribal "Treatment As State" - Oklahoma Tribes Face Special "Treatment" by David Moon and David Light (TWR #52: June 15, 2008)

Tribes & Effluent Snowmaking Case: Religious Claims Rejected - "Substantial Burden" Key Requirement by David Moon (TWR #55: September 15, 2008)

Shoshone Bannocks Tribes Obtain "Treatment as State" Approval Under Clean Water Act (TWR #55, Water Briefs: September 15, 2008)

Clean Water Act Violations in Arizona: Santa Cruz River Illegal Filling Results in \$1.25 Million Penalty (TWR #57, Water Briefs: November 15, 2008)

Columbia River Toxics: EPA's Columbia River Basin State of the River Report for Toxics by Mary Lou Soscia and Kim Johnson (TWR #58: December 15, 2008)

Tribal Appeal of Snowbowl Litigation Filed in the US Supreme Court (TWR #60, Water Briefs: Feb. 15, 2009)

Hydro Project Settlement: Tacoma Power & Skokomish Tribal Nation Reach Detailed Agreement (TWR #60, Water Briefs: Feb. 15, 2009)

Dams & Temperature MOU Addresses Spokane River Hydro Issues for Washington, Idaho and Coeur d'Alene Tribe (TWR #60, Water Briefs: Feb. 15, 2009)

Underground Storage Tanks: Pilot Inspections Program Begun by Navajo Nation EPA (TWR #62, Water Briefs: April 15, 2009)

FIFRA Violations Settlement in Idaho: Herbicide Applications (TWR #63, Water Briefs: May 15, 2009)

SNOWBOWL Supreme Court Decision: Sewage Effluent Snowmaking Allowed (TWR #65, Water Briefs: July 15, 2009)

Navajo Nation Lauded: Environmental Protection and Leadership (TWR #65, Water Briefs: July 15, 2009)

Tribal Jurisdiction: Damage Claims Dismissed in Oklahoma AG's Poultry Lawsuit (TWR #66, Water Briefs: August 15, 2009)

Tribal Liability: Decision Holds No CERCLA Liability Against Tribes in Transboundary Case (TWR #66, Water Briefs: August 15, 2009)

Biomass Energy Added to Tribal Energy & Environmental Website (TWR #69, Water Briefs: Nov. 15, 2009)

Groundwater Investigation Funded Via Uranium Contamination Agreement (Tribal Land in Arizona (TWR #69, Water Briefs: Nov. 15, 2009)

Safe Drinking Water: Summary of EPA Actions in Montana (TWR #69, Water Briefs: Nov. 15, 2009)

Tribal Clean Water Act Program: Nonpoint Source Pollution (TWR #73, Water Briefs: March 15, 2010)

Tribal Wildlife Grants: USFWS Funding for Fish & Wildlife Projects (September Deadline) (TWR #75, Water Briefs: May 15, 2010)

Blackfeet Tribe Seeks Clean Water Act Status ("TAS"): Comment Period Open (TWR #79, Water Briefs: Sept. 15, 2010)

Tribal Drinking Water Operator Certification Program: EPA Drinking Water Program (TWR #79, Water Briefs: Sept. 15, 2010)

Cleanup Agreement: Tribal Lands Uranium Contamination (TWR #80, Water Briefs: Oct. 15, 2010)

Oklahoma Storage Transfer Controversy: Tribal Nations & Local Interests Oppose the Transfer Agreement by David Moon, Editor (TWR #80: Oct. 15, 2010)

Protecting Tribal Fishing Rights - Fixing Culverts that Block Fish Passage: Ruling on Washington Treaty Responsibilities Expected Soon by Matthew Love & Chris Zentz (TWR #81: November 15, 2010)

Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma (Sardis Reservoir) by Greetham (TWR #82: Dec. 15, 2010)

Environmental Protocol: Santa Clara Pueblo & New Mexico Sign Memorandum of Agreement (TWR #83, Water Briefs: Jan. 15, 2011)

Columbia River Basin Toxics Reduction: Action Plan in Effect by Mary Lou Soscia (TWR #84: Feb. 15, 2011)

Supply & Streamflow: Water Management Agreement Reached in Washington (Dungeness River Watershed) (TWR #85, Water Briefs: March 15, 2011)

Treatment As A State: Havasupai Tribe Authority Under Clean Water Act (TWR #87, Water Briefs: May 15, 2011)

Tribal Clean Water Act Authority Granted to Havasupai Tribe in Arizona (TWR #88, Water Briefs: June 15, 2011)

[Water & Wastewater Training: EPA Tribal Workshops \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Fish Consumption & Tribes: Revised Water Quality Standards in Oregon \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Indian Water Settlements: Outlook for the 112th Congress and Beyond by Ryan A. Smith \(TWR #90: August 15, 2010\)](#)

[Clean Water Act Program Assumption Handbook for States and Tribes Released by ASWM & ECOS \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Reclaimed Wastewater: Hopi Tribe in Arizona Sues Flagstaff Over Snowmaking Proposal \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Tribal Interests, Instream Flows & Hydropower Licensing: Using the Licensing Process to Address Tribal Concerns by Mason Morisset \(TWR #92: Oct. 15, 2011\)](#)

[Uranium Mine on Navajo Nation Land: EPA Cleanup Plan Announced \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Toxic Pollutants Standards & Fish Consumption Rate: EPA Approves Oregon's CWA Revisions \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[Salmon Safe Certification: Golf Course Assessment Leads to Certification for Tribal Course \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Mining Law & the Endangered Species Act Decision - Section 7 Consultation Required \(TWR #100, Water Briefs: June 15, 2012\)](#)

[Blackfeet Tribe Granted Authority to Administer CWA Water Quality Standards Program \(TWR #100, Water Briefs: June 15, 2012\)](#)

[Suction Dredge Mining Halted in California - Governor Continues Moratorium \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Dam Removal Impacts Study on Elwha River Sediment Release \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi \(TWR #104: Oct. 15, 2012\)](#)

[The Future of the Columbia River Treaty by Nigel Bankes, University of Calgary & Barbara Cosens \(TWR #105: Nov. 15, 2012\)](#)

[Uranium Decontamination Cleanup: EPA Five-Year Plan Report on Progress \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[ESA & 1872 Mining Act Decision \(Suction Dredge Impacts\) - ESA Trumps \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Interior Released FEIS on Klamath River Dam Removal & New Management Plan Dispute \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Oil Spill Fine & EPA Enforcement of Clean Water Act: Spill Within Tribal Boundaries \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Fracking Rule for Public & Indian Lands Proposed by Interior \(TWR #112, Water Briefs: June 15, 2013\)](#)

[Safe Drinking Water Enforcement by EPA on Southern Ute Reservation in Colorado: Underground Injection Control \(TWR #115, Water Briefs: Sept. 15, 2013\)](#)

[Drinking Water Supply in Arizona: BIA Violations & Settlement with EPA \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[UIC Violations in Utah: Safe Drinking Water Penalty of \\$600,000 \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell \(TWR #126: August 15, 2014\)](#)

[Mining & Fisheries: EPA Proposal for Bristol Bay, Alaska \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

- [Tribal Settlement Concerning Drinking & Wastewater Systems Entered by The Omaha Tribe of Nebraska \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)
- [Fish Consumption Rule & Toxics Standards Proposal for Washington \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)
- [Swinomish Indian Tribal Community Files Lawsuit Against BNSF Railway: Oil Trains & Easement Agreement \(TWR #135, Water Briefs: May 15, 2015\)](#)
- [Underground Storage Tank Requirements Strengthened by EPA to Prevent Groundwater Contamination \(TWR #137, Water Briefs: July 15, 2015\)](#)
- [Tribal Wastewater - Water Pollution Facility & Settlement Over CWA Violations by Tribal Utility \(TWR #138, Water Briefs: August 15, 2015\)](#)
- [Tribal CWA Authorization for Pueblo of Santa Ana in New Mexico \(TWR #138, Water Briefs: August 15, 2015\)](#)
- [Treatment as a State: Tribal Water Quality Authority Proposal for Streamlining \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)
- [Fish Consumption Rule Drafted by Washington's Ecology: State v. Federal Clean Water Act Rules \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)
- [Office of Inspector General's Report on EPA's Actions & Decision on Alaska's Bristol Bay Watershed \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)
- [Proposed Rule on Regulatory Procedures for Tribes to Obtain TAS for Impaired Water Listing & TMDL Program \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)
- [2015 Highlights of Progress: Responses to Climate Change Released by EPA's National Water Program \(TWR #146, Water Briefs: April 15, 2016\)](#)
- [Water Quality Standards Development: EPA Recommendations for Priority Actions for States & Tribes \(TWR #146, Water Briefs: April 15, 2016\)](#)
- ["Treatment As A State" - Clean Water Act Tribal Regulation: EPA's Revised Interpretation \(TWR #148, Water Briefs: June 15, 2016\)](#)

[TRIBAL FISHING RIGHTS \(see also TRIBAL WATER RIGHTS\):](#)

- [Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)
- [Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)
- [Dam Removal: New Klamath River Agreements Signed \(TWR #146, Water Briefs: April 15, 2016\)](#)
- [Tribal Fishing Rights Lead to Coal Terminal Rejection by the Corps of Engineers \(TWR #148, Water Briefs: June 15, 2016\)](#)

[TRIBAL GROUNDWATER:](#)

- [The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon \(TWR #134: April 15, 2015\)](#)
- [Tribal Groundwater Case: Water Districts' Equitable Defenses Denied \(TWR #145, Water Briefs: March 15, 2016\)](#)
- [Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

TRIBAL HATCHERY/FISHERIES:

Treaty Tribes & Hatcheries by Alan C. Stay (TWR #99: May 15, 2012)

Hatchery v. Wild Fish Dispute: Settlement Severely Limits Releases (ESA Evaluation Needed) (TWR #123, Water Briefs: May 15, 2014)

TRIBAL LANDS:

Aboriginal Title Decision in Canada: Implementation of Natural Resource and Energy Policy (TWR #126, Water Briefs: Aug. 15, 2014)

Habitat Purchase: Transfer of Land to Tulalip Tribes (TWR #144, Water Briefs: Feb. 15, 2016)

TRIBAL WATER RIGHTS:

Oregon Water Resources Department: Interview with Director Paul Cleary (TWR #1: March 15, 2004)

Water Rights Adjudication in Montana: Chief Judge C. Bruce Loble Interview (TWR #2: April 15, 2004)

Navajo Settlement Proposed: San Juan Basin (TWR #2, Water Briefs: April 15, 2004)

Trinity River Flows: Increased Flows Ordered (TWR #3, Water Briefs: May 15, 2004)

BPA Summer Spill Decision - Tribes Prepare Litigation Contesting (TWR #5, Water Briefs: July 15, 2004)

Trinity River 9th Circuit Decision: NEPA and ESA (TWR #6, Water Briefs: Aug. 15, 2004)

Navajo Water Rights Settlement - San Juan River Basin (TWR #6, Water Briefs: Aug. 15, 2004)

Navajo Settlement Motions Denied - Negotiations Continue (TWR #7, Water Briefs: Sept. 15, 2004)

Arizona Water Settlement Approved by Congress (TWR #10, Water Briefs: Dec. 15, 2004)

Colville Tribes of Washington Sign Water Agreement (TWR #11, Water Briefs: Jan. 15, 2005)

Water, Property & Authority in New Mexico: Balancing Tribal and State Sovereign Interests by Stephen H. Greetham (TWR #14: April 15, 2005)

Tribal Water Right Fund Created in New Mexico (TWR #14, Water Briefs: April 15, 2005)

Nez Perce Settlement - Idaho (TWR #14, Water Briefs: April 15, 2005)

Conan the Riparian - Tribes Rally for Salmon (TWR #14, Water Briefs: April 15, 2005)

San Juan River Basin - Navajo Nation Settlement Approved (TWR #15, Water Briefs: May 15, 2005)

Tribal Reserved Rights and Groundwater: Lummi Nation Decision by Barbara Markham (TWR #17: July 15, 2005)

[Snake River Adjudication: The Nez Perce Agreement by Jerry R. Rigby \(TWR #18: August 15, 2005\)](#)

[Southwest Water Decisions: Arizona Water Settlements Act, Indian Reserved Rights, Adjudications by McGinnis & Alberts \(TWR #20: October 15, 2005\)](#)

[Tribal Water Rights Update: John Echohawk - Indian Water Law Elder by David C. Moon, Editor \(TWR #23, Jan. 15, 2006\)](#)

[Instream Water Rights Settlement: Muckleshoot Indian Tribe and Seattle \(TWR #26, Water Briefs: April 15, 2006\)](#)

[Former Decree Precludes San Carlos Apache Tribe's Claims in Gila Adjudication in Arizona \(TWR #26, Water Briefs: April 15, 2006\)](#)

[Aamodt Settlement in New Mexico Water Rights Adjudication \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Umatilla Tribe Study for Walla Walla River Flow Restoration \(TWR #29, Water Briefs: July 15, 2006\)](#)

[Hydroelectric Relicensing Decision: Skokomish Case Limits FERC Authority by David Moon \(TWR #31; September 15, 2006\)](#)

[Municipal Water Rights: Retroactive Expansion Lawsuit \(TWR #32, Water Briefs: October 15, 2006\)](#)

[Klamath Hydroelectric Relicensing: Fish Passage and FERC \(TWR #32, Water Briefs: October 15, 2006\)](#)

[Allocation of Water: Congressional Budget Office Report \(TWR #32, Water Briefs: October 15, 2006\)](#)

[Chiloquin Dam Removal Agreement in the Klamath Basin \(TWR #33, Water Briefs: Nov. 15, 2006\)](#)

[Klamath: The Forgotten Basin? by Glen Spain, Institute for Fisheries Resources \(TWR #34: December 15, 2006\)](#)

[Untapping Tribal Waters: Tribal Water Marketing Expanding by Clay J. Landry and Christina Quinn \(TWR #35: January 15, 2007\)](#)

[Tribal Water Rights - Conference Covers Settlement, Commodification and Other Issues by Harold Shepherd \(TWR #35: January 15, 2007\)](#)

[Bonneville Power Administration Land Acquisition With Tribal Ownership \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Tribal Water Rights Decision: Unquantified Reserved Rights & State Regulation by David Moon \(TWR #39: May 15, 2007\)](#)

[Blackfeet Water Rights Compact: Montana Compact Commission Approval \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Interstate Water Allocation by Christopher H. Meyer, Givens Pursley LLP \(Boise, Idaho\) \(TWR #42: August 15, 2007\)](#)

[Tribal Treaty Rights: Fish Passage Duty Decision by US District Court in Washington \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Western States Water Update: Western States Water Council Meets in Montana by David C. Moon \(TWR #44, Oct. 15, 2007\)](#)

[Tribal Groundwater Rights: Lummi Nation Settlement in Washington \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Hydropower and Fish - Northwest Challenge: Keeping Fish and Clean Hydro by F. Lorraine Bodi and Dulcy Mahar \(TWR #47: January 15, 2008\)](#)

[Klamath Settlement: Dams Removal Sought \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Tribal Water Sale: Tribes, Reclamation & Washington Partnership \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Klamath Basin Restoration Agreement: A Convergence of Opportunity by Paul Simmons \(TWR #49: March 15, 2008\)](#)

[Indian Water Rights: The Era of Settlements by Jeanne S. Whiteing \(TWR #51: May 15, 2008\)](#)

[Columbia Basin Fish Accords Signed \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Water Source Partnership: City of Olympia and Nisqually Tribe MOA \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Water Needs and Strategies for a Sustainable Future: Next Steps: Western Governor's Report Released \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Tribal Settlement Bill: Groundwater Basin Recharge in California \(TWR #55, Water Briefs: September 15, 2008\)](#)

[Truckee River Operating Agreement Signed: Nevada & California Impacts \(TWR #55, Water Briefs: September 15, 2008\)](#)

[Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell \(TWR #56: October 15, 2008\)](#)

[Shoshone-Bannock Tribes Join Agreements in Columbia River Basin \(Litigation Continues\) \(TWR #56, Water Briefs: October 15, 2008\)](#)

[Montana v. Wyoming: U.S. Supreme Court to Hear Yellowstone Compact Case by Karen Budd-Falen \(TWR #57: November 15, 2008\)](#)

[Agricultural Water to Municipal Use: The Legal and Institutional Context for Voluntary Transactions in Arizona by Eden, Glennon, Ker, Libecap, Megdal and Shipman \(TWR #58: December 15, 2008\)](#)

[Hydroelectric Relicensing and Tribal Religious Claims: FERC's Increase of Minimum Flows Upheld by David C. Moon \(TWR #58: December 15, 2008\)](#)

[Kalispel Tribe & Utility Settlement: Hydropower Relicensing \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Klamath Settlement: Tribes/Irrigators Water Accord in Klamath Basin Adjudication \(TWR #64, Water Briefs: June 15, 2009\)](#)

[Yellowstone River Compact: Montana v. Wyoming-Special Master Rules on Water Rights Issues & Denies Motion to Dismiss by Moon \(TWR #65: July 15, 2009\)](#)

[Tribal and Municipal Water Supply: Navajo-Gallup Project - Reclamation Report & EIS \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Litigation on the Colorado River: Conflicts in Search of Solutions by Michael Gheleta \(TWR #67: September 15, 2009\)](#)

[Klamath Settlement Agreements: Part II by Glen Spain \(TWR #71: Jan. 15, 2010\)](#)

[New Era of Interbasin Water Transfers by Barbara Cosens \(TWR #72: Feb. 15, 2010\)](#)

[Groundwater Closure Denied \(WA\): Stream Flow Concerns by Squaxin Island Tribe \(Co. Agreement Pursued\) \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Tribal Surface Water Rights: Hydraulic Connection Equals Protection - Groundwater Impacts & Federal Jurisdiction by David C. Moon \(TWR #75: May 15, 2010\)](#)

[Paiute Tribe Prevails: Illegal Diversions of Water to be "Recouped" by David Moon \(TWR #75: May 15, 2010\)](#)

[Tribal Water Rights: Current Issues & Relevant Background by Robert T. Anderson \(TWR #77: July 15, 2010\)](#)

[Western Governors Association 2010 Meeting: Water Resolutions \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Tribal Instream Rights: Important Settlement Reached on Klamath Basin Challenges by Douglas MacDougal \(TWR #78: Aug. 15, 2010\)](#)

[Exempt Well Decision in South Dakota: Domestic v. Commercial Use \(Tribal Opposition\) \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Oklahoma Water Storage: Tribal Concerns Raised - Municipalities Purchase Reclamation Project by David Moon, Editor \(TWR #79, Sept. 15, 2010\)](#)

[Oklahoma Storage Transfer Controversy: Tribal Nations & Local Interests Oppose the Transfer Agreement by David Moon, Editor \(TWR #80: Oct. 15, 2010\)](#)

[New Mexico 2008-2009 Annual State Water Report Released \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Protecting Tribal Fishing Rights - Fixing Culverts that Block Fish Passage: Ruling on Washington Treaty Responsibilities Expected Soon by Matthew Love & Chris Zentz \(TWR #81: November 15, 2010\)](#)

[Northeastern Arizona Indian Water Rights Settlement - Navajo Nation Council Approval \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Municipal Water Law Upheld by Washington Supreme Court: "Pumps and Pipes" & Expanded Municipal Suppliers \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Tribal Issues in Oklahoma: Water Policy in Former Indian Territory-Chickasaw, Choctaw & Oklahoma \(Sardis Reservoir\) by Greetham \(TWR #82: Dec. 15, 2010\)](#)

[Cobell Settlement: Tribal Claims Settlement Act Passed \(Four Tribal Water Right Settlements Included\) \(TWR #82, Water Briefs: Dec. 15, 2010\)](#)

[Key Tribal Water Developments in the Pacific Northwest by Duane Mecham \(TWR #83: Jan. 15, 2011\)](#)

[Tribal Water Decision in Nevada: Groundwater Change Application Granted by David Moon \(TWR #83: Jan. 15, 2011\)](#)

[Tribal Water Lease: Central Arizona Project Water to Municipality \(Reclamation FONSI Issued\) \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[New Water Management Model: The Umatilla Basin Water Commission - Counties, Irrigation District & Confederated Tribes Form Administrative Body by Martha Pagel \(TWR #87: May 15, 2011\)](#)

[Tribal Water Rights and the Colorado River Reallocation Through Forbearance Agreements by Mason D. Morisset \(TWR #87: May 15, 2011\)](#)

[Tribal Protection: Exempt Wells Moratorium in Washington \(TWR #88, Water Briefs: June 15, 2011\)](#)

[Indian Water Settlements: Outlook for the 112th Congress and Beyond by Ryan A. Smith \(TWR #90: August 15, 2010\)](#)

[Tribal Fish Accord Between Federal Agencies & Kalispel Tribe \(Columbia Basin\) \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Water Rights & Regulatory Authority Issues: Chickasaw & Choctaw Nations File Lawsuit Opposing Water Transfer by David Moon \(TWR #91: Sept. 15, 2011\)](#)

[Reclaimed Wastewater: Hopi Tribe in Arizona Sues Flagstaff Over Snowmaking Proposal \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Tribal Interests, Instream Flows & Hydropower Licensing: Using the Licensing Process to Address Tribal Concerns by Mason Morisset \(TWR #92: Oct. 15, 2011\)](#)

[Klamath Dam Removal: Removal Studies Released by Department of Interior \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Tribal Water Supply: White Mountain Apache Tribal Government Water Right Settlement \(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[Tribal Water Rights Settlement Funding Announced-Soboba of Luiseño Indians Settlement Act \(\\$21 Million in California\)\(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[Negotiating Indian Water Rights Claims: Twelfth Biennial Symposium on Settlement of Indian Reserved Water Rights by Killoren \(TWR #95: Jan. 15, 2012\)](#)

[Stream Adjudication Authorization in Oklahoma: Sardis Lake Tribal Lawsuit Spurs State Action \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[Tribal Instream Rights Held Valid in Klamath Adjudication \(Hunting, Fishing, Trapping & Gathering\) \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[Tribal Water Rights: Quantification Sought in Washington \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[Stream Adjudication in Oklahoma: Federal & State Litigation Heat Up \(TWR #97, Water Briefs: March 15, 2012\)](#)

[Infrastructure Funding of \\$50 Million Announced by Interior \(TWR #97, Water Briefs: March 15, 2012\)](#)

[Oklahoma Adjudication Removed to Federal Court \(TWR #98, Water Briefs: April 15, 2012\)](#)

[NEPA Procedural Ruling in Arizona Snowbowl Case: Claims Found Meritless Under NEPA and APA \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Treaty Tribes & Hatcheries by Alan C. Stay \(TWR #99: May 15, 2012\)](#)

[Crow Tribe Compact: Water Rights Settlement Signed in Montana \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Water Rights Forum - Subject Matter Jurisdiction Decision in Nevada \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Kalispel Tribe Agreement With Federal Agencies: Habitat & Fish Stocks in Columbia Basin \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Tribal Water Bank Developed for River Deltas' Wetlands in Washington \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Utah & Confederated Tribes of the Goshute: Negotiation MOU to Quantify Reserved Water Rights \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi \(TWR #104: Oct. 15, 2012\)](#)

[Arizona Groundwater Management by Sharon B. Megdal \(TWR #104: Oct. 15, 2012\)](#)

[Crow Tribe Settlement Implementation - Reclamation Contracts on Irrigation and Municipal, Industrial & Rural System \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[State of Our Watersheds - Northwest Indian Fisheries Commission Report Released \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Navajo-Gallup Water Supply Project Funding - Expedited Permitting & Review for Navajo Nation \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie \(TWR #105: Nov. 15, 2012\)](#)

[The Future of the Columbia River Treaty by Nigel Bankes, University of Calgary & Barbara Cosens \(TWR #105: Nov. 15, 2012\)](#)

Instream Water Rights in California: Tribes Criticize USFS' Endangered Species Act Inaction (TWR #105, Water Briefs: Nov. 15, 2012)

Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity (TWR #106: Dec. 15, 2012)

Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson (TWR #106: Dec. 15, 2012)

Interstate Compact Litigation Between Oklahoma & Texas: U.S. Solicitor General Files Opinion (TWR #106, Water Briefs: Dec. 15, 2012)

Tribal Water Compact: Proposed Settlement Released in Montana (TWR #106, Water Briefs: Dec. 15, 2012)

Klamath Restoration Agreement - Settlement Extended (TWR #107, Water Briefs: January 15, 2013)

Tribal Claims to the Colorado River by Ryan Smith (TWR #109: March 15, 2013)

Umatilla Basin Aquifer Restoration Project: New Management Model at the Crossroads by Martha Pagel (TWR #109: March 15, 2013)

Culvert Case Decided in Washington: Tribal Treaty Fishing Rights Victory by David Moon (TWR #110: April 15, 2013)

Tribal Water Settlement in New Mexico - Aamodt Water Rights (TWR #110, Water Briefs: April 15, 2013)

Indian Water Right Negotiations: Interior's Considerations When Appointing Federal Negotiation Teams by Duane Mecham (TWR #111: May 15, 2013)

"*Acquavella V*" Decision Issued in Washington State Adjudication (TWR #111, Water Briefs: May 15, 2013)

Interior Released FEIS on Klamath River Dam Removal & New Management Plan Dispute (TWR #111, Water Briefs: May 15, 2013)

Culvert Case Appeal in Washington: Tribal Fish Passage Decision Appealed by State to 9th Circuit (TWR #112, Water Briefs: June 15, 2013)

Klamath Adjudication - The Judicial Phase Begins: New Era in Oregon's Contentious Water History by MacDougal, Orford & Timmons (TWR #113: July 15, 2013)

CSKT Water Rights Compact Unratified: Montana Legislature Refuses to Ratify Confederated Salish and Kootenai Tribes Compact by Weiner & Stermitz (TWR #114: August 15, 2013)

Acquavella Update: Washington's 36-Year Old Water Rights Adjudication Nears An End by Jeff Kray (TWR #115: Sept. 15, 2013)

Tribal Water Study: Reclamation & the Colorado River Basin Tribes Partnership (Ten Tribes Partnership) (TWR #116, Water Briefs: Oct. 15, 2013)

Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson (TWR #117, Nov. 15, 2013)

Columbia River Treaty Review: Update & Next Steps (From the US Entity) - Special to The Water Report (TWR #117, Nov. 15, 2013)

Instream Rights Enforcement Discretion Agreement - *Swinomish v. Ecology* (TWR #117, Water Briefs: Nov. 15, 2013)

Klamath Settlement "Agreement in Principle" Reached Between Klamath Tribes and "Off-Project" Irrigators (TWR #118, Water Briefs: Dec. 15, 2013)

Indian Water Claims - Settlement of Reserved Rights Symposium (TWR #119, Water Briefs: Jan. 15, 2014)

Montana Reserved Water Rights Compact Commission's Report on CSKT Proposed Water Rights Compact Released (TWR #119, Water Briefs: Jan. 15, 2014)

ESA Settlement by Karuk Tribe & Irrigation District: Dams & Diversions on Shasta River (TWR #119, Water Briefs: Jan. 15, 2014)

Fish Passage & Treaty Obligations: Washington State "Culvert Case" Before the Ninth Circuit by David Moon (TWR #120: Feb. 15, 2014)

Stream Flow Enhancement/Groundwater Mitigation in Washington - Stormwater Capture & Groundwater Recharge (TWR #120, Water Briefs: Feb. 15, 2014)

Tribal Water Lawsuit: Ownership of Water Rights in Montana - State v. Federal Jurisdiction (TWR #122, Water Briefs: April 15, 2014)

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

The Columbia River Treaty: September 16 Pivot Point for the Future of the Columbia River Basin by Eric Christensen (TWR #125: July 15, 2014)

Tribal Water Leasing: Federal Tribal Land Leasing Laws Should Be Extended to Tribal Water Leases by Ryan A. Smith (TWR #125: July 15, 2014)

Colorado River Basin Studies Released: Tribal Non-Consumptive Water Uses and Research Needs in the Basin (TWR #125, Water Briefs: July 15, 2014)

Columbia River Treaty Options: Protocols for Transboundary Adaptive Management Examined by Bankes & Cosens (TWR #129: Nov. 15, 2014)

Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon (TWR #132: Feb. 15, 2015)

Tribal Compact: Attorney General's Memo to Montana's Governor (TWR #132, Water Briefs: Feb. 15, 2015)

West Coast ESA Challenges: The View from NOAA Fisheries (Regional Administrator William Steele's Presentation) by David Light (TWR #133: March 15, 2015)

Water Resource Issues in the 114th Congress-Congressional Research Service Report (TWR #133, Water Briefs: March 15, 2015)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon (TWR #134: April 15, 2015)

Tribal Water Agreements Highlighted: Shoshone-Paiute Settlement Signed (TWR #134, Water Briefs: April 15, 2015)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Tribal Compact Signed for Confederated Salish and Kootenai Tribes in Montana (TWR #135, Water Briefs: May 15, 2015)

Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board (TWR #136: June 15, 2015)

Fish Passage Award for Innovation Received by Tacoma Power (TWR #136, Water Briefs: June 15, 2015)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Klamath Basin Regulation: Time Immemorial Instream Rights of Tribes Protected (TWR #139, Water Briefs: Sept. 15, 2015)

Tribal Hydro: Salish and Kootenai Tribes - First Tribe-Owned Hydro Project (TWR #140, Water Briefs: Oct. 15, 2015)

Shared Responsibility: Governing the Use of Water & Related Resources in the International Columbia River Basin Through the Prism of Tribes and First Nations (TWR #140, Water Briefs: Oct. 15, 2015)

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

Groundwater Adjudication: Legislative Reform Passed in California (TWR #141, Water Briefs: Nov. 15, 2015)

Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons (TWR #143: January 15, 2016)

Truckee River Operating Agreement Begins: Interstate Allocations (TWR #143, Water Briefs: Jan. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Utah Navajo Water Rights Settlement Agreement Approved by Navajo Nation Council (TWR #144, Water Briefs: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Tribal Groundwater Case: Water Districts' Equitable Defenses Denied (TWR #145, Water Briefs: March 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

Dam Removal: New Klamath River Agreements Signed (TWR #146, Water Briefs: April 15, 2016)

2015 Highlights of Progress: Responses to Climate Change Released by EPA's National Water Program (TWR #146, Water Briefs: April 15, 2016)

Tribal Water Lease in Idaho: Storage Rights to Mitigate for Groundwater Use (TWR #148, Water Briefs: June 15, 2016)

"TRIBUTARY GROUNDWATER":

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

TRIGGER or THRESHOLD:

[Las Vegas Water Rights Decision - Judge Overturns State Engineer Approvals by David Moon \(TWR #119: Jan. 15, 2014\)](#)

[Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley \(TWR #124: June 15, 2014\)](#)

TRINITY RIVER:

[Reclamation Increases Flow Releases - Lower Klamath River Supplement from Trinity Reservoir \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

[Flow Augmentation Releases \(Trinity Reservoir\): Reclamation Releases for Salmon Protection Lower Klamath River \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Reclamation Authority Upheld by Federal Court for Flow Augmentation Releases \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

“TRIPLE BOTTOM LINE ASSESSMENT”:

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

TRUCKEE RIVER BASIN:

[Truckee River Operating Agreement Begins: Interstate Allocations \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool \(TWR #146, Water Briefs: April 15, 2016\)](#)

TRUST (Water Trusts):

[Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin \(TWR #139, Sept. 15, 2015\)](#)

[Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug \(TWR #143: January 15, 2016\)](#)

TRUST OBLIGATION (United States to Tribes) - see also FEDERAL RESERVED RIGHTS:

[Utah Navajo Water Rights Settlement Agreement Approved by Navajo Nation Council \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

TRUSTEE:

[Indian Water Right Negotiations: Interior's Considerations When Appointing Federal Negotiation Teams by Duane Mecham \(TWR #111: May 15,](#)

2013)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Tribal Groundwater Case: Water Districts' Equitable Defenses Denied (TWR #145, Water Briefs: March 15, 2016)

Dam Removal: New Klamath River Agreements Signed (TWR #146, Water Briefs: April 15, 2016)

TRUSTEESHIP ROLE:

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Tribal Groundwater Case: Water Districts' Equitable Defenses Denied (TWR #145, Water Briefs: March 15, 2016)

Dam Removal: New Klamath River Agreements Signed (TWR #146, Water Briefs: April 15, 2016)

TRUST RESPONSIBILITIES:

Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert (TWR #138, August 15, 2015)

Tribal Groundwater Case: Water Districts' Equitable Defenses Denied (TWR #145, Water Briefs: March 15, 2016)

Dam Removal: New Klamath River Agreements Signed (TWR #146, Water Briefs: April 15, 2016)

TURBIDITY:

Stormwater Final Rule Published by EPA: Construction & Development (TWR #122, Water Briefs: April 15, 2014)

Wastewater Effluent Spill by Private Ski Area in Montana's West Gallatin River (TWR #146, Water Briefs: April 15, 2016)

TURF REMOVAL:

Water Conservation in California: Urban Water Use During Drought (TWR #128, Water Briefs, Oct. 15, 2014)

California Drought: Use/Conservation Figures Released by State Water Resources Control Board (TWR #129: Water Briefs, Nov. 15, 2014)

Urban Water Conservation in Southern California: Encouraging Conservation Through Tradeable Allocations & Market Mechanisms by Bond, Motlow, Steely, Wang & Libecap (TWR #136: June 15, 2015)

[Conservation Program Expanded: MWD of Southern California Adopts in Face of Drought \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Turf & Toilets Rebate Programs in California \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

"TWO RIVER" CONCEPT:

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

TYPE OF USE(see PURPOSE OF USE):

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

ULTRA-FILTRATION:

[Recycled Water: Beer Brewing Proposal in Oregon \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

UMATILLA PROJECT and UMATILLA BASIN:

[Oregon Water Resources Department: Interview with Director Paul Cleary \(TWR #1: March 15, 2004\)](#)

[Tribal Water Rights - Conference Covers Settlement, Commodification and Other Issues by Harold Shepherd \(TWR #35: January 15, 2007\)](#)

[New Water Management Model: Umatilla Basin Water Commission - Counties, Irrigation District & Confederated Tribes Form Administrative Body by Pagel \(TWR #87: May 15, 2011\)](#)

[Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie \(TWR #89: July 15, 2011\)](#)

[Umatilla Basin Aquifer Restoration Project: New Management Model at the Crossroads by Martha Pagel \(TWR #109: March 15, 2013\)](#)

[Indian Water Right Negotiations: Interior's Considerations When Appointing Federal Negotiation Teams by Duane Mecham \(TWR #111: May 15, 2013\)](#)

UNBUNDLING:

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

UNCERTAINTY:

EPA's "Managing Water Quality in the Face of Uncertainty" Report & "Addressing Climate Change in the Water Sector" Website (TWR #141, Water Briefs: Nov. 15, 2015)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

UNCLEAN HANDS:

Tribal Groundwater Case: Water Districts' Equitable Defenses Denied (TWR #145, Water Briefs: March 15, 2016)

UNCONFINED AQUIFER:

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

UNDERDRAINS:

Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheume (TWR #139, Sept. 15, 2015)

UNDERGROUND INJECTION CONTROL (UIC):

Underground Injection Control Fine Proposed (Safe Drinking Water Act Permit) (TWR #27, Water Briefs: May 15, 2006)

Aquifer Storage Recovery & EPA's Underground Injection Control Program-EPA's "ASR Experts" Report by Shrier (TWR #64: June 15, 2009)

Aquifer Storage & Recovery; New Federal Initiatives - EPA to Develop Guidance by Dr. Cat Shrier (TWR #74, April 15, 2010)

Aquifer Storage & Recovery Regulation: Survey of UIC-ASR Regulation in Different States, Chase Hahn (TWR #74, April 15, 2010)

Hydraulic Fracturing Impacts: EPA Study Released - Public Meetings (TWR #77, Water Briefs: July 15, 2010)

Hydraulic Fracturing: The Road to EPA's New "Fracking" Study by Adam Orford (TWR #80: Oct. 15, 2010)

Hydraulic Fracturing Debate: The Long and Winding Road Towards Regulation by Bruce Baizel (TWR #90: August 15, 2010)

Waste Disposal Wells in Alaska: Motor Vehicle Fluids Threaten Groundwater - Army Base Fined (TWR #92, Water Briefs: Oct. 15, 2011)

EPA Effluent Guidelines: Proposed Regulation of Shale Gas & Coalbed Methane Effluent by Campbell & Howe (TWR #96: Feb. 15, 2012)

GAO Study on "Produced Water" Released (Oil and Gas Production) (TWR #97, Water Briefs: March 15, 2012)

Industrial Stormwater Permitting: Status and Trends in Western States by Gregg Bryden (TWR #98: April 15, 2012)

Fracking Requirements by Interior: Disclosure & UIC Diesel Fuel Use (Proposed Rules & Permitting Guidance) (TWR #100, Water Briefs: June 15, 2012)

Safe Drinking Water Act Fine - Injection Well Violations in Colorado (TWR #114, Water Briefs: August 15, 2013)

Safe Drinking Water Enforcement by EPA on Southern Ute Reservation in Colorado: Underground Injection Control (TWR #115, Water Briefs: Sept. 15, 2013)

Fracking Guidance Released by EPA: Underground Injection Control & Diesel Fuels (TWR #121, Water Briefs: March 15, 2014)

Wastewater Injection & Earthquakes: USGS Study (TWR #122, Water Briefs: April 15, 2014)

GAO Oil & Gas Report: Underground Injection Control Recommendations for EPA's Oversight (TWR #126, Water Briefs: Aug. 15, 2014)

Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill (TWR #129: Nov. 15, 2014)

Oil & Gas Lawsuit: EPA Sued Regarding Regulations on Drilling & Fracking Wastes (TWR #146, Water Briefs: April 15, 2016)

“UNDERGROUND REGULATION”:

“Underground Regulation” — Agency Rulemaking & the California Administrative Procedures Act by Damien Schiff (TWR #133: March 15, 2015)

UNDERGROUND STORAGE:

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

UNDERGROUND STORAGE TANKS:

Citizen's Guide on Institutional Controls Released by EPA (TWR #15, Water Briefs: May 15, 2005)

MTBE: Natural Attenuation/Risk Management for Underground Storage Tanks (TWR #22, Water Briefs: Dec. 15, 2005)

UST Leaks: Groundwater Pollution (TWR #23, Water Briefs: Jan. 15, 2006)

UST Inspections: Statewide EPA Results for Idaho (TWR #23, Water Briefs: Jan. 15, 2006)

Underground Storage Tanks: Pilot Inspections Program Begun by Navajo Nation EPA (TWR #62, Water Briefs: April 15, 2009)

[Underground Storage Tank Requirements Strengthened by EPA to Prevent Groundwater Contamination \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder \(TWR #139, Sept. 15, 2015\)](#)

[“UNDESIRABLE RESULT” \(Groundwater\):](#)

[California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon \(TWR #128, Oct. 15, 2014\)](#)

[“UNDEVELOPED” WATER:](#)

[Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith \(TWR #133: March 15, 2015\)](#)

["UNINTERRUPTIBLE" WATER RIGHTS:](#)

[Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors \(TWR #124: June 15, 2014\)](#)

[Instream Rules in Washington: Repeal Denied for Skagit River/New Rule for Spokane River \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

[“UNITARY WATERS”:](#)

[Waterway-To-Waterway Transference: NPDES Permit Requirements and the *Miccosukee* Case by Rick Glick \(TWR #2: April 15, 2004\)](#)

[NPDES Permits & Water Transfers: Post-*Miccosukee* Court in Florida Finds NPDES Permit Necessary by Richard M. Glick \(TWR #35: January 15, 2007\)](#)

[Water Transfers and the Clean Water Act by Rick Glick \(TWR #36, February 15, 2007\)](#)

[UNITARY ADMINISTRATION:](#)

[CSKT Water Rights Compact Unratified: Montana Legislature Refuses to Ratify Confederated Salish and Kootenai Tribes Compact by Weiner & Stermitz \(TWR #114: August 15, 2013\)](#)

[UNITIZATION:](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

UNIVERSAL WASTE RULE:

Pharmaceutical Waste: EPA Proposal to Add to Universal Waste Rule (TWR #58, Water Briefs: December 15, 2008)

UNQUANTIFIED BENEFITS:

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

URANIUM (see also Mining Contamination):

Uranium Mine on Navajo Nation Land: EPA Cleanup Plan Announced (TWR #92, Water Briefs: Oct. 15, 2011)

Grand Canyon Mining: Uranium Mining Ban (TWR #96, Water Briefs: Feb. 15, 2012)

Uranium Decontamination Cleanup: EPA Five-Year Plan Report on Progress (TWR #108, Water Briefs: Feb. 15, 2013)

EPA Settlement-Uranium Contamination Finalized: \$5.15 Billion From Handiwork and Kerr-McGee (TWR #132, Water Briefs: Feb. 15, 2015)

URBAN DEVELOPMENT and URBAN USE (see also MUNICIPAL RIGHTS):

Watershed Modeling - Climate Change & Urban Development Study Released by EPA (TWR #117, Water Briefs: Nov. 15, 2013)

2015 Five Star/Urban Waters Restoration Program: EPA Grant Program RFP (TWR #129: Water Briefs, Nov. 15, 2014)

California Drought: Use/Conservation Figures Released by State Water Resources Control Board (TWR #129: Water Briefs, Nov. 15, 2014)

Restoration Funding: 2015 Five Star/Urban Waters Restoration Program (TWR #130: Water Briefs, Dec. 15, 2014)

Water Conservation in Drought: Steep Decline in Conservation in California (TWR #133, Water Briefs: March 15, 2015)

Mandatory Water Use Restrictions in California: Governor's Executive Order a First (TWR #134, Water Briefs: April 15, 2015)

Water Conservation in California: State Water Board Issues Expanded Emergency Regulation (TWR #134, Water Briefs: April 15, 2015)

Urban Water Conservation in Southern California: Encouraging Conservation Through Tradeable Allocations & Market Mechanisms by Bond, Motlow, Steely, Wang & Libecap (TWR #136: June 15, 2015)

USGS Study: "Trends in Pesticide Concentrations and Use for Major Rivers of the United States" (TWR #139, Water Briefs: Sept. 15, 2015)

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

LA's Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan (TWR #141: Nov. 15, 2015)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

Climate Change Report on Oregon's Willamette Valley: Reclamation Reservoirs Buffer Impacts (TWR #143, Water Briefs: Jan. 15, 2016)

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

Using Graywater & Stormwater to Enhance Local Water Supplies: An Assessment of Risks, Costs, & Benefits Published (TWR #146, Water Briefs: April 15, 2016)

Drought Regulations Replaced With "Stress Test" Approach in California (TWR #148, Water Briefs: June 15, 2016)

URBANIZATION:

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

LA's Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan (TWR #141: Nov. 15, 2015)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

URBAN RUNOFF:

Phase II MS4 Revision: Settlement Requires EPA to Revise Phase II MS4 Permit & Review Forest Road Runoff Regulation (TWR #140, Water Briefs: Oct. 15, 2015)

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

LA's Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan (TWR #141: Nov. 15, 2015)

Using Graywater & Stormwater to Enhance Local Water Supplies: An Assessment of Risks, Costs, & Benefits Published (TWR #146, Water Briefs: April 15, 2016)

URBAN STREAMS:

USGS Study: "Trends in Pesticide Concentrations and Use for Major Rivers of the United States" (TWR #139, Water Briefs: Sept. 15, 2015)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug

(TWR #143: January 15, 2016)

Reclaimed Water Risks-Benefits Analysis by National Academy of Sciences Released (TWR #143, Water Briefs: Jan. 15, 2016)

Using Graywater & Stormwater to Enhance Local Water Supplies: An Assessment of Risks, Costs, & Benefits Published (TWR #146, Water Briefs: April 15, 2016)

URBAN WATER SUPPLIER:

Drought Regulations Replaced With “Stress Test” Approach in California (TWR #148, Water Briefs: June 15, 2016)

“USEABLE WATER”:

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

USE ATTAINABILITY ANALYSIS:

Water Quality Litigation: Oregon's "State-of-the-Art" Water Quality Standards Challenge by Richard M. Glick (TWR #24: February 15, 2006)

Use Attainability Analysis: Friend or Foe? by John Spencer and Tom Dupuis, CH2M Hill (TWR #27: May 15, 2006)

Water Quality Standards & Hydropower Dams: Finding Concrete Solutions by Rebecca Sherman, Brett Swift and Rick Eichstaedt (TWR #45, Nov. 15, 2007)

Nutrient Numeric Endpoint Development (Brief Reply to Response of Dr. Jonathan Butcher and Ms. Cynthia Gorham Test) by Jungreis & Thomas (TWR #45, Nov. 15, 2007)

Errata/Addition: Hydropower & Water Quality Article (TWR #46, Water Briefs: December 15, 2007)

"USE AUTHORIZATION":

Reclamation Developing Directive & Standard for Non-Agricultural Discharges Into Facilities (TWR #117, Water Briefs: Nov. 15, 2013)

“USE IT OR LOSE IT”:

Gila Water Storage: Innovative Banking Creates “Long-Term Storage Credits” - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from “Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States” by Mike Young (TWR #144: Feb. 15, 2016)

["Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith \(TWR #146: April 15, 2016\)](#)

USE RESTRICTIONS:

[Water Conservation in California: Urban Water Use During Drought \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

USE RIGHTS:

[Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz \(TWR #134: April 15, 2015\)](#)

USE TRENDS:

[Water Use Trends USGS Study \(TWR #2, Water Briefs: April 15, 2004\)](#)

[Northwest Water Quality Data Exchange: Access to Regional Information On-line by Janet Gillaspie \(TWR #9: Nov. 15, 2004\)](#)

[Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering \(TWR #43, Sept. 15, 2007\)](#)

[Instream Flow Restoration: Cooperative, Free-Market Solutions in Oregon by Fritz Paulus \(TWR #43, Sept. 15, 2007\)](#)

[Groundwater & Surface Water Interactions Model Released by USGS \(GSFLOW\) \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Environmental Indicators: EPA 2008 Report on the Environment \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Water Quality Data: Real-Time Info on USGS Websites \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Ground-Water Availability in the United States: USGS Circular 1323 Released \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro \(TWR #63: May 15, 2009\)](#)

[USGS Aquifer Study in California: Groundwater Availability in Central Valley \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Utah Stream Access: Recreational Use Legislation \(TWR #75, Water Briefs: May 15, 2010\)](#)

USFWS:

[USFS Groundwater Directive: Western Governors' Ass'n Submits Commits Regarding Implications \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[High Flow Release: Glen Canyon Dam Innovative Protocol to Mimic Flood Conditions \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Natural Resource Investment Center Established by Department of Interior \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues (TWR #145, Water Briefs: March 15, 2016)

USGS:

USGS Aquifer Study in California: Groundwater Availability in Central Valley (TWR #66, Water Briefs: August 15, 2009)

USGS & EPA Launch Online Portal for Water Quality Information (TWR #99, Water Briefs: May 15, 2012)

Contaminants in Wastewater Effluent & Stormwater Runoff - Columbia River Basin: USGS Study (TWR #101, Water Briefs: July 15, 2012)

Water Availability Study by USGS: Climate Change Impact in 14 Basins (TWR #101, Water Briefs: July 15, 2012)

Northwest Water Banking: Meeting Instream and Out of Stream Water Needs in the Pacific Northwest by Cronin & Fowler (TWR #102: August 15, 2012)

Inland Empire Groundwater: USGS Groundwater Quality Study - Nitrates & Perchlorates (TWR #102, Water Briefs: August 15, 2012)

Dam Removal Impacts Study on Elwha River Sediment Release (TWR #102, Water Briefs: August 15, 2012)

USGS Study on Groundwater Impact on Streamflows Released (TWR #106, Water Briefs: Dec. 15, 2012)

Hydraulic Fracturing & Water: Considering the Water Resources Impacts of Hydraulic Fracturing by Adam Orford (TWR #110: April 15, 2013)

Progress Toward Establishing a National Assessment of Water Availability and Use - Interior Water Census (TWR #110, Water Briefs: April 15, 2013)

Aquifer Depletion Study: USGS Releases *Groundwater Depletion in the United States (1900-2008)* (TWR #112, Water Briefs: June 15, 2013)

Ecological Health in the Nation's Streams, 1993-2005 Released by USGS (TWR #114, Water Briefs: August 15, 2013)

High Plains Aquifer (Ogallala) Depletion Detailed - Unsustainable Agriculture Use of Groundwater (TWR #115, Water Briefs: Sept. 15, 2013)

Public Supply Wells: Factors that Affect Vulnerability to Contamination - USGS Circular (TWR #115, Water Briefs: Sept. 15, 2013)

National Water Census: USGS & Stakeholders Give Congressional Briefing (TWR #116, Water Briefs: Oct. 15, 2013)

Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson (TWR #117, Nov. 15, 2013)

Land Subsidence From Groundwater Pumping: San Joaquin Valley USGS Report Released (TWR #118, Water Briefs: Dec. 15, 2013)

GAO Report on Fed Agency Actions: Climate Change on Water Infrastructure (TWR #119, Water Briefs: Jan. 15, 2014)

Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. (TWR #121: March 15, 2014)

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

[Wastewater Injection & Earthquakes: USGS Study \(TWR #122, Water Briefs: April 15, 2014\)](#)

[USGS Unveils National Climate Change Viewer \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Rivers and Carbon - USGS Study \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Salt Content in Streams - USGS Study \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Water Rights Study in California: State Over Allocation - Overhaul Proposed \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

[Pesticides in US Streams & Rivers: USGS Report Compares Data from 1992-2001 & 2002-2011 \(Edited/condensed from USGS\) \(TWR #128, Oct. 15, 2014\)](#)

[Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen \(TWR #129: Nov. 15, 2014\)](#)

[High Flow Release: Glen Canyon Dam Innovative Protocol to Mimic Flood Conditions \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[USGS Water Use Report Released: Withdrawals Dropping \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Fracturing Data & Trends Released by USGS for 1947-2010 \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[USGS Releases "Estimated Freshwater Withdrawals in Washington, 2010 Report" \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Dam Removal Study: Science Announces "1000 Dams Down and Counting" by USGS Authors \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

["Hydraulic Fracturing Water Use Variability in the United States and Potential Environmental Implications" - USGS \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Insecticides Study: USGS on Neonicotinoids and Impacts on Bees \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[USGS Study: "Trends in Pesticide Concentrations and Use for Major Rivers of the United States" \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Natural Resource Investment Center Established by Department of Interior \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

USUAL AND ACCUSTOMED FISHING GROUNDS:

[Tribal Fishing Rights Lead to Coal Terminal Rejection by the Corps of Engineers \(TWR #148, Water Briefs: June 15, 2016\)](#)

USUFRUCTARY RIGHT (see also Water Rights):

[Arizona Groundwater Law](#) by L. William Staudenmaier (TWR #33: Nov. 15, 2006)

[Colorado and Western Water Law: A Continuing Alchemy](#) by Justice Greg Hobbs (TWR #36, February 15, 2007)

["Takings" Claim Denied in *Casitas* Case: Beneficial Use & Injury Alleged](#) (TWR #110, Water Briefs: April 15, 2013)

[Small Scale Hydropower & Ditch Easements: Colorado Decision Applies "No Injury Rule" and Maximum Use](#) by David Moon (TWR #136: June 15, 2015)

[Colorado Water Markets: "Alternative Transfer Mechanisms"](#) by P. Andrew Jones (TWR #138, August 15, 2015)

UTAH WATER LAW and WATER QUALITY:

[Conjunctive Use - Utah Reports](#) (TWR #19, Water Briefs, September 15, 2005)

[Utah Water Conservation: Irrigation District Conservation](#) by Nancy Hardman (TWR #22: Dec. 15, 2005)

[Utah Nonpoint Source Grant Program: Why Is It Needed? - How Will It Work?](#) by Shelly Quick (TWR #44, Oct. 15, 2007)

[Irrigation System Efficiency: Emerging Technologies](#) by Mac McKee (TWR #46: December 15, 2007)

[Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows"](#) by Lawrence J. MacDonnell (TWR #56: October 15, 2008)

[Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration](#) by Kenney, Klein, Goemans, Alvord & Shapiro (TWR #63: May 15, 2009)

[Interstate Groundwater Allocation: Nevada - Utah Draft Snake Valley Management Agreement](#) by David Moon (TWR #67: September 15, 2009)

[Environmental Crime & Assault Results in Twenty-Year Sentence in Utah](#) (TWR #69, Water Briefs: Nov. 15, 2009)

[Endocrine Disruptors in Wastewater: Impacts in an Effluent Dominated Stream](#) by Clint Rogers and Michael Luers (TWR #70: Dec. 15, 2009)

[Aquifer Storage & Recovery Regulation: Survey of UIC-ASR Regulation in Different States](#), Chase Hahn (TWR #74, April 15, 2010)

[Utah Stream Access: Recreational Use Legislation](#) (TWR #75, Water Briefs: May 15, 2010)

[Rainwater Harvest: New Law in Effect in Utah](#) (TWR #76, Water Briefs: June 15, 2010)

[Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation](#) by Clyde (TWR #83: Jan. 15, 2011)

[Stormwater Agreement in Utah: Unpermitted Discharges Penalty for Quarry Runoff](#) (TWR #85, Water Briefs: March 15, 2011)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap](#) by Sarah Bates (TWR #88: June 15, 2011)

[Colorado River Basin Supply & Demand Study](#) by Carly Jerla, Terry Fulp, and Pam Adams (TWR #90: August 15, 2010)

[Nuclear Power Water Right Change Applications Approved in Utah](#) (TWR #96, Water Briefs: Feb. 15, 2012)

Utah & Confederated Tribes of the Goshute: Negotiation MOU to Quantify Reserved Water Rights (TWR #103, Water Briefs: Sept. 15, 2012)

Las Vegas Water: Governor Releases Utah Water Lawyers' Report on the Snake Valley Water Agreement (TWR #105, Water Briefs: Nov. 15, 2012)

Snake Valley Water Agreement Rejected by Utah Governor (Nevada & Utah Agreement) (TWR #111, Water Briefs: May 15, 2013)

Water Quality Assessment Map Announced in Utah: Tool for Beneficial Uses and Water Quality Conditions (TWR #111, Water Briefs: May 15, 2013)

Utah DWQ Issues Notice of Violation & Compliance Order Requesting Chevron Report on Diesel Spill (TWR #111, Water Briefs: May 15, 2013)

Economic Benefits of Nutrient Reductions: An Analysis of Benefits to Utah Waters (TWR #116: Oct. 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Arizona v. California Digital Collection Debuted at William A. Wise Law Library (CU) (TWR #117, Water Briefs: Nov. 15, 2013)

Utah Nuclear Plant Water Right Transfers Upheld by Court (TWR #118, Water Briefs: Dec. 15, 2013)

UIC Violations in Utah: Safe Drinking Water Penalty of \$600,000 (TWR #118, Water Briefs: Dec. 15, 2013)

Groups Appeal Water Rights Decision for Nuclear Reactor Project (Speculation, Availability & Stream Environment) (TWR #128, Water Briefs, Oct. 15, 2014)

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

Utah Navajo Water Rights Settlement Agreement Approved by Navajo Nation Council (TWR #144, Water Briefs: Feb. 15, 2016)

Stormwater Agreement: Clean Water Act Violations by Salt Lake County Resolved in Utah (TWR #144, Water Briefs: Feb. 15, 2016)

UTILITIES (see also Hydropower):

Climate Response: EPA Toolbox for Water Utilities (TWR #79, Water Briefs: Sept. 15, 2010)

Water Utility Sale in Montana: Waiver of PSC Review Requested (TWR #85, Water Briefs: March 15, 2011)

Climate & Utilities: EPA Vulnerability Assessments Final Report (Case Studies of Water Utility Practices) (TWR #86, Water Briefs: April 15, 2011)

Water & Wastewater Training: EPA Tribal Workshops (TWR #89, Water Briefs: July 15, 2011)

Water Utility Sale Proposed - Carlyle Group Purchase of Missoula's Water Company (TWR #92, Water Briefs: Oct. 15, 2011)

Planning for Sustainability: EPA Handbook for Water and Wastewater Utilities (TWR #96, Water Briefs: Feb. 15, 2012)

Adaptation Strategies Guide for Water Utilities Released by EPA (TWR #98, Water Briefs: April 15, 2012)

Water Utilities Report by Black & Veatch: *Strategic Directions in the U.S. Water Utility Industry* (TWR #101, Water Briefs: July 15, 2012)

Disposal of Large Amounts of Contaminated Water: A Support Guide for Water Utilities Released by EPA (TWR #105, Water Briefs: Nov. 15, 2012)

Extreme Events Workshop Planner - EPA's Climate Ready Water Utilities Initiative (TWR #109, Water Briefs: March 15, 2013)

The Southern Delivery System - Getting to the Finish Line: Planning, Permitting & Constructing by John A. Fredell (TWR #113: July 15, 2013)

Water Pricing: Water Rates & the "New Normal" by Kristina Donnelly and Juliet Christian-Smith (TWR #114: August 15, 2013)

EPA Funding for Small Water & Wastewater Systems: Training & Technical Assistance Grants (TWR #114, Water Briefs: August 15, 2013)

Utah Nuclear Plant Water Right Transfers Upheld by Court (TWR #118, Water Briefs: Dec. 15, 2013)

"Water/Wastewater Utilities and Extreme Climate and Weather Events" - Report Released (TWR #126, Water Briefs: Aug. 15, 2014)

Tribal Settlement Concerning Drinking & Wastewater Systems Entered by The Omaha Tribe of Nebraska (TWR #128, Water Briefs, Oct. 15, 2014)

Water Utilities Training & Technical Assistance From EPA - Climate Change Resilience & Readiness (TWR #130: Water Briefs, Dec. 15, 2014)

Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly (TWR #131: Jan. 15, 2015)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

In-Pipe Hydropower: Portland's In-Pipe System Secures 20-Year Power Purchase Agreement by Jennifer Allen Newton (TWR #132: Feb. 15, 2015)

Incident Action Checklists: Emergency Checklists for Utilities Prepared by EPA (TWR #133, Water Briefs: March 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley (TWR #140: Oct. 15, 2015)

Energy-Positive Water Resource Recovery Workshop Report (TWR #142, Water Briefs: Dec. 15, 2015)

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

Drinking Water Mapping Application to Protect Source Waters (DWMAPS): Mapping Tool Released by EPA (TWR #145, Water Briefs: March 15, 2016)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

WRF Published Water Efficiency Study: Residential End Uses of Water, Version 2 (2016) (TWR #146, Water Briefs: April 15, 2016)

Green Infrastructure Guidance Announced by WRF: Capital Improvement Project Delivery Methods & Incentives (TWR #146, Water Briefs: April 15, 2016)

UTILITY RATES:

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

Agricultural Nitrate Pollution: Clean Water Act Lawsuit Filed by Municipal Water Works Against Agricultural Drainage Districts by David Moon (TWR #143: January 15, 2016)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

WRF Published Water Efficiency Study: Residential End Uses of Water, Version 2 (2016) (TWR #146, Water Briefs: April 15, 2016)

UTILITY RESILIENCE:

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

VADOSE ZONE:

Reclaimed Water Management: Using Vadose Zone Recharge Wells - The Arizona Experience by Floyd L. Marsh and Gary G. Small (TWR #74, April 15, 2010)

Vadose Zone Recharge in Arizona: Water Reuse Award (TWR #75, Water Briefs: May 15, 2010)

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

VALUE DISPUTE:

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

-

VALUE OF RIGHTS / VALUE OF WATER:

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

[“VALUES-BASED” IMPAIRMENT STANDARD:](#)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington’s Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP’s Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Two Wrongs Don't Make a Water Right: Washington’s Waters are Already Over-Allocated - Use of a “Values-based” Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

[VAPOR INTRUSION:](#)

Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder (TWR #139, Sept. 15, 2015)

[VARIABLE DISCHARGE MANAGEMENT:](#)

Columbia River Treaty Review: Update & Next Steps (From the US Entity) - Special to The Water Report (TWR #117, Nov. 15, 2013)

[VARIABLE FLOWS:](#)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

[VARIABLE RATE FEES \(Utilities\):](#)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

[VARIANCES \(Water Quality\):](#)

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

[VEGETATIVE COVER:](#)

FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding (TWR #140: Oct. 15, 2015)

VEGETATION or VEGETATION REMOVAL:

Corps Levee Policy on Vegetation Removal: CDFG Files Suit Against Removal Requirement (TWR #100, Water Briefs: June 15, 2012)

USFS Releases Effects of Drought on Forest and Rangelands in the United States: A Comprehensive Science Synthesis (TWR #144, Water Briefs: Feb. 15, 2016)

VERNAL POOLS:

Wetlands Settlement in California: CWA Violations/Penalties (TWR #127, Water Briefs: Sept. 15, 2014)

VERTICAL WELLS:

"Hydraulic Fracturing Water Use Variability in the United States and Potential Environmental Implications" - USGS (TWR #137, Water Briefs: July 15, 2015)

VESSEL SPILLS:

Vessel Spill: Washington's Dept. of Ecology Enforcement Agreement With Trident Seafoods Corp. (TWR #108, Water Briefs: Feb. 15, 2013)

VESTED RIGHT:

Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson (TWR #118, Dec. 15, 2013)

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

VETO:

Office of Inspector General's Report on EPA's Actions & Decision on Alaska's Bristol Bay Watershed (TWR #144, Water Briefs: Feb. 15, 2016)

"VICARIOUS LIABILITY":

The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor (TWR #110: April 15, 2013)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

"VIRGIN WATER SUPPLY":

The Republican River Compact: Conflict & Arbitration by Justin D. Lavene and Marcus A. Powers (TWR #68: Oct. 15, 2009)

Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert (TWR #107: January 15, 2013)

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

VOLATILE ORGANIC COMPOUNDS (VOCs):

Upcoming EPA Drinking Water Proposals by J. Alan Roberson, P.E. (TWR #103: Sept. 15, 2012)

VOLUME and VOLUME LIMITATIONS:

Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro (TWR #63: May 15, 2009)

Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak (TWR #81: November 15, 2010)

VOLUNTARILY CONSERVED LANDS:

Endangered Species Act Litigation: Critical Habitat Expansion for Santa Ana Sucker Appealed & Other ESA Litigation by Kira Johnson (TWR #118, Dec. 15, 2013)

"VOLUNTARY UNITS":

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

VOLUNTEER LIABILITY:

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

VULNERABILITY "SIGNPOSTS":

Colorado River Management: Planning, Agreeing & Acting by Ted Kowalski (TWR #107: January 15, 2013)

WAIVERS:

Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey (TWR #97: March 15, 2012)

Fish Passage & Treaty Obligations: Washington State "Culvert Case" Before the Ninth Circuit by David Moon (TWR #120: Feb. 15, 2014)

WASHINGTON WATER LAW and WATER QUALITY:

Washington Water Law by David C. Moon (TWR #4: June 15, 2004)

Ecology General Permit - Sand and Gravel Regulations (TWR #5, Water Briefs: July 15, 2004)

Stormwater Fine (Washington Dept. of Ecology) - Measurement Issue (TWR #5, Water Briefs: July 15, 2004)

Irrigation Fine: Failure to Measure - Washington (TWR #7, Water Briefs: Sept. 15, 2004)

Columbia River Initiative - Washington Program for New Rights and Mitigation (TWR #9, Water Briefs: Nov. 15, 2004)

Water Storage - Washington State Projects (TWR #9, Water Briefs: Nov. 15, 2004)

Instream Flow Toolkit Developed for Washington (TWR #12, Water Briefs: Feb. 15, 2005)

Washington Drought Emergency Declared (TWR #14, Water Briefs: April 15, 2005)

Leasing Water - Yakima Basin Drought Response (TWR #14, Water Briefs: April 15, 2005)

Washington Draft Plan on Salmon Recovery Endorsed by NOAA (TWR #15, Water Briefs: May 15, 2005)

Salmon Recovery Plan (Puget Sound) (TWR #18, Water Briefs: August 15, 2005)

Water Supply: Declining Aquifer in Washington (TWR #20, Water Briefs: October 15, 2005)

Washington Water Regulation: New Department of Ecology Director Jay Manning, Interview by David C. Moon (TWR #23, Jan. 15, 2006)

Columbia River Water Management Plan: Emphasizing Water Storage and Conservation by David C. Moon (TWR #25: March 15, 2006)

Condemnation Proposed: Municipal Water Rights in Washington (TWR #25, Water Briefs: March 15, 2006)

NPDES Authority Challenged in Washington: Stormwater & Point Sources (TWR #27, Water Briefs: May 15, 2006)

Mixing Zones - An Overview of Some Western States by Gregg Bryden (TWR #28, June 15, 2006)

Umatilla Tribe Study for Walla Walla River Flow Restoration (TWR #29, Water Briefs: July 15, 2006)

Washington Stormwater Regulation: State General Industrial Stormwater Permits At Issue by James Tupper (TWR #32: October 15, 2006)

Puget Sound Initiative in Washington: Proposals & Cleanup (TWR #35, Water Briefs: January 15, 2007)

New Stormwater Regulations in Washington (TWR #36, Water Briefs: February 15, 2007)

[ESA & CWA: Endangered Species Act Influences on EPA's Clean Water Act Programs \(Washington State Example\) by Palmer \(TWR #37: March 15, 2007\)](#)

[Municipal Wastewater: Phosphorus Reduction & Permits \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Superfund Cleanup Deadline: Stipulated Penalty of \\$358,000 \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Water Conservation Initiatives - Western States Take Action by Craig Bell, Western States Water Council \(TWR #38: April 15, 2007\)](#)

[Wood Waste & Water: Washington State's New Wood Waste Cleanup Push by Thiele, Steding & Hermann \(TWR #39: May 15, 2007\)](#)

[Elwha River Dam Removal: CWA Permit Issued \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Water Delivery-Canals, Ditches and Pipelines: Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton \(TWR #41: July 15, 2007\)](#)

[Interstate Water Allocation by Christopher H. Meyer, Givens Pursley LLP \(Boise, Idaho\) \(TWR #42: August 15, 2007\)](#)

[Studies Find Persistent Toxics in Water \(Washington\) \(TWR #41, Water Briefs: July 15, 2007\)](#)

[New Dam Study for Off-Channel Storage by Ecology & Reclamation \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering \(TWR #43, Sept. 15, 2007\)](#)

[Tribal Treaty Rights: Fish Passage Duty Decision by US District Court in Washington \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Municipal Water Law: Washington's Landmark Law Faces Challenges by Jeff B. Kray \(TWR #44, Oct. 15, 2007\)](#)

[Errata - TWR #38 "Water Conservation Initiatives" \(TWR #44, Water Briefs: Oct. 15, 2007\)](#)

[Water Quality Standards & Hydropower Dams: Finding Concrete Solutions by Rebecca Sherman, Brett Swift and Rick Eichstaedt \(TWR #45, Nov. 15, 2007\)](#)

[Wastewater Treatment-Benefits of Moving Beyond Minimum Reqmts.: King County's Brightwater Project by Hummel \(TWR #46: December 15, 2007\)](#)

[Tribal Groundwater Rights: Lummi Nation Settlement in Washington \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Exempt Wells in Washington: Interim Management Limitations and Groundwater Study \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Watershed Planning in the Wenatchee River Basin: Ecology Adopts Rules on Instream Flows & Water Management \(TWR #47, Water Briefs: January 15, 2008\)](#)

[Tribal Water Sale: Tribes, Reclamation & Washington Partnership \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Puget Sound Pollution Grants for Stormwater Projects and Water Reuse \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer \(TWR #50: April 15, 2008\)](#)

[Forest Service Legacy Roads: New Remediation Initiative Renews Focus by Mary Scurlock and Gina Ottoboni \(TWR #50: April 15, 2008\)](#)

[Reservoir Permits in Washington: Inventory of Small Dams and Dam Safety Compliance \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Idaho Water Law: Update from Coeur d'Alene Conference by David Moon \(TWR #52: June 15, 2008\)](#)

[Washington State's Municipal Water Law: Landmark Law Partially Invalidated in Trial Court Decision by Jeff B. Kray \(TWR #53: July 15, 2008\)](#)

[Rainwater Permit Rules in Washington \(TWR #53, Water Briefs: July 15, 2008\)](#)

[FERC Water Quality Permit \(401 Certification\) for Spokane River \(TWR #53, Water Briefs: July 15, 2008\)](#)

[NMFS Biological Opinion on FEMA Flood Insurance Program: Puget Sound ESA Jeopardy Findings \(TWR #56, Water Briefs: October 15, 2008\)](#)

[CERCLA-NRDA Restoration: Ecocredits/Liability Coverage for Duwamish River Sites by Scott Lockert \(TWR #57: November 15, 2008\)](#)

[Selling Water Rights by Live Auction: Solving the Pricing Dilemma by Paul Thomas \(TWR #57: November 15, 2008\)](#)

[Municipal & Instream Water Right Withdrawal Exchange in Washington \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Puget Sound Cleanup Plan Adopted: Action Agenda \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Hanford Contamination Lawsuit: Washington Sues DOE Over Cleanup Failure \(TWR #58, Water Briefs: December 15, 2008\)](#)

[Landowner's Guide to Washington Water Rights Released by Washington Rivers Conservancy \(TWR #59, Water Briefs: Jan. 15, 2009\)](#)

[Yakima River Basin Water Storage Feasibility Study EIS: Black Rock Dam Economically Unjustifiable \(TWR #59, Water Briefs: Jan. 15, 2009\)](#)

[Habitat Protection & Water Rights: Balancing Stream Habitat with New Water Rights Issuance - Washington State's Watershed Management Program by Andrew Graham \(TWR #60: Feb. 15, 2009\)](#)

[Final Sediment Evaluation Framework \(SEF\) for the Pacific Northwest: CORPS' Draft Framework Comment Period \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Hydro Project Settlement: Tacoma Power & Skokomish Tribal Nation Reach Detailed Agreement \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Municipal Stormwater in Washington: Low Impact Development Permit Requirements \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Dams & Temperature MOU Addresses Spokane River Hydro Issues for Washington, Idaho and Coeur d'Alene Tribe \(TWR #60, Water Briefs: Feb. 15, 2009\)](#)

[Lake Roosevelt Incremental Storage Release Project - Draft EA Released by Reclamation \(TWR #62, Water Briefs: April 15, 2009\)](#)

[Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro \(TWR #63: May 15, 2009\)](#)

[Columbia Basin Project: "Artificially-Stored" Groundwater \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Municipal Stormwater: Washington's Ecology Modifies Permits \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Exempt Wells Closure: Groundwater Clarification in Washington \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Tribal Liability: Decision Holds No CERCLA Liability Against Tribes in Transboundary Case \(TWR #66, Water Briefs: August 15, 2009\)](#)

- Municipal Water Transfer Recommended in Washington: Relinquishment Due to Non-Use (Expedited Process) (TWR #66, Water Briefs: August 15, 2009)
- Irrigation Canal Piping: Conservation Project \$5.6 Million Grant by Ecology in Washington (TWR #66, Water Briefs: August 15, 2009)
- Sewer Overflows: Puget Sound Protection (EPA Compliance Orders with Seattle & King County) (TWR #67, Water Briefs: Sept. 15, 2009)
- Ecology Establishes Water Exchange for Exempt Wells Mitigation (TWR #67, Water Briefs: Sept. 15, 2009)
- Water Rights Adjudication Default: Washington Moves to Finalize Yakima River Basin Adjudication (TWR #67, Water Briefs: Sept. 15, 2009)
- Exempt Wells: Washington Attorney General's Opinion Issued (TWR #68, Water Briefs: Oct. 15, 2009)
- Contamination Study Agreement by Ecology and Port - Bellingham Toxics Site (TWR #68, Water Briefs: Oct. 15, 2009)
- Wetland Banking: New Mitigation Rule in Washington (TWR #68, Water Briefs: Oct. 15, 2009)
- Land Use & Water Supply* Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith (TWR #69: Nov. 15, 2009)
- Rainwater Policy Interpretive Statement Released in Washington (TWR #69, Water Briefs: Nov. 15, 2009)
- New Stormwater Limits for Runoff from Industrial Facilities in Washington (TWR #69, Water Briefs: Nov. 15, 2009)
- Groundwater & Instream Flow: New ECOLOGY Rules in Washington (TWR #70, Water Briefs: Dec. 15, 2009)
- Unsustainable Stockwater Exemptions: Washington Experience Illustrates Exempt Well Contentions by Rachael Paschal Osborn (TWR #71: Jan. 15, 2010)
- Toxics Regulation: States Push for Toxic Substances Control Act Reform (TWR #71, Water Briefs: Jan. 15, 2010)
- Groundwater Mitigation in Washington: Bank for New Groundwater Rights (TWR #71, Water Briefs: Jan. 15, 2010)
- New Water Market Website for Washington Agency (Ecology) Programs (TWR #72, Water Briefs: Feb. 15, 2010)
- Wetland Mitigation Bank in Washington: New Rules/New Bank (TWR #73, Water Briefs: March 15, 2010)
- Groundwater Closure Denied (WA): Stream Flow Concerns by Squaxin Island Tribe (Co. Agreement Pursued) (TWR #73, Water Briefs: March 15, 2010)
- Reclaimed Water Decision in Washington: King County's Brightwater Project Supported (TWR #74, Water Briefs: April 15, 2010)
- Groundwater Withdrawal Limits in Washington: Emergency Rule Extended (TWR #74, Water Briefs: April 15, 2010)
- Washington Stormwater Regulation: New Industrial Stormwater General Permit by Jeff Kray (TWR #75: May 15, 2010)
- Exempt Wells Decision in Washington: Feedlot Use Exempted Without Volume Restriction (TWR #75, Water Briefs: May 15, 2010)
- Phosphorus TMDL - Spokane River TMDL Upheld (Dispute Resolution Outcome) (TWR #75, Water Briefs: May 15, 2010)
- Stormwater Permit Compliance: New Washington State Industrial Permit Poses Challenges by Neil Alongi (TWR #76: June 15, 2010)

[Exempt Wells Decision in Washington \(Stockwater\) - Correction \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Northwest Water Marketing: Re-Allocating Water in the Pacific Northwest by Richard A. Slaughter \(TWR #77: July 15, 2010\)](#)

[Dishwater Detergent: Low-Phosphate Detergents Phase-In in Washington \(Other States Copying\) \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Construction Stormwater Regulation: EPA Withdraws Numeric Sedimentation Limits by Tom Lindley and Jessica Hamilton \(TWR #79, Sept. 15, 2010\)](#)

[Washington State Municipal Water Law: Washington Supreme Court Upholds Controversial Law by Jeff Kray \(TWR #82: Dec. 15, 2010\)](#)

[Key Tribal Water Developments in the Pacific Northwest by Duane Mecham \(TWR #83: Jan. 15, 2011\)](#)

[Regional Water Supply: Washington's Dept. of Ecology Approves Water Rights \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Stormwater Treatment: PCBS & Boeing Field Agreement \(TWR #80, Water Briefs: Oct. 15, 2010\)](#)

[Municipal Water Law Upheld by Washington Supreme Court: "Pumps and Pipes" & Expanded Municipal Suppliers \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Water Purchase in Washington \(\\$14 Million\): Municipal and Instream Uses \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Washington State Municipal Water Law: Washington Supreme Court Upholds Controversial Law by Jeff Kray \(TWR #82: Dec. 15, 2010\)](#)

[New Groundwater Rules for Withdrawals in Washington \(Mitigation Requirements/Water Banks\) \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Water Storage Rule in Washington: Processing Expedited \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Stormwater Monitoring Reports in Washington: Ecology Issuing Fines to General Permittees for Failure to Report \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Domestic Groundwater Reserve: Development of Ecology Mitigation Program in Washington \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Supply & Streamflow: Water Management Agreement Reached in Washington \(Dungeness River Watershed\) \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Wetlands Protection in Washington: Court Upholds Ecology Efforts \(TWR #86, Water Briefs: April 15, 2011\)](#)

[Aquifer & River Recharge: Spokane Valley-Rathdrum Prairie \(SVRP\) Aquifer and the Spokane River \(Ecology Study\) \(TWR #87, Water Briefs: May 15, 2011\)](#)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[Tribal Protection: Exempt Wells Moratorium in Washington \(TWR #88, Water Briefs: June 15, 2011\)](#)

[Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie \(TWR #89: July 15, 2011\)](#)

[Water Banks & Groundwater Mitigation in Washington \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Exempt Wells Decision & Land Use Ruling in Washington: Developers Misuse of Exemption \(TWR #90, Water Briefs: August 15, 2011\)](#)

Lake Roosevelt Drawdown Upheld: Reclamation Project Approved by Ninth Circuit (TWR #91, Water Briefs: Sept. 15, 2011)

Columbia River Instream Atlas: Washington's Ecology Releases Draft Tool (TWR #93, Water Briefs: Nov. 15, 2011)

Toxics Reduction: Puget Sound Pollution Report Released by Ecology in Washington (TWR #94, Water Briefs: Dec. 15, 2011)

Stormwater Regulations in Washington: New Draft Guidance & Permits (Low Impact Development Wherever Feasible) (TWR #94, Water Briefs: Dec. 15, 2011)

Exempt Well Decision in Washington: Stockwater Exemption Unlimited (TWR #95, Water Briefs: Jan. 15, 2012)

Low Impact Stormwater Retrofit: Port Converts Standard Bioswale to Bioretention to Meet Water Quality Goals by Kim Slack (TWR #96: Feb. 15, 2012)

Tribal Water Rights: Quantification Sought in Washington (TWR #96, Water Briefs: Feb. 15, 2012)

Military MS4 Permit in Washington - Draft EPA Permit Includes LID (TWR #96, Water Briefs: Feb. 15, 2012)

LID Stormwater Retrofitting: Application to Residential Areas Around Puget Sound by Amalia Leighton (TWR #97: March 15, 2012)

Industrial Stormwater Permitting: Status and Trends in Western States by Gregg Bryden (TWR #98: April 15, 2012)

Treaty Tribes & Hatcheries by Alan C. Stay (TWR #99: May 15, 2012)

The Washington Stormwater Center: Stormwater Assistance by John D. Stark, Ph.D. and Tanyalee Erwin (TWR #99: May 15, 2012)

Stormwater: Felony Violations of the Clean Water Act Lead to Large Fine & Possible Jail Time (TWR #99, Water Briefs: May 15, 2012)

Stormwater Permits & LID: Washington State's Low Impact Development Requirements by Linsey Payne (TWR #100: June 15, 2012)

Local Land Use Decisions & Water Supply Considerations: New Rules from the Washington Supreme Court by Dave Monthie (TWR #102: August 15, 2012)

Northwest Water Banking: Meeting Instream and Out of Stream Water Needs in the Pacific Northwest by Cronin & Fowler (TWR #102: August 15, 2012)

Kalispel Tribe Agreement With Federal Agencies: Habitat & Fish Stocks in Columbia Basin (TWR #102, Water Briefs: August 15, 2012)

Dam Removal Impacts Study on Elwha River Sediment Release (TWR #102, Water Briefs: August 15, 2012)

Tribal Water Bank Developed for River Deltas' Wetlands in Washington (TWR #102, Water Briefs: August 15, 2012)

Fish Consumption Rate: Public Invited to Comment on Dept. of Ecology's Technical Support Document (TWR #103, Water Briefs: Sept. 15, 2012)

Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi (TWR #104: Oct. 15, 2012)

Comments on *Land Use & Water Supply*, TWR #102: Sarah Mack & Dave Monthie (TWR #104, Water Briefs: Oct. 15, 2012)

State of Our Watersheds - Northwest Indian Fisheries Commission Report Released (TWR #104, Water Briefs: Oct. 15, 2012)

Puget Sound Partnership's Biennial Report *State of the Sound* Released (TWR #105, Water Briefs: Nov. 15, 2012)

[Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity \(TWR #106: Dec. 15, 2012\)](#)

[Yakima Water Plan: The Other Side of the Story by Evans, Forsgaard, Maykut & Packard \(TWR #108: Feb. 15, 2013\)](#)

[Author's Reply \(Yakima Water Plan\) by Steve Malloch and Michael Garrity \(TWR #108: Feb. 15, 2013\)](#)

[Critical Habitat for Lower Columbia River Coho & Puget Sound Steelhead: Comments Closing Soon \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Vessel Spill: Washington's Dept. of Ecology Enforcement Agreement With Trident Seafoods Corp. \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Washington Stormwater Center: Projects Update by Lisa Rozmyn \(TWR #109: March 15, 2013\)](#)

[Culvert Case Decided in Washington: Tribal Treaty Fishing Rights Victory by David Moon \(TWR #110: April 15, 2013\)](#)

["Acquavella V" Decision Issued in Washington State Adjudication \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Culvert Case Appeal in Washington: Tribal Fish Passage Decision Appealed by State to 9th Circuit \(TWR #112, Water Briefs: June 15, 2013\)](#)

[Joint Regional Agreement on Best Practices for Water Quality Trading in Idaho, Oregon and Washington \(TWR #113, Water Briefs: July 15, 2013\)](#)

[Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre \(TWR #114: August 15, 2013\)](#)

[Water Purchase by State Agency in Washington for Mitigation \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Acquavella Update: Washington's 36-Year Old Water Rights Adjudication Nears An End by Jeff Kray \(TWR #115: Sept. 15, 2013\)](#)

[Instream Flows Decision in Washington: Protection from Impairment - Reserved Use Rule \(Reservation\) Invalid by David Moon \(TWR #116: Oct. 15, 2013\)](#)

[Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson \(TWR #117, Nov. 15, 2013\)](#)

[Instream Rights Enforcement Discretion Agreement - *Swinomish v. Ecology* \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Community Forest: Yakima Basin Land Purchase Key Step in Yakima Basin Integrated Plan \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon \(TWR #118, Dec. 15, 2013\)](#)

[Fish Passage & Treaty Obligations: Washington State "Culvert Case" Before the Ninth Circuit by David Moon \(TWR #120: Feb. 15, 2014\)](#)

[2013 Report to the Legislature: Statewide Progress on Setting Instream Flows - Washington Report Released \(TWR #121, Water Briefs: March 15, 2014\)](#)

[Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber, \(TWR #122: April 15, 2014\)](#)

[Hatchery v. Wild Fish Dispute: Settlement Severely Limits Releases \(ESA Evaluation Needed\) \(TWR #123, Water Briefs: May 15, 2014\)](#)

[Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors \(TWR #124: June 15, 2014\)](#)

[Illegal Sewage Dump Results in Prison Time and Fine in Washington \(TWR #124, Water Briefs: June 15, 2014\)](#)

- New Groundwater Use: Kittitas County Settlement Agreement Signed by Ecology (TWR #124, Water Briefs: June 15, 2014)
- The Columbia River Treaty: September 16 Pivot Point for the Future of the Columbia River Basin by Eric Christensen (TWR #125: July 15, 2014)
- Northwest Water Quality Trading: Joint Recommendations in the Pacific Northwest by Sanneman, Cochran, Culliney, Furia, Power & Wigington (TWR #125: July 15, 2014)
- Dam Fish Passage in Washington: New Passage Design a Success (TWR #125, Water Briefs: July 15, 2014)
- Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)
- Dam Pollution Settlement: Oil Leakage at Columbia & Snake River Dams and the Clean Water Act (TWR #126, Water Briefs: Aug. 15, 2014)
- Reclaimed Wastewater Guidance in Washington for Local Governments (TWR #126, Water Briefs: Aug. 15, 2014)
- Water Quality Trading: States' Pilot Projects and Recommendations (TWR #127, Water Briefs: Sept. 15, 2014)
- Fish Consumption Rate: Water Quality Standards Proposed in Washington State (TWR #128, Water Briefs, Oct. 15, 2014)
- Duwamish Cleanup: Superfund Final Plan in Seattle Waterway (TWR #130: Water Briefs, Dec. 15, 2014)
- Flood insurance Program: The Changing Landscape of Floodplain Insurance & Regulation by Molly Lawrence (TWR #131: Jan. 15, 2015)
- Benefit-Cost Analysis of the Yakima Basin Integrated Plan Projects* (TWR #131: Water Briefs, Jan. 15, 2015)
- Huge Instream Donation: Water Supply/Trust Program in Washington (TWR #132, Water Briefs: Feb. 15, 2015)
- Instream Rules in Washington: Repeal Denied for Skagit River/New Rule for Spokane River (TWR #132, Water Briefs: Feb. 15, 2015)
- Fish Consumption Rule & Toxics Standards Proposal for Washington (TWR #132, Water Briefs: Feb. 15, 2015)
- Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith (TWR #133: March 15, 2015)
- Watershed Planning Implementation and Flow Achievement: Washington Grant Cycle (TWR #133, Water Briefs: March 15, 2015)
- Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill (TWR #134: April 15, 2015)
- State of Salmon in Watersheds Report & Interactive Website in Washington State (TWR #134, Water Briefs: April 15, 2015)
- Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)
- Reverse Auction for Leasing Instream Flow in Washington (TWR #135, Water Briefs: May 15, 2015)
- USGS Releases "Estimated Freshwater Withdrawals in Washington, 2010 Report" (TWR #135, Water Briefs: May 15, 2015)
- Swinomish Indian Tribal Community Files Lawsuit Against BNSF Railway: Oil Trains & Easement Agreement (TWR #135, Water Briefs: May 15, 2015)
- Fish Passage Award for Innovation Received by Tacoma Power (TWR #136, Water Briefs: June 15, 2015)

New Groundwater Guidance: “Focus on New Groundwater Uses: The Groundwater Permit Exemption” (TWR #138, Water Briefs: August 15, 2015)

Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

Risk-Based UST Site Closures: Technically Sound / Good Economics for Underground Storage Tank Cleanups by Jeff Gaarder (TWR #139, Sept. 15, 2015)

Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheaume (TWR #139, Sept. 15, 2015)

Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheaume (TWR #139, Sept. 15, 2015)

Fish Consumption Rate in Washington: EPA Proposes Human Health Criteria Rule (TWR #139, Water Briefs: Sept. 15, 2015)

Sediment Cleanup in Seattle: Penalties Issued for Violations of Cleanup Agreement (TWR #139, Water Briefs: Sept. 15, 2015)

Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon (TWR #141: Nov. 15, 2015)

Fish Consumption Rule Drafted by Washington's Ecology: State v. Federal Clean Water Act Rules (TWR #141, Water Briefs: Nov. 15, 2015)

State of the Sound Report Released in Washington (TWR #142, Water Briefs: Dec. 15, 2015)

Transboundary Cooperation in the International Columbia River Basin: A Preliminary Assessment of Existing Arrangements & Future Prospects (TWR #142, Water Briefs: Dec. 15, 2015)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

Habitat Purchase: Transfer of Land to Tulalip Tribes (TWR #144, Water Briefs: Feb. 15, 2016)

National Flood Insurance & the ESA: In the Courts & On the Ground by Annette Pearson & Jim Lynch (TWR #145: March 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Illegal Irrigation in Washington Results in Penalty: Excessive Watering & Numerous Warnings (TWR #145, Water Briefs: March 15, 2016)

Columbia Basin Salmon BiOp Rejected by Federal Court: Fed Plan Invalidated for Fifth Time - ESA & NEPA Violated (TWR #146, Water Briefs: April 15, 2016)

Tribal Fishing Rights Lead to Coal Terminal Rejection by the Corps of Engineers (TWR #148, Water Briefs: June 15, 2016)

WASTE DISPOSAL RULES:

Oil & Gas Lawsuit: EPA Sued Regarding Regulations on Drilling & Fracking Wastes (TWR #146, Water Briefs: April 15, 2016)

WASTE OF WATER:

The Pope Talks On Water: Pope Francis' Encyclical on "The Issue of Water" (TWR #137, Water Briefs: July 15, 2015)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

"WASTE" Water and Return Flows:

Coalbed Methane Extraction: Newfound Impacts and Water Quality Mitigation by Tom Darin (TWR #3: May 15, 2004)

Instream Flow Petition - Hawaii Instream Flow Standards and "Waste" (TWR #5, Water Briefs: July 15, 2004)

Friant Dam and San Joaquin River Fisheries Restoration: Reasonable Remedies? by Christopher H. Calfee (TWR #17: July 15, 2005)

Colorado Whitewater Courses and Water Rights by Kenneth W. Knox (TWR #30: August 15, 2006)

All-American Canal Lining Halted: 9th Circuit Injunction (TWR #31, Water Briefs: Sept. 15, 2006)

Water Delivery - Canals, Ditches and Pipelines: The Law of Easements in Idaho, Oregon & Washington by Filippi, O'Connell & Beaton (TWR #41: July 15, 2007)

Interstate Water Allocation by Christopher H. Meyer, Givens Pursley LLP (Boise, Idaho) (TWR #42: August 15, 2007)

Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer (TWR #50: April 15, 2008)

Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge (TWR #64: June 15, 2009)

Idaho Transfers: An Update on Idaho's Water Transfer Policies and Issues by Michael C. Creamer (TWR #65: July 15, 2009)

Criminal Clean Water Act Violation: DARIGOLD Pleads Guilty (TWR #89, Water Briefs: July 15, 2011)

Improving Water Right Enforcement Authority, California Bay-Delta Watermaster Report (TWR #104, Water Briefs: Oct. 15, 2012)

Chinatown Revisited: Water Waste Suit Filed by Los Angeles Department of Water and Power (TWR #105, Water Briefs: Nov. 15, 2012)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Speculation in Water: Application Rejected in Oregon by Water Resources Department (TWR #122, Water Briefs: April 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

WASTEWATER and WASTEWATER TREATMENT (See also Reuse and Reclaimed Water):

Fish Farm Wastewater - New EPA Regulations (TWR #5, Water Briefs: July 15, 2004)

Sewage "Blending" and EPA Proposed Rule (TWR #12, Water Briefs: Feb. 15, 2005)

Sewage Settlement: \$187 Million Consent Degree (TWR #16, Water Briefs: June 15, 2005)

Wastewater Treatment - EPA Penalty for Municipality (TWR #18, Water Briefs: August 15, 2005)

Recycling Wastewater By-Products: BioCycle Farm & Poplars by Kenneth J. Vanderford (TWR #19: September 15, 2005)

Pretreatment Rule for Wastewater Discharges (TWR #20, Water Briefs: October 15, 2005)

EPA Rule Finalized: Wastewater Treatment Exemptions for Hazardous Waste (TWR #22, Water Briefs: Dec. 15, 2005)

Wastewater Treatment: Peak Wet Weather Discharges (TWR #23, Water Briefs: Jan. 15, 2006)

Nogales Wastewater Treatment: International Issues Impact Progress by Joe Gelt (TWR #27: May 15, 2006)

Municipal Wastewater Violations in Idaho - EPA Settlement (TWR #31, Water Briefs: Sept. 15, 2006)

Municipal Wastewater: Phosphorus Reduction & Permits (TWR #37, Water Briefs: March 15, 2007)

City/EPA Settlement for Wastewater Treatment Violations (CWA) (TWR #41, Water Briefs: July 15, 2007)

Utah Nonpoint Source Grant Program: Why Is It Needed? - How Will It Work? by Shelly Quick (TWR #44, Oct. 15, 2007)

Toxic Discharges Criminal Fine by EPA in Texas (TWR #44, Water Briefs: Oct. 15, 2007)

Stormwater and Wastewater Fines Levied on Boeing (California) (TWR #44, Water Briefs: Oct. 15, 2007)

Wastewater Treatment-Benefits of Moving Beyond Minimum Reqmts.: King County's Brightwater Project by Hummel (TWR #46: December 15, 2007)

Water Infrastructure: EPA Needs Assessment (TWR #48, Water Briefs: February 15, 2008)

Water Quality Assurance Revolving Fund in Arizona: Wastewater Treatment Grant (TWR #51, Water Briefs: May 15, 2008)

Small Water Systems: EPA Management Tool (TWR #51, Water Briefs: May 15, 2008)

Water Quality Thermal Credit Trading: Methods for Quantifying Thermal Credits by Dupuis, Smesrud, Wirz & Primozich (TWR #52: June 15, 2008)

Pharmaceuticals & Water Quality: EPA Information Collection Request (TWR #54, Water Briefs: August 15, 2008)

[Criminal Prosecution of Clean Water Act Failure to Report \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Groundwater Replenishment & Water Reuse: Orange County California's Water Purification and Reuse Project by Michael R. Markus \(TWR #59: Jan. 15, 2009\)](#)

[Wetlands: US/Mexico Joint Treatment Project \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Wastewater Treatment: Puget Sound Issues - Increased Stringency \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Recycled Wastewater Disposal: Santa Margarita River Case in California \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Sewer Overflows: Puget Sound Protection \(EPA Compliance Orders with Seattle & King County\) \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Power Plant Discharge: EPA Revising Wastewater Rules \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Endocrine Disruptors in Wastewater: Impacts in an Effluent Dominated Stream by Clint Rogers and Michael Luers \(TWR #70: Dec. 15, 2009\)](#)

[Reclaimed Water Decision in Washington: King County's Brightwater Project Supported \(TWR #74, Water Briefs: April 15, 2010\)](#)

[Water Efficiency - Reclamation "WaterSMART" Funding Opportunities \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Delta Smelt Decline: New Study Blames Nutrient Pollution \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Sanitary Sewer Overflows: EPA Rulemaking \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Watershed Needs: EPA Releases 2008 Survey \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Wastewater & Stormwater Pollution Control in U.S. - Over \\$298 Billion Needed \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[“Evaluation of Energy Conservation Measures for Wastewater Treatment Facilities” - EPA Release \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Clean Water Permits: EPA Requests Action on Expired Sewage Treatment & Industrial Permits in Texas \(TWR #82, Water Briefs: Dec. 15, 2010\)](#)

[Evaluation of Energy Conservation Measures for Wastewater Treatment Facilities Released by EPA \(TWR #82, Water Briefs: Dec. 15, 2010\)](#)

[Large Wastewater Fine for Municipality in Oregon: Penalty for Chlorine Discharges \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Dairy Pollution Discharge Permit Denied in New Mexico: History of Noncompliance Causes Rejection \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Industrial Waste & Wastewater: EPA Issues Civil Penalty to Food Processing Company in Kansas \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Water Contaminants Information Tool Available from EPA \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Wastewater Innovation: Reuse & Energy System Honored in Hawaii \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie \(TWR #89: July 15, 2011\)](#)

[Water & Wastewater Training: EPA Tribal Workshops \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Water Reuse in the West: State Programs and Institutional Issues: Report by Western States Water Council \(TWR #90, Water Briefs: August 15, 2011\)](#)

Water Treatment Innovations: Reclamation WaterSMART Awards Grants to California & Texas Study Projects (TWR #90, Water Briefs: August 15, 2011)

Aquifer Storage & Recovery: Advantages, Challenges, Applications & Approaches for Expanding ASR in the West by Burt and Barry (TWR #91: Sept. 15, 2011)

Reclaimed Wastewater: Hopi Tribe in Arizona Sues Flagstaff Over Snowmaking Proposal (TWR #91, Water Briefs: Sept. 15, 2011)

Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses by Drew Beckwith (TWR #93: Nov. 15, 2011)

Water Reuse in the West - Institutional Restraints (Western States Water Council Report) by Nathan Bracken (TWR #93: Nov. 15, 2011)

Water Reuse: Expanding the Nation's Water Supply through Reuse of Municipal Wastewater (NRC/EPA Report) (TWR #96, Water Briefs: Feb. 15, 2012)

Planning for Sustainability: EPA Handbook for Water and Wastewater Utilities (TWR #96, Water Briefs: Feb. 15, 2012)

Adaptation Strategies Guide for Water Utilities Released by EPA (TWR #98, Water Briefs: April 15, 2012)

Salmon Safe Certification: Golf Course Assessment Leads to Certification for Tribal Course (TWR #99, Water Briefs: May 15, 2012)

Integrated Municipal Stormwater and Wastewater Planning Approach Framework (TWR #101, Water Briefs: July 15, 2012)

Contaminants in Wastewater Effluent & Stormwater Runoff - Columbia River Basin: USGS Study (TWR #101, Water Briefs: July 15, 2012)

US-Mexico Border Water Infrastructure Program's Annual Report for 2011 Issued by EPA (TWR #102, Water Briefs: August 15, 2012)

Ben Grumbles & The U.S. Alliance: Interview by Tom Lindley (TWR #104: Oct. 15, 2012)

Disposal of Large Amounts of Contaminated Water: A Support Guide for Water Utilities Released by EPA (TWR #105, Water Briefs: Nov. 15, 2012)

Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson (TWR #106: Dec. 15, 2012)

Streamlined Application Process for Water & Wastewater Systems in Nevada (TWR #106, Water Briefs: Dec. 15, 2012)

Failure to Act: *The Impact of Current Infrastructure Investment on America's Economic Future* - ASCE Report (TWR #108, Water Briefs: Feb. 15, 2013)

Wastewater Spills in Arizona - ADEQ Enforcement (Fine & Supplemental Environmental Project Required) (TWR #110, Water Briefs: April 15, 2013)

US-Mexico Border Water Infrastructure Program 2012 Annual Report - Released by EPA (TWR #110, Water Briefs: April 15, 2013)

Stormwater Treatment Technology: Recent Innovations by Ghaffari & Johnson (TWR #113: July 15, 2013)

EPA Funding for Small Water & Wastewater Systems: Training & Technical Assistance Grants (TWR #114, Water Briefs: August 15, 2013)

Energy-Water Nexus: The Water Sector's Energy Use & the Energy Sector's Water Use (TWR #116, Water Briefs: Oct. 15, 2013)

Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. (TWR #121: March 15, 2014)

[Wastewater Injection & Earthquakes: USGS Study \(TWR #122, Water Briefs: April 15, 2014\)](#)

[Enforcement Report of 2013 Actions Released by California State Water Resources Control Board \(TWR #123, Water Briefs: May 15, 2014\)](#)

[Illegal Sewage Dump Results in Prison Time and Fine in Washington \(TWR #124, Water Briefs: June 15, 2014\)](#)

[WaterSMART Funding by Reclamation for Reclaim & Reuse Projects in California \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell \(TWR #126: August 15, 2014\)](#)

[Reclaimed Wastewater Guidance in Washington for Local Governments \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Sewage Discharges: CWA Settlement for East Bay Communities in California \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

["Water/Wastewater Utilities and Extreme Climate and Weather Events" - Report Released \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Tribal Settlement Concerning Drinking & Wastewater Systems Entered by The Omaha Tribe of Nebraska \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen \(TWR #129: Nov. 15, 2014\)](#)

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill \(TWR #129: Nov. 15, 2014\)](#)

[Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey \(TWR #130: Dec. 15, 2014\)](#)

[Intergovernmental Panel on Climate Change \(IPCC\) 5th Synthesis Report \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

[Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson \(TWR #132: Feb. 15, 2015\)](#)

[Recycled Water: Beer Brewing Proposal in Oregon \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Water Financing: New EPA Build America Investment Initiative \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Phosphorus Removal: EPA Case Study of Watershed Approach by Municipalities \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[EPA Fracking Study "Draft Assessment" Released \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Wastewater Discharge Fine in New Mexico: Proposed Penalties for CWA Violations \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Tribal Wastewater - Water Pollution Facility & Settlement Over CWA Violations by Tribal Utility \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Earthquakes Increase in Oklahoma: Oil & Gas Wastewater Injection Limited \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley \(TWR #140: Oct. 15, 2015\)](#)

[Muni-to-Farm Water in California: North Valley Recycled Water Program \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

Plastic “Microbeads” Study Proposes Outright Ban for Wastewater Problem (TWR #140, Water Briefs: Oct. 15, 2015)

Water & Power: Reclamation Science & Technology Development Projects (TWR #141, Water Briefs: Nov. 15, 2015)

Fish Consumption Rule Drafted by Washington's Ecology: State v. Federal Clean Water Act Rules (TWR #141, Water Briefs: Nov. 15, 2015)

Energy-Positive Water Resource Recovery Workshop Report (TWR #142, Water Briefs: Dec. 15, 2015)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

Climate Change Report on Oregon's Willamette Valley: Reclamation Reservoirs Buffer Impacts (TWR #143, Water Briefs: Jan. 15, 2016)

Reclaimed Water Risks-Benefits Analysis by National Academy of Sciences Released (TWR #143, Water Briefs: Jan. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Clean Watersheds Needs Survey Released by EPA (TWR #144, Water Briefs: Feb. 15, 2016)

Office of Inspector General's Report on EPA's Actions & Decision on Alaska's Bristol Bay Watershed (TWR #144, Water Briefs: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

Reuse & Conservation: EPA Research Funding Announced (TWR #146, Water Briefs: April 15, 2016)

Fracking Spills in North Dakota: Duke University Study on Widespread Water & Soil Contamination (TWR #146, Water Briefs: April 15, 2016)

Oil & Gas Lawsuit: EPA Sued Regarding Regulations on Drilling & Fracking Wastes (TWR #146, Water Briefs: April 15, 2016)

Using Graywater & Stormwater to Enhance Local Water Supplies: An Assessment of Risks, Costs, & Benefits Published (TWR #146, Water Briefs: April 15, 2016)

Green Infrastructure Guidance Announced by WRF: Capital Improvement Project Delivery Methods & Incentives (TWR #146, Water Briefs: April 15, 2016)

WASTEWATER DILUTION:

Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)

WASTEWATER DISPOSAL:

Earthquakes Increase in Oklahoma: Oil & Gas Wastewater Injection Limited (TWR #139, Water Briefs: Sept. 15, 2015)

[Earthquakes Plan in Oklahoma: Oil & Gas Wastewater Disposal Wells Impacts \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

WASTEWATER INJECTION:

[Wastewater Injection & Earthquakes: USGS Study \(TWR #122, Water Briefs: April 15, 2014\)](#)

[Earthquakes Increase in Oklahoma: Oil & Gas Wastewater Injection Limited \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

WASTEWATER REUSE (see also [WASTEWATER TREATMENT](#)):

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[Clean Watersheds Needs Survey Released by EPA \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

WATER 2025:

[Bennett Raley, Assistant Secretary of the Interior - Interview by David Moon \(TWR #7: Sept. 15, 2004\)](#)

[Water 2025 Grants - New State Program \(TWR #15, Water Briefs: May 15, 2005\)](#)

[DWR Aquifer Recharge Project in Idaho Awarded 2025 Grant \(TWR #24, Water Briefs: February 15, 2006\)](#)

[Commissioner's Water Conservation Award \(Reclamation\) to Idaho Irrigation District \(TWR #24, Water Briefs: February 15, 2006\)](#)

[Water Conservation: Reclamation Awards Grant to Kansas for Republican River \(TWR #24, Water Briefs: February 15, 2006\)](#)

[Irrigation 2005 Grant for Water Conservation \(TWR #37, Water Briefs: March 15, 2007\)](#)

WATER ACCOUNT:

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

WATER ADMINISTRATION:

[Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz \(TWR #134: April 15, 2015\)](#)

[Tribal Compact Signed for Confederated Salish and Kootenai Tribes in Montana \(TWR #135, Water Briefs: May 15, 2015\)](#)

["Takings" Case Upheld for Groundwater Protection from Regulation in Texas \(TWR #135, Water Briefs: May 15, 2015\)](#)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

WATER AUDITS:

Nevada Drought Forum Recommendations Report Released (TWR #143, Water Briefs: Jan. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

-

WATER AVAILABILITY (Water Rights Analysis):

Condemnation Proposed: Municipal Water Rights in Washington (TWR #25, Water Briefs: March 15, 2006)

Montana Supreme Court Rules on Groundwater Process: Basin Closures and Conjunctive Use by David C. Moon (TWR #28, June 15, 2006)

Colorado Whitewater Courses and Water Rights by Kenneth W. Knox (TWR #30: August 15, 2006)

New Mexico Climate Change Report Issued: Water Availability & Demand (TWR #31, Water Briefs: Sept. 15, 2006)

Interstate Compact Lawsuit: *Montana v. Wyoming* (TWR #36, Water Briefs: February 15, 2007)

Groundwater Rights in Nevada: State Engineer Approval of SNWA Applications (TWR #39, Water Briefs: May 15, 2007)

Water Resources Cash Fund Created in Nebraska (TWR #40, Water Briefs; June 15, 2007)

Interstate Water Allocation by Christopher H. Meyer, Givens Pursley LLP (Boise, Idaho) (TWR #42: August 15, 2007)

"Post-Appropriation" Water Management: Colorado's Water for the 21st Century Act by George Sibley (TWR #42, August 15, 2007)

Colorado River Shortages: Reclamation Preferred Alternative (TWR #42, Water Briefs: August 15, 2007)

Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering (TWR #43, Sept. 15, 2007)

Lower Platte River Decision on Water Availability (TWR #48, Water Briefs: February 15, 2008)

Rio Grande Settlement Between New Mexican & Texan Irrigation Districts: Dispute Over Interstate Surface & Groundwater by Moon (TWR #50: April 15, 2008)

Groundwater Availability Modeling: The Texas Experience by Van Kelley, Robert Mace, and Neil Deeds (TWR #54, August 15, 2008)

Domestic Wells in New Mexico: Senior Water Rights Protected in Court Decision (TWR #54, Water Briefs: August 15, 2008)

Ground-Water Availability in the United States: USGS Circular 1323 Released (TWR #54, Water Briefs: August 15, 2008)

Climate Change and Water: IPCC Technical Paper VI by David Moon (TWR #56: October 15, 2008)

Groundwater and Water Availability: Colorado Decision on Exempt Wells and the No Injury Rule (TWR #59, Water Briefs: Jan. 15, 2009)

[Ground Water Availability & The No Injury Rule: Domestic Well Owners Protected in Colorado by David Moon \(TWR #60: Feb. 15, 2009\)](#)

[Coalbed Methane Decision: "Beneficial Use" and Well Permit Required - Ranchers' Senior Water Rights Protected by David Moon \(TWR #63: May 15, 2009\)](#)

[Urban Runoff Reuse: Climate Change Measure Proposed in California \(Hearing June 17\) \(TWR #64, Water Briefs: June 15, 2009\)](#)

[Regional U.S. Impacts of Global Climate Change: Federal Report Provides Assessment of National & Regional Impacts \(TWR #65, Water Briefs: July 15, 2009\)](#)

[The Colorado Water Trust: Western Water Trusts & the Colorado Experience by Amy W. Beatie \(TWR #66: August 15, 2009\)](#)

[High Plains Aquifer \(Ogallala\) - USGS Water Quality Study \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Interbasin Transfers: Groundwater Rights Vacated by Court in Nevada \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Aquifer Storage & Recovery; New Federal Initiatives - EPA to Develop Guidance by Dr. Cat Shrier \(TWR #74, April 15, 2010\)](#)

[Tribal Surface Water Rights: Hydraulic Connection Equals Protection - Groundwater Impacts & Federal Jurisdiction by David C. Moon \(TWR #75: May 15, 2010\)](#)

[Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill \(TWR #76: June 15, 2010\)](#)

[Tribal Water Decision in Nevada: Groundwater Change Application Granted by David Moon \(TWR #83: Jan. 15, 2011\)](#)

[Groundwater Moratorium Since 2004 Lifted in Kansas: USGS Study of Ozark Plateau Aquifer \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Water Demand Assessment: Western Governors' Association \(Transfers, Energy, ESA & Climate Change\) \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Water Plan Report: Oregon's Integrated Water Resources Strategy Moving Forward \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Hydraulic Fracturing & Drinking Water: EPA's Plan to Study Impacts of Hydraulic Fracturing - Debate Intensifies by Orford \(TWR #85: March 15, 2011\)](#)

[Wyoming Streamflow Restoration: History, Update & Current Strategies by Scott Yates \(TWR #86: April 15, 2011\)](#)

[Water Use Curtailment in Texas: TCEQ Considers Drought Response \(Priority, Riparian Rights & Contingency Plans\) \(TWR #87, Water Briefs: May 15, 2011\)](#)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[Tribal Protection: Exempt Wells Moratorium in Washington \(TWR #88, Water Briefs: June 15, 2011\)](#)

[Fully Appropriated: Nebraska Supreme Court Decision Impacts Surface & Groundwater Regulation \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Water Planning in Oregon: "Recommended Actions" Proposed for Comment \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Instream Flow Assessment - The Science of the Art: Approaches to Evaluating Riverine Aquatic Habitat by Thomas R. Payne \(TWR #95: Jan. 15, 2012\)](#)

[Construing Speculative Use: TCEQ Remands Million Acre-Foot Water Application for Brazos River Basin by David Moon, Editor \(TWR #96: Feb.](#)

15, 2012)

Nuclear Power Water Right Change Applications Approved in Utah (TWR #96, Water Briefs: Feb. 15, 2012)

Republican River Compact: Federalism, the Compact, and the Serial Crises of State Water Law by Burke W. Griggs (TWR #100: June 15, 2012)

Water Availability Study by USGS: Climate Change Impact in 14 Basins (TWR #101, Water Briefs: July 15, 2012)

Local Land Use Decisions & Water Supply Considerations: New Rules from the Washington Supreme Court by Dave Monthie (TWR #102: August 15, 2012)

WaterSMART Update (TWR #105: Nov. 15, 2012)

Interstate Compact Litigation Between Oklahoma & Texas: U.S. Solicitor General Files Opinion (TWR #106, Water Briefs: Dec. 15, 2012)

National Climate Assessment Draft Released by Federal Advisory Committee: "Firmly in the Present" (TWR #108, Water Briefs: Feb. 15, 2013)

Groundwater Closure in New Mexico: Protection of Existing Rights (TWR #109, Water Briefs: March 15, 2013)

Hydraulic Fracturing & Water: Considering the Water Resources Impacts of Hydraulic Fracturing by Adam Orford (TWR #110: April 15, 2013)

Progress Toward Establishing a National Assessment of Water Availability and Use - Interior Water Census (TWR #110, Water Briefs: April 15, 2013)

Snake Valley Water Agreement Rejected by Utah Governor (Nevada & Utah Agreement) (TWR #111, Water Briefs: May 15, 2013)

Klamath BiOp - Operations of Klamath Project Through 2023 Announced by Reclamation (NMFS & USFWS BiOp) (TWR #112, Water Briefs: June 15, 2013)

The Southern Delivery System - Getting to the Finish Line: Planning, Permitting & Constructing by John A. Fredell (TWR #113: July 15, 2013)

Speculation Decision by Colorado Supreme Court: "Can and Will" Requirements Clarified (TWR #113, Water Briefs: July 15, 2013)

Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)

New Mexico's Exempt Wells Decision & Protection for Senior Water Users by David Moon (TWR #114: August 15, 2013)

Colorado River Management & Drought: Lake Powell Releases to be Lowered Significantly by David Moon, Editor (TWR #115: Sept. 15, 2013)

Instream Flows Decision in Washington: Protection from Impairment - Reserved Use Rule (Reservation) Invalid by David Moon (TWR #116: Oct. 15, 2013)

Energy-Water Nexus: The Water Sector's Energy Use & the Energy Sector's Water Use (TWR #116, Water Briefs: Oct. 15, 2013)

National Water Census: USGS & Stakeholders Give Congressional Briefing (TWR #116, Water Briefs: Oct. 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Indian Country Water Rights: Permit-Exempt Uses Impacting Protected Instream Flow - *U.S. v. Anderson* by Robin G. McPherson (TWR #117, Nov. 15, 2013)

Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon (TWR #118, Dec. 15, 2013)

Groundwater Regulation & "Takings" in Texas by Deborah C. Trejo (TWR #119: Jan. 15, 2014)

Las Vegas Water Rights Decision - Judge Overturns State Engineer Approvals by David Moon (TWR #119: Jan. 15, 2014)

Rio Grande Water: Upper & Lower Basin Studies Released by Reclamation (TWR #120, Water Briefs: Feb. 15, 2014)

Arizona's "Strategic Vision for Water Supply Sustainability" (TWR #121, Water Briefs: March 15, 2014)

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

Freshwater Supply Report Released by GAO (TWR #124, Water Briefs: June 15, 2014)

Arizona Groundwater Use Decision: Groundwater Plan for Development Project Rejected by David Moon (TWR #125: July 15, 2014)

California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon (TWR #128, Oct. 15, 2014)

Groups Appeal Water Rights Decision for Nuclear Reactor Project (Speculation, Availability & Stream Environment) (TWR #128, Water Briefs, Oct. 15, 2014)

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Integrating Storage in California's Changing Water System: Storage and Water Management Report (TWR #131: Water Briefs, Jan. 15, 2015)

Speculation & Fracking: Transfer/Change Request Opposed in New Mexico (TWR #131: Water Briefs, Jan. 15, 2015)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem (TWR #135: May 15, 2015)

USGS Releases "Estimated Freshwater Withdrawals in Washington, 2010 Report" (TWR #135, Water Briefs: May 15, 2015)

Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board (TWR #136: June 15, 2015)

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

EPA Fracking Study "Draft Assessment" Released (TWR #137, Water Briefs: July 15, 2015)

Curtailment Support in California - Court Ruling in State's Favor on Enforcement (TWR #138, Water Briefs: August 15, 2015)

Civil Penalty for Unauthorized Diversion/Use in California: \$1.5 million Fine Issued for Water District (TWR #138, Water Briefs: August 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

Muni-to-Farm Water in California: North Valley Recycled Water Program (TWR #140, Water Briefs: Oct. 15, 2015)

Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon (TWR #141: Nov. 15, 2015)

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon (TWR #141: Nov. 15, 2015)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

Measuring & Reporting in California: Diversion Regulations Adopted (TWR #144, Water Briefs: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

Nanotechnology & Water Sustainability: The Water Sustainability Through Nanotechnology Signature Initiative (TWR #146: April 15, 2016)

Report on Water Available for Replenishment of Groundwater in California: Interim White Paper (TWR #146, Water Briefs: April 15, 2016)

Drought Enforcement in California - Dismissals Proposed Due to Failure to Prove Water Not Available (TWR #148, Water Briefs: June 15, 2016)

Recommendations for Improving Water Transfers and Access to Water Markets in California (TWR #148, Water Briefs: June 15, 2016)

WATER BANKS: (see also WATER MARKETS):

Water Banks - Analysis of Western States (TWR #6, Water Briefs: Aug. 15, 2004)

Klamath Water Bank: USGS Report (TWR #16, Water Briefs: June 15, 2005)

Interstate Water Banking: Evolving Colorado River System Agreement by James H. Davenport (TWR #17: July 15, 2005)

Klamath Water Bank 2005 (TWR #17, Water Briefs: July 15, 2005)

Municipal Water Rights in New Mexico: Various Approaches and Development Impacts by James Brockmann (TWR #31; September 15, 2006)

[Untapping Tribal Waters: Tribal Water Marketing Expanding by Clay J. Landry and Christina Quinn \(TWR #35: January 15, 2007\)](#)

[Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs \(TWR #36, February 15, 2007\)](#)

[Santa Fe Water Resources and Policy: Evolving "Wet Growth Regulations" by Kyle Harwood \(TWR #36, February 15, 2007\)](#)

[Water Conservation Initiatives - Western States Take Action by Craig Bell \(TWR #38: April 15, 2007\)](#)

[Colorado River Agreement & Southern California Water by William Hasencamp \(TWR #39: May 15, 2007\)](#)

[Water Management Conservation Award to Deschutes River Conservancy \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer \(TWR #50: April 15, 2008\)](#)

[Aquifer Recharge and Storage: Ongoing Implementation Concerns by Peter G. Scott \(TWR #54, August 15, 2008\)](#)

[Water Management Alternatives: Incorporating "New" Water Management Methods at a Watershed Scale by Cat Shrier \(TWR #56: October 15, 2008\)](#)

[Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell \(TWR #56: October 15, 2008\)](#)

[2009 Drought Water Bank in California: CDWR Facilitates Exchanges \(TWR #56, Water Briefs: October 15, 2008\)](#)

[Bureau of Reclamation Grants: "Water for America" Challenge \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Habitat Protection & Water Rights: Balancing Stream Habitat with New Water Rights Issuance - Washington's Watershed Management Program by Graham \(TWR #60: Feb. 15, 2009\)](#)

[Water Marketing in Texas: Selling or Leasing of Groundwater and Surface Water Rights by Edmond R. McCarthy, Jr. \(TWR #62: April 15, 2009\)](#)

[Ecomarket Approaches to Addressing Water Quality Obligations: Legal Overview and the Hells Canyon Test Case by Glick & Nocar \(TWR #63: May 15, 2009\)](#)

[Ecology Establishes Water Exchange for Exempt Wells Mitigation \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[Arizona Water Management Issues: Maintaining Sustainable Water Management by Steve Olson \(TWR #68: Oct. 15, 2009\)](#)

[Groundwater Mitigation in Washington: Bank for New Groundwater Rights \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[New Water Market Website for Washington Agency \(Ecology\) Programs \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Wetland Mitigation Bank in Washington: New Rules/New Bank \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Northwest Water Marketing: Re-Allocating Water in the Pacific Northwest by Richard A. Slaughter \(TWR #77: July 15, 2010\)](#)

[Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak \(TWR #81: November 15, 2010\)](#)

[Nebraska's Evolving Water Law: Challenges and Opportunities Part I by Mary E. Kelly \(TWR #81: November 15, 2010\)](#)

[Water Right Purchases in Nebraska: Platte River Enhancement \(TWR #85, Water Briefs: March 15, 2011\)](#)

Multi-Sector Water Sharing (Agricultural-Urban-Environmental): Innovative Strategies for the Colorado River Basin & the West by Smith (TWR #88: June 15, 2011)

Water Banks & Groundwater Mitigation in Washington (TWR #89, Water Briefs: July 15, 2011)

Water Planning in Oregon: "Recommended Actions" Proposed for Comment (TWR #90, Water Briefs: August 15, 2011)

Aquifer Storage & Recovery: Advantages, Challenges, Applications & Approaches for Expanding ASR in the West by Burt and Barry (TWR #91: Sept. 15, 2011)

Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whychus Creek by Pamela Thalacker (TWR #101: July 15, 2012)

Northwest Water Banking: Meeting Instream and Out of Stream Water Needs in the Pacific Northwest by Cronin & Fowler (TWR #102: August 15, 2012)

Tribal Water Bank Developed for River Deltas' Wetlands in Washington (TWR #102, Water Briefs: August 15, 2012)

Arizona Groundwater Management by Sharon B. Megdal (TWR #104: Oct. 15, 2012)

Water Transfers in the West by Carlee Brown (TWR #107: January 15, 2013)

California's Water Market, By the Numbers, Update 2012 (TWR #107, Water Briefs: January 15, 2013)

Conjunctive Management of Surface & Ground Water in Idaho (Public-Private Partnerships) by Tuthill, Rassier & Anderson (TWR #108: Feb. 15, 2013)

Tribal Claims to the Colorado River by Ryan Smith (TWR #109: March 15, 2013)

Conjunctive Use in California's Central Valley: Mixed Results After Decades of Groundwater Banking by Jennifer Spaletta (TWR #111: May 15, 2013)

Reclamation Announces Actions & Strategies to Improve Water Supplies for California's Central Valley Project (TWR #111, Water Briefs: May 15, 2013)

Water Banking Criteria Draft Released by Reclamation for Central Valley Project (TWR #112, Water Briefs: June 15, 2013)

Groundwater Banking Project: Reclamation Restoration Funds (San Joaquin River Restoration Settlement Act)(TWR #113, Water Briefs: July 15, 2013)

Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)

Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon (TWR #118, Dec. 15, 2013)

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

Aquifer Recharge - Water Banking Paper by Arizona WRRC (TWR #125, Water Briefs: July 15, 2014)

Shopping for Water: How the Market Can Mitigate Water Shortages in the American West - The Hamilton Project Paper (TWR #129: Water Briefs, Nov. 15, 2014)

Gila Water Storage: Innovative Banking Creates “Long-Term Storage Credits” - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

Watershed Planning Implementation and Flow Achievement: Washington Grant Cycle (TWR #133, Water Briefs: March 15, 2015)

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

Colorado Water Markets: “Alternative Transfer Mechanisms” by P. Andrew Jones (TWR #138, August 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

Water Banking & Storage Agreement Between SNWA and MWD Supplements California Supplies During Drought (TWR #140, Water Briefs: Oct. 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

Unbundling Water Rights: Pilot Program Anticipated in Nevada’s Diamond Valley / Excerpts from “Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States” by Mike Young (TWR #144: Feb. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington’s Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP’s Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Two Wrongs Don't Make a Water Right: Washington’s Waters are Already Over-Allocated - Use of a “Values-based” Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

Tribal Water Lease in Idaho: Storage Rights to Mitigate for Groundwater Use (TWR #148, Water Briefs: June 15, 2016)

"WATER BUDGET":

Progress Toward Establishing a National Assessment of Water Availability and Use - Interior Water Census (TWR #110, Water Briefs: April 15, 2013)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington’s Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

WATER BUDGET-NEUTRAL:

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

WATER CODES:

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

WATER CONSUMPTION (CALCULATION):

Republican River Compact Decision - *Kansas v. Nebraska*: The Supreme Court's Equitable Powers by David Moon (TWR #133: March 15, 2015)

WATER COURTS (see also COLORADO WATER LAW):

Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer (TWR #127: Sept. 15, 2014)

Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz (TWR #134: April 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones (TWR #138, August 15, 2015)

Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap (TWR #148: June 15, 2016)

WATER DATA EXCHANGE (WaDE):

"Western State Water Program Capabilities Assessment Survey Report" Released by Western States Water Council (TWR #128, Water Briefs, Oct. 15, 2014)

WATER DEBT:

U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service (TWR #118, Dec. 15, 2013)

WATER DISCHARGES:

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[WATER-EFFECT RATIOS:](#)

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher \(TWR #148: June 15, 2016\)](#)

[WATER/ENERGY NEXUS \(See also ENERGY\):](#)

[Water and Energy Nexus: Site Scale Conservation Opportunities by Steve Moddemeyer \(TWR #63: May 15, 2009\)](#)

[“Unquenchable: America’s Water Crisis and What to Do About It” - Interview with Author Robert Glennon by David Moon, Editor \(TWR #64: June 15, 2009\)](#)

[Urban Runoff Reuse: Climate Change Measure Proposed in California \(Hearing June 17\) \(TWR #64, Water Briefs: June 15, 2009\)](#)

[Water-Energy: National Symposium Upcoming \(TWR #65, Water Briefs: July 15, 2009\)](#)

[Integrated Water-Energy Planning: Major Nationwide Dialogue Underway by Shrier, Hightower & Johnson \(TWR #66: August 15, 2009\)](#)

[Aquifer Storage & Recovery; New Federal Initiatives - EPA to Develop Guidance by Dr. Cat Shrier \(TWR #74, April 15, 2010\)](#)

[Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak \(TWR #81: November 15, 2010\)](#)

[Reclamation's WaterSMART Program: Working to Meet Future Water & Energy Demands by Avra Morgan \(TWR #92: Oct. 15, 2011\)](#)

[Closed Loop Geothermal Power Plants: New Mexico Clarifies Permit Process by Michelle Henrie \(TWR #97: March 15, 2012\)](#)

[Municipal Water Resources & Regional Planning: The Prairie Waters Project - Aurora, Colorado by Lisa Darling \(TWR #98: April 15, 2012\)](#)

[Colorado Basin Study - Basin Water Supply & Demand Study Update by Carly Jerla, James Prairie, & Pam Adams \(TWR #100: June 15, 2012\)](#)

[WaterSMART Update \(TWR #105: Nov. 15, 2012\)](#)

[California’s Water-Energy Nexus: Pathways to Implementation - White Paper by Governor's Climate Action Team \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson \(TWR #106: Dec. 15, 2012\)](#)

[At the Water-Energy Nexus: Renewable Energy from In-Conduit Hydropower by Jennifer Allen Newton \(TWR #112: June 15, 2013\)](#)

[Energy-Water Nexus: The Water Sector's Energy Use & the Energy Sector's Water Use \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[The Water-Energy Nexus: Challenge and Opportunities Released by DOE \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey \(TWR #130: Dec. 15, 2014\)](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

[*The Impacts of EPA's Clean Power Plan on Electricity Generation and Water Use in Texas* \(TWR #131: Water Briefs, Jan. 15, 2015\)](#)

[Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson \(TWR #132: Feb. 15, 2015\)](#)

[In-Pipe Hydropower: Portland's In-Pipe System Secures 20-Year Power Purchase Agreement by Jennifer Allen Newton \(TWR #132: Feb. 15, 2015\)](#)

[Mandatory Water Use Restrictions in California: Governor's Executive Order a First \(TWR #134, Water Briefs: April 15, 2015\)](#)

["California Climate & Science Data for Water Resources Management" Released by CDWR \(TWR #137, Water Briefs: July 15, 2015\)](#)

[EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley \(TWR #140: Oct. 15, 2015\)](#) [Water & Power: Reclamation Science & Technology Development Projects \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Energy-Positive Water Resource Recovery Workshop Report \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Drought Proofing in Oklahoma: Water for 2060 \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[WATER HARDNESS:](#)

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher \(TWR #148: June 15, 2016\)](#)

[WATER HARVESTING \(see also RAINWATER HARVESTING\):](#)

[Water Harvesting Assessment \(TWR #124, Water Briefs: June 15, 2014\)](#)

[WATER INFORMATION:](#)

[Snow Survey Funds Jeopardy - Western States Water Council \(TWR #5, Water Briefs: July 15, 2004\)](#)

[Estuaries Restoration - NOAA Inventory Released \(TWR #5, Water Briefs: July 15, 2004\)](#)

[Water Supply Initiative in Colorado \(TWR #10, Water Briefs: Dec. 15, 2004\)](#)

[Land and Water Use: New California Website Collects Data \(TWR #11, Water Briefs: Jan. 15, 2005\)](#)

[Comprehensive Groundwater Study Released in California \(TWR #11, Water Briefs: Jan. 15, 2005\)](#)

[Growth and Water: EPA Training Module On-Line \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Water Quality Database \(EPA\) \(TWR #13, Water Briefs: March 15, 2005\)](#)

[ESA Recovery Program Report Online \(TWR #18, Water Briefs: August 15, 2005\)](#)

[Western Water Digital Information Website by Constance Lundberg \(TWR #20: October 15, 2005\)](#)

[USGS Report on Groundwater in US \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Water Supply: Declining Aquifer in Washington \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Reclamation Study: Potential Hydroelectric and Water Supply Projects in the Western United States \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[US Water Monitor Website \(TWR #22, Water Briefs: Dec. 15, 2005\)](#)

[Final California Water Plan Update 2005 \(TWR #24, Water Briefs: February 15, 2006\)](#)

[USGS Pesticides Report - Comprehensive Study Released \(TWR #25, Water Briefs: March 15, 2006\)](#)

[Municipal Water Conservation: Cost Benefit Analysis and Comparison by Val L. Little and Rebecca Gallup \(TWR #30: August 15, 2006\)](#)

[Quantifying Instream Flow Needs by Tom Annear \(TWR #31; September 15, 2006\)](#)

[Yakima USGS Groundwater Study \(TWR #32, Water Briefs: October 15, 2006\)](#)

[World Water Forum Final Report \(TWR #32, Water Briefs: October 15, 2006\)](#)

[The Colorado River: New Operational Guidelines for Lake Powell and Lake Mead by Fulp, Yoder & Blatchford \(TWR #33: Nov. 15, 2006\)](#)

[Ecosystem Indicators \(EPA Web-Based Program\): Puget Sound \(TWR #33, Water Briefs: Nov. 15, 2006\)](#)

[Water Quality Data Warehouse: USGS Program for Data and Mapping \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Drinking Water: Unregulated Contaminants Monitored for Study \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Mercury Study of Rivers in West Released \(EPA & OSU\) \(TWR #36, Water Briefs: February 15, 2007\)](#)

[Laws of the Rivers: Compendium for Major Interstate Rivers \(TWR #37: March 15, 2007\)](#)

[Water Conservation Initiatives - Western States Take Action by Craig Bell, Western States Water Council \(TWR #38: April 15, 2007\)](#)

[USGS Mississippi River Report: Streamflows and Nutrient Delivery \(TWR #38, Water Briefs: April 15, 2007\)](#)

[Klamath Basin "Takings" Decision, Minimum Flows Decision & USGS Groundwater Report \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Studies Find Persistent Toxics in Water \(Washington\) \(TWR #41, Water Briefs: July 15, 2007\)](#)

[New Dam Study for Off-Channel Storage by Ecology & Reclamation \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Tribal Water Quality: EPA Portal Website \(TWR #42, Water Briefs: August 15, 2007\)](#)

[Exempt Wells in Washington: Interim Management Limitations and Groundwater Study \(TWR #46, Water Briefs: December 15, 2007\)](#)

Klamath River Basin: National Research Council Report Released (TWR #46, Water Briefs: December 15, 2007)

Water Infrastructure: EPA Needs Assessment (TWR #48, Water Briefs: February 15, 2008)

California Water Plan Workshops Scheduled (TWR #49, Water Briefs: March 15, 2008)

Groundwater & Surface Water Interactions Model Released by USGS (GSFLOW) (TWR #50, Water Briefs: April 15, 2008)

California SWRCB Seeks Comments on Draft Baseline Enforcement Report (TWR #50, Water Briefs: April 15, 2008)

National Water Program Strategy: Response to Climate Change - EPA Seeks Comment to Draft (TWR #50, Water Briefs: April 15, 2008)

Idaho Water Law: Update from Coeur d'Alene Conference by David Moon (TWR #52: June 15, 2008)

Environmental Indicators: EPA 2008 Report on the Environment (TWR #52, Water Briefs: June 15, 2008)

Water Quality Data: Real-Time Info on USGS Websites (TWR #52, Water Briefs: June 15, 2008)

Groundwater Availability Modeling: The Texas Experience by Van Kelley, Robert Mace, and Neil Deeds (TWR #54, August 15, 2008)

Ground-Water Availability in the United States: USGS Circular 1323 Released (TWR #54, Water Briefs: August 15, 2008)

Climate Change and Water: IPCC Technical Paper VI by David Moon (TWR #56: October 15, 2008)

Water Use Inventory Released by New Mexico (TWR #55, Water Briefs: September 15, 2008)

Climate Change and Water: IPCC Technical Paper VI by David Moon (TWR #56: October 15, 2008)

NOAA Arctic Report Reveals Greater Warming & Domino Effect (TWR #57, Water Briefs: November 15, 2008)

EPA's National Water Program Strategy: Response to Climate Change Released (TWR #57, Water Briefs: November 15, 2008)

Fish Habitat: NOAA Mapping Tool Online (TWR #58, Water Briefs: December 15, 2008)

Water Efficiency Library: Comprehensive Resource Launched (TWR #58, Water Briefs: December 15, 2008)

Climate Change and Water Resources Management: A Federal Perspective Report Released by Federal Agencies (TWR #60, Water Briefs: Feb. 15, 2009)

Inventory of Potential Below Ground Storage Sites Report Released by Oregon Water Resources Department (TWR #60, Water Briefs: Feb. 15, 2009)

NOAA's Climate Prediction Center: La Niña and El Niño Alerts (TWR #60, Water Briefs: Feb. 15, 2009)

Oregon Water Demand Forecasting: A Transparent & Flexible Tool for State Water Needs Assessment by Igloria & Graham (TWR #62: April 15, 2009)

World's Major Rivers: An Introduction to International Water Law With Case Studies Book Released (TWR #62, Water Briefs: April 15, 2009)

Coalbed Ammonia: Powder River Pollution (TWR #63, Water Briefs: May 15, 2009)

[Watershed Central: EPA Website Launched \(TWR #64, Water Briefs: June 15, 2009\)](#)

[Regional U.S. Impacts of Global Climate Change: Federal Report Provides Assessment of National & Regional Impacts \(TWR #65, Water Briefs: July 15, 2009\)](#)

[EPA Interagency Website: Improved Access for Federal Regulations \(TWR #66, Water Briefs: August 15, 2009\)](#)

[High Plains Aquifer \(Ogallala\) - USGS Water Quality Study \(TWR #67, Water Briefs: Sept. 15, 2009\)](#)

[River Basin Studies: Reclamation Program \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Guide to Water Quality in Montana Released \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Climate Change Information: NOAA Climate Service Website \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Electronic Water Rights Information Management System \(Database\) in California \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Aquifer Storage & Recovery; New Federal Initiatives - EPA to Develop Guidance by Dr. Cat Shrier \(TWR #74, April 15, 2010\)](#)

[Groundwater System in California: Legislative Analyst's Office Report Released \(TWR #74, Water Briefs: April 15, 2010\)](#)

[Toxics Inventories: EPA Proposed Toxics Release Inventory Expansion \(TWR #75, Water Briefs: May 15, 2010\)](#)

[National Low Impact Development Atlas: Interactive Site Up on Web \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Bureau of Reclamation Update: Interview with Reclamation Commissioner Mike Connor by David Moon \(TWR #82: Dec. 15, 2010\)](#)

[Alteration of Streamflows & Ecological Consequences Report Released by USGS \(TWR #82, Water Briefs: Dec. 15, 2010\)](#)

[Water Quality Permits Information Access: Oregon DEQ Launches Water Quality Electronic Document Repository by Daniel Hermosillo \(TWR #84: Feb. 15, 2011\)](#)

[Water Contaminants Information Tool Available from EPA \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Tissue Monitoring: California Data Exchange Network \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Clean Water Act Enforcement - EPA Updates Data & Mapping Webtool \(TWR #86, Water Briefs: April 15, 2011\)](#)

[Sustainable Water Use: Invisioning a Sustainable Water Future for the American West by Barton "Buzz" Thompson \(TWR #87: May 15, 2011\)](#)

[Colorado River Basin Supply & Demand Study by Carly Jerla, Terry Fulp, and Pam Adams \(TWR #90: August 15, 2010\)](#)

[Draft Columbia River Basin Long-Term Water Supply and Demand Forecast Released by Ecology \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Trichloroethylene \(TCE\) Health Assessment Released - Integrated Risk Information System Database \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Wetlands Decline: USFWS Report on Status & Trends - 2004-2009 \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[Aquatic Bioassessment USGS Database: BioData Retrieval System \(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[Discharge Monitoring Report \(DMR\) Pollutant Loading Tool: EPA Online Tool \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

Toxics Release Inventory (TRI) - 2010 Northwest Analysis Released (TWR #96, Water Briefs: Feb. 15, 2012)

Reclamation Funding for Comprehensive Basin Studies in the West (WaterSMART) (TWR #98, Water Briefs: April 15, 2012)

USGS & EPA Launch Online Portal for Water Quality Information (TWR #99, Water Briefs: May 15, 2012)

Water Availability Study by USGS: Climate Change Impact in 14 Basins (TWR #101, Water Briefs: July 15, 2012)

Inland Empire Groundwater: USGS Groundwater Quality Study - Nitrates & Perchlorates (TWR #102, Water Briefs: August 15, 2012)

New Mexico State Engineer's Report: 2009-2011 Annual Report (TWR #102, Water Briefs: August 15, 2012)

WaterSMART Update (TWR #105: Nov. 15, 2012)

Puget Sound Partnership's Biennial Report *State of the Sound* Released (TWR #105, Water Briefs: Nov. 15, 2012)

Health of Waterways: EPA Releases New Web App (*How's My Waterway* app and website) (TWR #105, Water Briefs: Nov. 15, 2012)

Storage to Retention: Expanding California's Options for Meeting Its Water Needs - Roundtable on Water & Food Supply (TWR #106, Water Briefs: Dec. 15, 2012)

Protecting Drinking Water Sources through Agricultural Conservation Practices: USDA Toolkit Released (TWR #106, Water Briefs: Dec. 15, 2012)

The Colorado River Basin Water Supply and Demand Study Released by Reclamation (TWR #107, Water Briefs: January 15, 2013)

Progress Toward Establishing a National Assessment of Water Availability and Use - Interior Water Census (TWR #110, Water Briefs: April 15, 2013)

2008-2009 National Rivers and Stream Assessment - EPA Stream Survey (TWR #110, Water Briefs: April 15, 2013)

Idaho Waters Digital Library - New Version Released (TWR #111, Water Briefs: May 15, 2013)

California Water Rights Atlas Unveiled by Resource Renewal Institute (TWR #111, Water Briefs: May 15, 2013)

Aquifer Depletion Study: USGS Releases *Groundwater Depletion in the United States (1900-2008)* (TWR #112, Water Briefs: June 15, 2013)

Ecological Health in the Nation's Streams, 1993-2005 Released by USGS (TWR #114, Water Briefs: August 15, 2013)

High Plains Aquifer (Ogallala) Depletion Detailed - Unsustainable Agriculture Use of Groundwater (TWR #115, Water Briefs: Sept. 15, 2013)

"Waters of the US"-Clean Water Act Jurisdiction Rule: Connectivity of Streams & Wetlands Report Released (TWR #116, Water Briefs: Oct. 15, 2013)

National Water Census: USGS & Stakeholders Give Congressional Briefing (TWR #116, Water Briefs: Oct. 15, 2013)

Klamath Basin Coordinating Council Releases Third Annual Report (TWR #117, Water Briefs: Nov. 15, 2013)

"Importance of Water" Report Released by EPA (TWR #118, Water Briefs: Dec. 15, 2013)

"Assessment of Groundwater Level Trends across the United States" Published by Columbia Water Center (TWR #122, Water Briefs: April 15, 2014)

EPA Released Enhanced Version of *"How's My Waterway"* App & Website (TWR #123, Water Briefs: May 15, 2014)

USGS Unveils National Climate Change Viewer (TWR #124, Water Briefs: June 15, 2014)

Pesticides in US Streams & Rivers: USGS Report Compares Data from 1992-2001 & 2002-2011 (Edited/condensed from USGS) (TWR #128, Oct. 15, 2014)

USGS Water Use Report Released: Withdrawals Dropping (TWR #130: Water Briefs, Dec. 15, 2014)

Ongoing Drought in the Southwest and Central Plains: Climate Change Megadrought Predicted (TWR #133, Water Briefs: March 15, 2015)

USGS Releases "Estimated Freshwater Withdrawals in Washington, 2010 Report" (TWR #135, Water Briefs: May 15, 2015)

Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board (TWR #136: June 15, 2015)

"Hydraulic Fracturing Water Use Variability in the United States and Potential Environmental Implications" - USGS (TWR #137, Water Briefs: July 15, 2015)

The Wyoming Water and Climate Web Atlas Released (TWR #138, Water Briefs: August 15, 2015)

"National Wetland Condition Assessment" - West Conditions Lag (TWR #141, Water Briefs: Nov. 15, 2015)

Improving the Federal Response to Drought: Five Areas for Reform - PPIC Water Policy Center Report (TWR #144, Water Briefs: Feb. 15, 2016)

"Quantified Conservation" - Measurement & Tracking of Environmental Outcomes & Impact by The Freshwater Trust (TWR #144, Water Briefs: Feb. 15, 2016)

Water Quality Monitoring Report Released by Izaak Walton League of America: Haphazard & Limited (TWR #146, Water Briefs: April 15, 2016)

WATER INNOVATION:

California Water Policy Challenge by Imagine H2O - Water Innovation Contest (TWR #139, Water Briefs: Sept. 15, 2015)

EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley (TWR #140: Oct. 15, 2015)

WATER INVESTMENTS:

Water Investments: Principles, Requirements & Guidelines for Federal investments Released (TWR #131: Water Briefs, Jan. 15, 2015)

Natural Resource Investment Center Established by Department of Interior (TWR #143, Water Briefs: Jan. 15, 2016)

WATER LAW PRINCIPLES:

Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon (TWR #141: Nov. 15, 2015)

WATER MANAGEMENT:

USGS Water Use Report Released: Withdrawals Dropping (TWR #130: Water Briefs, Dec. 15, 2014)

Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly (TWR #131: Jan. 15, 2015)

Integrating Storage in California's Changing Water System: Storage and Water Management Report (TWR #131: Water Briefs, Jan. 15, 2015)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015)

Water Resource Issues in the 114th Congress-Congressional Research Service Report (TWR #133, Water Briefs: March 15, 2015)

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

Texas Takings Case: Procedural Rulings - Claims Dismissed (TWR #137, Water Briefs: July 15, 2015)

"California Climate & Science Data for Water Resources Management" Released by CDWR (TWR #137, Water Briefs: July 15, 2015)

Sustainable Water Use: Historic Purchase to Preserve Basin Integrity (TWR #140, Water Briefs: Oct. 15, 2015)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Measuring & Reporting in California: Diversion Regulations Adopted (TWR #144, Water Briefs: Feb. 15, 2016)

Texas Water Plan/Management Strategies: 2017 Plan Released (TWR #148, Water Briefs: June 15, 2016)

WATER MARKETS:

Flow Restoration in the Northwest: Columbia Basin Water Transactions by Andrew Purkey and Christopher Furey (TWR #2: April 15, 2004)

Pecos Basin Purchases - New Mexico Acquisition Program (TWR #5, Water Briefs: July 15, 2004)

Water Rights Donations and Federal Tax Law by Neal Stelting (TWR #7: Sept. 15, 2004)

Water Banks - Analysis of Western States (TWR #6, Water Briefs: Aug. 15, 2004)

[Water Purchases - California DWR Dry Year Program \(TWR #7, Water Briefs: Sept. 15, 2004\)](#)

[Klamath Update: Water Purchases, Storage Initiative, ESA Five-Year Review, FY 2005 Budget and BOR "Water Bank" \(TWR #7, Water Briefs: Sept. 15, 2004\)](#)

[Idaho Groundwater Settlement - Purchase of Surface Rights \(TWR #9, Water Briefs: Nov. 15, 2004\)](#)

[Water Marketing and Transfers in Texas by Ronald A. Kaiser \(TWR #10: Dec. 15, 2004\)](#)

[Law of the Rio Grande \(Report from the 6th Annual Conference\) by David Moon, Editor \(TWR #13: March 15, 2005\)](#)

[Leasing Water - Yakima Basin Drought Response \(TWR #14, Water Briefs: April 15, 2005\)](#)

[Water Use and Transfers - Systematic Planning Avoids Risks and Creates Opportunity by Douglas W. MacDougal \(TWR #16: June 15, 2005\)](#)

[Klamath Water Bank: USGS Report \(TWR #16, Water Briefs: June 15, 2005\)](#)

[Interstate Water Banking: Evolving Colorado River System Agreement by James H. Davenport \(TWR #17: July 15, 2005\)](#)

[Klamath Water Bank 2005 \(TWR #17, Water Briefs: July 15, 2005\)](#)

[Instream Flow: Irrigation Season Shortened to Create Flow \(TWR #24, Water Briefs: February 15, 2006\)](#)

[Condemnation Proposed: Municipal Water Rights in Washington \(TWR #25, Water Briefs: March 15, 2006\)](#)

[Condemnation Case in Washington Settled - Water Rights Transfer \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Aamodt Settlement in New Mexico Water Rights Adjudication \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Condemnation Case in Washington Settled - Water Rights Transfer \(TWR #27, Water Briefs: May 15, 2006\)](#)

[New Mexico Water Markets: Buying, Selling and Leasing Water Rights by John W. Shomaker and F. Lee Brown \(TWR #29: July 15, 2006\)](#)

[Municipal Water Rights in New Mexico: Various Approaches and Development Impacts by James Brockmann \(TWR #31; September 15, 2006\)](#)

[Phoenix Water Planning: Water Resources Plan - The 2005 Update by Tom Buschatzke \(TWR #32: October 15, 2006\)](#)

[Water Auction: Effluent Water Sale in Arizona \(TWR #32, Water Briefs: October 15, 2006\)](#)

[Strategic Water Reserve: First Acquisition in New Mexico \(TWR #33, Water Briefs: Nov. 15, 2006\)](#)

[Climate & Water Pricing: Climate Effects on Water Transaction Prices by B. G. Colby, J. Pullen, K. Pittenger, and L. Jones \(TWR #34: December 15, 2006\)](#)

[Water Privatization: Court Voids Stockton Contract \(TWR #34, Water Briefs: December 15, 2006\)](#)

[Untapping Tribal Waters: Tribal Water Marketing Expanding by Clay J. Landry and Christina Quinn \(TWR #35: January 15, 2007\)](#)

[Tribal Water Rights - Conference Covers Settlement, Commodification and Other Issues by Harold Shepherd \(TWR #35: January 15, 2007\)](#)

[Klamath Water Market & Study \(Bureau of Reclamation\) \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Bonneville Power Administration Land Acquisition With Tribal Ownership \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Santa Fe Water Resources and Policy: Evolving "Wet Growth Regulations" by Kyle Harwood \(TWR #36, February 15, 2007\)](#)

[Interstate Conflict: Oklahoma Water Sale Ban \(TWR #36, Water Briefs: February 15, 2007\)](#)

[Water Resources Cash Fund Created in Nebraska \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Groundwater in Texas: Marketability and Market Value by Bruce K. Darling \(TWR #41: July 15, 2007\)](#)

["Post-Appropriation" Water Management: Colorado's Water for the 21st Century Act by George Sibley \(TWR #42, August 15, 2007\)](#)

[Water Storage Purchase by State of Colorado for Fishing & Recreation \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Instream Flow Restoration: Cooperative, Free-Market Solutions in Oregon by Fritz Paulus \(TWR #43, Sept. 15, 2007\)](#)

[Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering \(TWR #43, Sept. 15, 2007\)](#)

[Western States Water Update: Western States Water Council Meets in Montana by David C. Moon \(TWR #44, Oct. 15, 2007\)](#)

[California Water Market: Metropolitan Water District Authorizes Water Rights Purchases \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Effluent Water Auction in Arizona \(\\$67 Million Sale\) \(TWR #46, Water Briefs: December 15, 2007\)](#)

[New Mexico Legislation Provides Flexibility to Purchase and Sever Water Rights from Land \(Pecos Compact\) \(TWR #49, Water Briefs: March 15, 2008\)](#)

[Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer \(TWR #50: April 15, 2008\)](#)

[California State Water Project Water Deliveries: Snowpack Normal But Deliveries Bottlenecked by Delta Smelt Order \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Water Quality Thermal Credit Trading: Methods for Quantifying Thermal Credits by Dupuis, Smesrud, Wirz & Primozich \(TWR #52: June 15, 2008\)](#)

[Anti-Speculation Article Response - Mesa Water LLP \(TWR #52: June 15, 2008\)](#)

[Idaho Water Law: Update from Coeur d'Alene Conference by David Moon \(TWR #52: June 15, 2008\)](#)

[Water Management Alternatives: Incorporating "New" Water Management Methods at a Watershed Scale by Cat Shrier \(TWR #56: October 15, 2008\)](#)

[Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell \(TWR #56: October 15, 2008\)](#)

[2009 Drought Water Bank in California: CDWR Facilitates Exchanges \(TWR #56, Water Briefs: October 15, 2008\)](#)

[Selling Water Rights by Live Auction: Solving the Pricing Dilemma by Paul Thomas \(TWR #57: November 15, 2008\)](#)

[Bureau of Reclamation Grants: "Water for America" Challenge \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Municipal & Instream Water Right Withdrawal Exchange in Washington \(TWR #57, Water Briefs: November 15, 2008\)](#)

Agricultural Water to Municipal Use: The Legal and Institutional Context for Voluntary Transactions in Arizona by Eden, Glennon, Ker, Libecap, Megdal & Shipman (TWR #58: December 15, 2008)

Interstate Water Ruling: Texas Water Users' Lawsuit Against Oklahoma to Continue (TWR #58, Water Briefs: December 15, 2008)

Pecos River Compact Compliance: New Mexico's Compliance Program Meets With Success by James C. Brockmann (TWR #61: March 15, 2009)

Water Marketing in Texas: Selling or Leasing of Groundwater and Surface Water Rights by Edmond R. McCarthy, Jr. (TWR #62: April 15, 2009)

Water Trust Merger: Oregon Trout and the Oregon Water Trust Become The Freshwater Trust (TWR #62, Water Briefs: April 15, 2009)

"Unquenchable: America's Water Crisis and What to Do About It" - Interview with Author Robert Glennon by David Moon, Editor (TWR #64: June 15, 2009)

Instream Flow Tax Credit Incentive Passed in Colorado (TWR #64, Water Briefs: June 15, 2009)

Pecos River Agreement Settlement: Conditions Met (TWR #65, Water Briefs: July 15, 2009)

The Colorado Water Trust: Western Water Trusts & the Colorado Experience by Amy W. Beatie (TWR #66: August 15, 2009)

Stream Restoration Market: Bonneville Environmental Foundation Issues Water Restoration Certificates (TWR #67, Water Briefs: Sept. 15, 2009)

Water Right Leases in California: Scott River Water Trust (TWR #69, Water Briefs: Nov. 15, 2009)

Klamath Settlement Agreements: Part II by Glen Spain (TWR #71: Jan. 15, 2010)

New Water Market Website for Washington Agency (Ecology) Programs (TWR #72, Water Briefs: Feb. 15, 2010)

Municipal Water Rights & the Growing Communities Doctrine: Development, Codification & Application by Christopher H. Meyer (TWR #73: March 15, 2010)

Municipal Water Desalination - Alamogordo: New Mexico's First Large-Scale Municipal Desalination Project by James C. Brockmann (TWR #75: May 15, 2010)

Northwest Water Marketing: Re-Allocating Water in the Pacific Northwest by Richard A. Slaughter (TWR #77: July 15, 2010)

Water Rights Retired in Nevada: Federal/State/Tribal Program (Newlands Project) (TWR #77, Water Briefs: July 15, 2010)

Water Restoration Certificates: Voluntary, Market-Based Flow Restoration by Todd Reeve & Rob Harmon (TWR #79, Sept. 15, 2010)

Water Purchase in Washington (\$14 Million): Municipal and Instream Uses (TWR #81, Water Briefs: Nov. 15, 2010)

Nebraska's Evolving Water Law: Challenges & Opportunities - Part II by Mary E. Kelly (TWR #82: Dec. 15, 2010)

Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde (TWR #83: Jan. 15, 2011)

Tribal Water Lease: Central Arizona Project Water to Municipality (Reclamation FONSI Issued) (TWR #83, Water Briefs: Jan. 15, 2011)

Water Utility Sale in Montana: Waiver of PSC Review Requested (TWR #85, Water Briefs: March 15, 2011)

[Water Right Purchases in Nebraska: Platte River Enhancement \(TWR #85, Water Briefs: March 15, 2011\)](#)

[Sustainable Water Use: Invisioning a Sustainable Water Future for the American West by Barton "Buzz" Thompson \(TWR #87: May 15, 2011\)](#)

[Anti-Speculation Decision in Colorado: Need & Speculative Sales \(TWR #87, Water Briefs: May 15, 2011\)](#)

[Water Sharing Strategies for Ag/Urban/Enviro in the West: Western States Council Report with CSU's Water Institute \(TWR #87, Water Briefs: May 15, 2011\)](#)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[Indian Water Settlements: Outlook for the 112th Congress and Beyond by Ryan A. Smith \(TWR #90: August 15, 2010\)](#)

[Water Utility Sale Proposed - Carlyle Group Purchase of Missoula's Water Company \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Environmental Markets: Using Environmental Markets to Expand the Pace and Scale of Restoration by Alan Horton and Marley Gaddis \(TWR #94: Dec. 15, 2011\)](#)

[Speculative Use or Regional Provider: Company Applies for Massive Water Right in Oregon by David Moon \(TWR #94: Dec. 15, 2011\)](#)

[Colorado River Basin Irrigation: The Future of Irrigation Organizations in the Colorado River Basin by Dr. Ron Griffin and Mary Kelly \(TWR #95: Jan. 15, 2012\)](#)

[Water Quality Markets - USDA Funding \(Proposal Request\) \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[Stream Adjudication in Oklahoma: Federal & State Litigation Heat Up \(TWR #97, Water Briefs: March 15, 2012\)](#)

[Municipal Water Resources & Regional Planning: The Prairie Waters Project - Aurora, Colorado by Lisa Darling \(TWR #98: April 15, 2012\)](#)

[Ski Area Water Rights: U.S. Forest Service Taking? \(TWR #98, Water Briefs: April 15, 2012\)](#)

["Oregon's Water Markets:" White Paper Released \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whychus Creek by Pamela Thalacker \(TWR #101: July 15, 2012\)](#)

[Local Land Use Decisions & Water Supply Considerations: New Rules from the Washington Supreme Court by Dave Monthie \(TWR #102: August 15, 2012\)](#)

[Northwest Water Banking: Meeting Instream and Out of Stream Water Needs in the Pacific Northwest by Cronin & Fowler \(TWR #102: August 15, 2012\)](#)

[Request for Water 2012: Pilot Leasing Program in Colorado \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Water Markets in the West: Prices Decrease Again \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi \(TWR #104: Oct. 15, 2012\)](#)

[Purchases of Reservoir Storage by Various Buyers in Colorado \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Las Vegas Groundwater Market - Rights Offered for Sale \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity \(TWR #106: Dec. 15, 2012\)](#)

[Water Transfers Report Released by the Western Governors \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Water Leasing Pilot Program Summary: The Colorado Water Trust's 2012 Leases \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Water Transfers in the West by Carlee Brown \(TWR #107: January 15, 2013\)](#)

[*California's Water Market, By the Numbers, Update 2012* \(TWR #107, Water Briefs: January 15, 2013\)](#)

[Hydraulic Fracturing & Water: Considering the Water Resources Impacts of Hydraulic Fracturing by Adam Orford \(TWR #110: April 15, 2013\)](#)

[Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre \(TWR #114: August 15, 2013\)](#)

[Water Purchase by State Agency in Washington for Mitigation \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Water Right Price Index Released by WestWater Research \(TWR #114, Water Briefs: August 15, 2013\)](#)

[Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde \(TWR #117, Nov. 15, 2013\)](#)

[Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon \(TWR #118, Dec. 15, 2013\)](#)

[Klamath Settlement "Agreement in Principle" Reached Between Klamath Tribes and "Off-Project" Irrigators \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Instream Transfers in California: Leasing Water to Enhance Environmental Flows \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol \(TWR #121: March 15, 2014\)](#)

[Klamath Agreement - Upper Klamath Basin Comprehensive Agreement Reached \(TWR #121, Water Briefs: March 15, 2014\)](#)

[Colorado's Water Plan by Jayla Ryan Poppleton \(TWR #123: May 15, 2014\)](#)

[Edwards Aquifer Habitat Conservation Plan: Resolution to Over 50 years of Water Dispute by Votteler and Gulley \(TWR #124: June 15, 2014\)](#)

[Tribal Water Leasing: Federal Tribal Land Leasing Laws Should Be Extended to Tribal Water Leases by Ryan A. Smith \(TWR #125: July 15, 2014\)](#)

[Las Vegas Water Rights Offer \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

[Shopping for Water: How the Market Can Mitigate Water Shortages in the American West - The Hamilton Project Paper \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey \(TWR #130: Dec. 15, 2014\)](#)

[Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin \(TWR #130: Dec. 15, 2014\)](#)

Benefit-Cost Analysis of the Yakima Basin Integrated Plan Projects (TWR #131: Water Briefs, Jan. 15, 2015)

Huge Instream Donation: Water Supply/Trust Program in Washington (TWR #132, Water Briefs: Feb. 15, 2015)

Water Purchases: Metropolitan Water District's Board Authorizes \$71 Million for Ag Water Transfers & Promotes Conservation (TWR #134, Water Briefs: April 15, 2015)

Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity (TWR #135: May 15, 2015)

Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder (TWR #135: May 15, 2015)

Authors' Responses: Yakima River Basin Integrated Plan (TWR #135: May 15, 2015)

California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem (TWR #135: May 15, 2015)

Urban Water Conservation in Southern California: Encouraging Conservation Through Tradeable Allocations & Market Mechanisms by Bond, Motlow, Steely, Wang & Libecap (TWR #136: June 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Colorado Water Markets: "Alternative Transfer Mechanisms" by P. Andrew Jones (TWR #138, August 15, 2015)

Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin (TWR #139, Sept. 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

Sustainable Water Use: Historic Purchase to Preserve Basin Integrity (TWR #140, Water Briefs: Oct. 15, 2015)

Water Rights Price Index 2014 Released by WestWater Research (TWR #140, Water Briefs: Oct. 15, 2015)

Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon (TWR #141: Nov. 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

Natural Resource Investment Center Established by Department of Interior (TWR #143, Water Briefs: Jan. 15, 2016)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

[Utah Navajo Water Rights Settlement Agreement Approved by Navajo Nation Council \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

[Water for Instream Flows: What Factors Influence the Expansion of Environmental Water Markets? by Bennett, Burns, Leon, Merz, Song & Libecap \(TWR #148: June 15, 2016\)](#)

[Tribal Water Lease in Idaho: Storage Rights to Mitigate for Groundwater Use \(TWR #148, Water Briefs: June 15, 2016\)](#)

[Recommendations for Improving Water Transfers and Access to Water Markets in California \(TWR #148, Water Briefs: June 15, 2016\)](#)

[WATER MASTERS \(see also FEDERAL WATER MASTER\):](#)

[Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz \(TWR #134: April 15, 2015\)](#)

[Truckee River Operating Agreement Begins: Interstate Allocations \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[WATER MEASUREMENT \(see also MEASUREMENT ISSUES\):](#)

[Well Metering: Groundwater Requirements in New Mexico \(TWR #23, Water Briefs: Jan. 15, 2006\)](#)

[Irrigation System Efficiency: Emerging Technologies by Mac McKee \(TWR #46: December 15, 2007\)](#)

[Water Use Measure Adopted in New Mexico: New Standardized Method \(TWR #65, Water Briefs: July 15, 2009\)](#)

[*Progress Toward Establishing a National Assessment of Water Availability and Use - Interior Water Census \(TWR #110, Water Briefs: April 15, 2013\)*](#)

[Setting Measurable Objectives to Achieve Sustainable Groundwater Management in California \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[WATER PLANS \(see also PLANNING\):](#)

- Final California Water Plan Update 2005 (TWR #24, Water Briefs: February 15, 2006)
- California Water Plan Update 2009 Comments Sought (TWR #48, Water Briefs: February 15, 2008)
- California Water Plan Workshops Scheduled (TWR #49, Water Briefs: March 15, 2008)
- Water Planning in New Mexico: \$100,000 EPA Grant to EPA to New Mexico Environment Department (TWR #75, Water Briefs: May 15, 2010)
- Water Planning in Oregon: "Recommended Actions" Proposed for Comment (TWR #90, Water Briefs: August 15, 2011)
- California Water Plan Update 2013 Draft Volume Released: The Strategic Plan - Volume 1 (TWR #116, Water Briefs: Oct. 15, 2013)
- California Water Action Plan Released (TWR #120, Water Briefs: Feb. 15, 2014)
- Arizona's "Strategic Vision for Water Supply Sustainability" (TWR #121, Water Briefs: March 15, 2014)
- Colorado's Water Plan by Jayla Ryan Poppleton (TWR #123: May 15, 2014)
- Wyoming Water Plan - Comment Period (TWR #125, Water Briefs: July 15, 2014)
- Colorado Water Plan Draft Released (TWR #132, Water Briefs: Feb. 15, 2015)
- Wyoming's Water Strategy: State Water Planning (TWR #133, Water Briefs: March 15, 2015)
- Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board (TWR #136: June 15, 2015)
- Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager (TWR #137: July 15, 2015)
- Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)
- Water Plan Released in Colorado: Water Supply Strategies (TWR #142, Water Briefs: Dec. 15, 2015)
- Instream Flow Pilot Study in Oklahoma (TWR #143, Water Briefs: Jan. 15, 2016)
- Nevada Drought Forum Recommendations Report Released (TWR #143, Water Briefs: Jan. 15, 2016)
- Texas Water Plan/Management Strategies: 2017 Plan Released (TWR #148, Water Briefs: June 15, 2016)

[WATER POLICY:](#)

- California Water Policy Challenge by Imagine H2O - Water Innovation Contest (TWR #139, Water Briefs: Sept. 15, 2015)

[WATER PRIZE:](#)

- Water Consciousness Challenge: The New Arizona Prize to be Awarded (TWR #129: Water Briefs, Nov. 15, 2014)

[California Water Policy Challenge by Imagine H2O - Water Innovation Contest \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[WATER PURIFICATION BENEFITS:](#)

[Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer \(TWR #142: Dec. 15, 2015\)](#)

[WATER QUALITY \(see also CLEAN WATER ACT & STORMWATER\):](#)

[Oregon Water Quality Standards Approved by EPA \(TWR #1, Water Briefs: March 15, 2004\)](#)

[Alaska Water Quality Standards Approved \(TWR #1, Water Briefs: March 15, 2004\)](#)

[Arsenic Removal for Drinking Water - EPA \(TWR #1, Water Briefs: March 15, 2004\)](#)

[Oregon Water Quality Standards: National Model for Fisheries by Mary Lou Souscia \(TWR #2: April 15, 2004\)](#)

[TMDL Temperatures Study in Washington \(TWR #2, Water Briefs: April 15, 2004\)](#)

[Coalbed Methane Extraction: Newfound Impacts and Water Quality Mitigation by Tom Darin \(TWR #3: May 15, 2004\)](#)

[Groundwater Contamination: PCE - Arizona DEQ Superfund Site \(TWR #5, Water Briefs: July 15, 2004\)](#)

[Pesticide Buffers \(No Spray Stream Buffers\) - 9th Circuit Appeal \(TWR #5, Water Briefs: July 15, 2004\)](#)

[Fish Farm Wastewater - New EPA Regulations \(TWR #5, Water Briefs: July 15, 2004\)](#)

[Water Quality Standards: 9th Circuit Holding on Dam Operations \(TWR #8, Water Briefs: Oct. 15, 2004\)](#)

[Aquifer Storage Recovery: Expanding Possibilities in the Western United States by Cat Shrier \(TWR #8: Oct. 15, 2004\)](#)

[Basin-Wide TMDL Development: Impacts on NPDES Permits by Suzanne C. Lacampagne and Jason B. Joner \(TWR #9: Nov. 15, 2004\)](#)

[Northwest Water Quality Data Exchange: Access to Regional Information On-line by Janet Gillaspie \(TWR #9: Nov. 15, 2004\)](#)

[California Waterways Data Website \(TWR #9, Water Briefs: Nov. 15, 2004\)](#)

[EPA Withdrawal of Clean Water Act Pollution Detection Procedures \(TWR #9, Water Briefs: Nov. 15, 2004\)](#)

[EPA Enforcement Summary 2004 \(TWR #10, Water Briefs: Dec. 15, 2004\)](#)

[EPA Water Quality Training Handbook \(TWR #10, Water Briefs: Dec. 15, 2004\)](#)

[Lavaca Bay Settlement: Alcoa Agreement in Texas \(TWR #11, Water Briefs: Jan. 15, 2005\)](#)

[TMDL Water Quality Plan for the Upper Eel River \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Water Quality Database \(EPA\) - \(TWR #13, Water Briefs: March 15, 2005\)](#)

[Perchlorate - EPA Reference Dose \(TWR #13, Water Briefs: March 15, 2005\)](#)

[Upper Columbia River Contamination: Transboundary Application of CERCLA by Du Bey, Ulick Rosenthal & Clark \(TWR #15: May 15, 2005\)](#)

[Stormwater Holding on Municipal Permits \(TWR #15, Water Briefs: May 15, 2005\)](#)

[Sewage Settlement: \\$187 Million Consent Degree \(TWR #16, Water Briefs: June 15, 2005\)](#)

[EPA & MTBE: Petitions Rejected \(TWR #16, Water Briefs: June 15, 2005\)](#)

[Regulating Urban Runoff: Stormwater Issues by Paul N. Singarella \(TWR #17: July 15, 2005\)](#)

[Nonpoint Sources - Arizona Grants \(TWR #18, Water Briefs: August 15, 2005\)](#)

[Wastewater Treatment - EPA Penalty for Municipality \(TWR #18, Water Briefs: August 15, 2005\)](#)

[State NPDES Authority: NPDES Program Vacated in Arizona \(TWR #19, Water Briefs, September 15, 2005\)](#)

[Groundwater Contamination Superfund Settlement \(California\) \(TWR #19, Water Briefs, September 15, 2005\)](#)

[Pretreatment Rule for Wastewater Discharges \(TWR #20, Water Briefs: October 15, 2005\)](#)

[Dam Removal Proposal: FERC and Sediment Impact and Water Quality \(TWR #21, Water Briefs: Nov. 15, 2005\)](#)

[Nonpoint Pollution: EPA Guidance on Stormwater \(TWR #23, Water Briefs: Jan. 15, 2006\)](#)

[Pulp Mill Pollution Violations: Former Officers/Directors Pay Settlement \(TWR #23, Water Briefs: Jan. 15, 2006\)](#)

[Water Quality and Temperature Trading: Regulatory Innovation in the Tualatin Basin by Bruce Cordon \(TWR #24: February 15, 2006\)](#)

[Water Quality Litigation: Oregon's "State-of-the-Art" Water Quality Standards Challenge by Richard M. Glick \(TWR #24: February 15, 2006\)](#)

[Water Quality and Logging: California Water Agency Authority Upheld \(TWR #24, Water Briefs: February 15, 2006\)](#)

[Stream Contamination Diagnostic Tool \(EPA\): Causal Analysis/Diagnosis Decision Information System \(TWR #24, Water Briefs: February 15, 2006\)](#)

[CWA & ESA Intersections - Water Quality & ESA Section 7: Northwest Examples by Melanie J. Rowland \(TWR #25: March 15, 2006\)](#)

[Montana - Wyoming Water Fight Brewing? \(TWR #4, Water Briefs: June 15, 2004\)](#)

[Interstate Conflict - Oklahoma Water Quality Actions \(TWR #27, Water Briefs: May 15, 2006\)](#)

[State Authority & Hydropower: Supreme Court Affirms State Authority \(*S.D. Warren v. Maine*\) by Richard M. Glick \(TWR #28, June 15, 2006\)](#)

[Mixing Zones - An Overview of Some Western States by Gregg Bryden \(TWR #28, June 15, 2006\)](#)

[Bay Area Water Rights: Water Quality & Minimum Flows in California \(TWR #28, Water Briefs, June 15, 2006\)](#)

[Federal CAFO Rules: Proposed NPDES Revisions by EPA \(TWR #29, Water Briefs: July 15, 2006\)](#)

[Wastewater Discharge Permits: Pollutant Trading Allowed for Discharge \(TWR #29, Water Briefs, July 15, 2006\)](#)

[Mercury Contamination: A West Coast Perspective by Katherine Futornick, Gary Bigham, and Betsy Henry \(TWR #31; September 15, 2006\)](#)

[Hydroelectric Relicensing Decision: Skokomish Case Limits FERC Authority by David Moon \(TWR #31; September 15, 2006\)](#)

[Tribal Water Quality: Program Case Studies \(TWR #31, Water Briefs: Sept. 15, 2006\)](#)

[Municipal Wastewater Violations in Idaho - EPA Settlement \(TWR #31, Water Briefs: Sept. 15, 2006\)](#)

[Stormwater Violations: Developers Fined in Idaho \(TWR #31, Water Briefs: Sept. 15, 2006\)](#)

[Washington Stormwater Regulation: State General Industrial Stormwater Permits At Issue by James Tupper \(TWR #32: October 15, 2006\)](#)

[Analysis of Mercury in Water and Sediment by James Ateer, Betsy Henry, Kathi Futornick, Gary Bigham \(TWR #32: October 15, 2006\)](#)

[Agricultural Drainage Water: \\$17.5 Million in Grants Awarded in California \(TWR #33, Water Briefs: Nov. 15, 2006\)](#)

[Water Quality Credit Trading Markets: Model Program Under USDA/EPA Partnership \(TWR #33, Water Briefs: Nov. 15, 2006\)](#)

[National Forest Activities: Gold Mining Decision Has Wide Implications by David Moon \(TWR #34: December 15, 2006\)](#)

[Groundwater Contamination: Superfund Cleanup Costs Settlement \(TWR #34, Water Briefs: December 15, 2006\)](#)

[National Forest Activities: Gold Mining Decision Has Wide Implications by David Moon \(TWR #34: December 15, 2006\)](#)

[Wetland Mitigation: Evaluating Clean Water Act Projects in California \(TWR #34, Water Briefs: December 15, 2006\)](#)

[Dairy Water Quality: Management & Technology Publication \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Water Quality Data Warehouse: USGS Program for Data and Mapping \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Puget Sound Initiative in Washington: Proposals & Cleanup \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Wetland Nutrients: Draft EPA Water Quality Standards Guidance \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs \(TWR #36, February 15, 2007\)](#)

[Mercury Study of Rivers in West Released \(EPA & OSU\) \(TWR #36, Water Briefs: February 15, 2007\)](#)

[Transfer of Water Rights Standard: "No Injury Rule" and Water Quality Impacts \(TWR #37, Water Briefs: March 15, 2007\)](#)

[Municipal Wastewater: Phosphorus Reduction & Permits \(TWR #37, Water Briefs: March 15, 2007\)](#)

[USGS Mississippi River Report: Streamflows and Nutrient Delivery \(TWR #38, Water Briefs: April 15, 2007\)](#)

[Mercury Reduction Programs: Overview of Several Western States by Katherine Futornick and Gary Bigham \(TWR #39: May 15, 2007\)](#)

[Wood Waste & Water: Washington State's New Wood Waste Cleanup Push by Thiele, Steding & Hermann \(TWR #39: May 15, 2007\)](#)

[Water Quality Modeling Tool: EPA Releases New Version \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Mine Tailings Discharge Violation Issued in Arizona \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Nutrient Numeric Endpoints: Not Quite Ready for Prime Time? by Jeremy N. Jungreis and Scott Thomas \(TWR #42: August 15, 2007\)](#)

[Studies Find Persistent Toxics in Water \(Washington\) \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Anti-Degradation Rule in New Mexico: Amendments for Restoration \(TWR #42, Water Briefs: August 15, 2007\)](#)

[Response to "Nutrient Numeric Endpoints: Not Quite Ready for Prime Time?" \(Jungreis & Thomas, TWR #42\) by Dr. Jonathan Butcher and Cynthia Gorham-Test \(TWR #43, Sept. 15, 2007\)](#)

[Toxic Discharges from Dams: Clean Water Act & Nuisance Lawsuits \(Klamath River\) \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Watershed-Based NPDES Permitting Technical Guidance Issued by EPA \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Pipeline Releases Ammonia: Criminal CWA Penalty of \\$1 Million \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Water Quality Trading Toolkit Released by EPA \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Western States Water Update: Western States Water Council Meets in Montana by David C. Moon \(TWR #44, Oct. 15, 2007\)](#)

[New Perchlorate Rule in California: Maximum Contaminant Level \(TWR #44, Water Briefs: Oct. 15, 2007\)](#)

[Contaminated Sediments Update: Conference Links Law, Science & Public Policy by Heather Brunelle and Cindy Ryals \(TWR #45, Nov. 15, 2007\)](#)

[Water Quality Standards & Hydropower Dams: Finding Concrete Solutions by Rebecca Sherman, Brett Swift and Rick Eichstaedt \(TWR #45, Nov. 15, 2007\)](#)

[Coalbed Methane: Montana's Anti-Degradation & Numeric Standards \(TWR #45, Water Briefs: Nov. 15, 2007\)](#)

[Wastewater Treatment-Benefits of Moving Beyond Minimum Reqmts.: King County's Brightwater Project by Hummel \(TWR #46: December 15, 2007\)](#)

[Errata/Addition: Hydropower & Water Quality Article \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Interstate Water Quality Litigation: Surface and Groundwater Contamination Alleged \(OK/AR\) \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Hydropower and Fish - Northwest Challenge: Keeping Fish and Clean Hydro by F. Lorraine Bodi and Dulcy Mahar \(TWR #47: January 15, 2008\)](#)

[Transboundary Water Quality: Supreme Court Denies Canadian Petition \(TWR #48, Water Briefs: February 15, 2008\)](#)

[State Coalbed Methane Standards: EPA Approves Montana Standards - Interstate Dispute Affected by David C. Moon \(TWR #49: March 15, 2008\)](#)

[Willamette River Basin Fish Restoration - "Stepping Stones": Supporting Prioritized Restoration and Investment in Multiple Ecosystem Services by David W. Hulse & Stanley V. Gregory \(TWR #49: March 15, 2008\)](#)

[Home Depot Settles Stormwater Case for \\$1.3 Million \(TWR #49, Water Briefs: March 15, 2008\)](#)

[Water Quality Section 401 Certification: Avista Dams and FERC Relicensing \(TWR #50, Water Briefs: April 15, 2008\)](#)

[ADEQ Drinking Water Fine for TCE Contamination and Water Quality Violations \(TWR #50, Water Briefs: April 15, 2008\)](#)

[EPA Reversal on 303\(d\) Listing: Klamath River Decision \(TWR #50, Water Briefs: April 15, 2008\)](#)

Water Reuse Planning - Graphical Tools to Clarify Decisions: A Water Reuse Case Study by John Scott Thomas (TWR #51: May 15, 2008)

Water Quality Thermal Credit Trading: Methods for Quantifying Thermal Credits by Dupuis, Smesrud, Wirz & Primozich (TWR #52: June 15, 2008)

Water Quality Data: Real-Time Info on USGS Websites (TWR #52, Water Briefs: June 15, 2008)

Water Quality Standards Settlement in Oregon: Toxics & ESA Protection (TWR #52, Water Briefs: June 15, 2008)

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Phytotreatment of Stormwater: Phytotreatment Findings Betoken a Promising Future by MacDonald, Dods, Futornick & Ferro (TWR #53: July 15, 2008)

Mississippi River Nutrients: Gulf Dead Zone (TWR #53, Water Briefs: July 15, 2008)

Coalbed Methane Water Case Dismissed and Appealed in Wyoming (TWR #53, Water Briefs: July 15, 2008)

Water Quality Ruling on Authority of California & FERC - Klamath Dams (TWR #53, Water Briefs: July 15, 2008)

FERC Water Quality Permit (401 Certification) for Spokane River (TWR #53, Water Briefs: July 15, 2008)

Pharmaceuticals & Water Quality: EPA Information Collection Request (TWR #54, Water Briefs: August 15, 2008)

Stream Analysis Survey: EPA Grant for Texas Commission on Environmental Quality (TWR #54, Water Briefs: August 15, 2008)

Storm Water Regulation Update: Rough Waters In California by Wendy L. Manley (TWR #55: September 15, 2008)

Tribes & Effluent Snowmaking Case: Religious Claims Rejected - "Substantial Burden" Key Requirement by David Moon (TWR #55: September 15, 2008)

Leaded Wheel Weights Phase-Out: Lawsuit Settlement Under Safe Drinking Water Act (TWR #55, Water Briefs: September 15, 2008)

Aquifer Protection Permits Announced for Mining in Arizona: Groundwater Quality Protection (TWR #55, Water Briefs: September 15, 2008)

Shoshone Bannocks Tribes Obtain "Treatment as State" Approval Under Clean Water Act (TWR #55, Water Briefs: September 15, 2008)

Kansas' Revised State Water Quality Standards Approved by EPA (TWR #55, Water Briefs: September 15, 2008)

Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell (TWR #56: October 15, 2008)

California Environmental Enforcement: NRDC Report on Oversight (TWR #57, Water Briefs: November 15, 2008)

Interstate Water Ruling: Texas Water Users' Lawsuit Against Oklahoma to Continue (TWR #58, Water Briefs: December 15, 2008)

NOAA Biological Opinion on Pesticides: Salmon Jeopardy (TWR #58, Water Briefs: December 15, 2008)

Groundwater Replenishment & Water Reuse: Orange County California's Water Purification and Reuse Project by Michael R. Markus (TWR #59: Jan. 15, 2009)

California Water Supply: Challenges and Solutions by Dr. Cat Shrier (TWR #59: Jan. 15, 2009)

- Dams & Temperature MOU Addresses Spokane River Hydro Issues for Washington, Idaho and Coeur d'Alene Tribe (TWR #60, Water Briefs: Feb. 15, 2009)
- Impaired Water List: EPA Decision on Nebraska's List (TWR #61, Water Briefs: March 15, 2009)
- Water Quality Data: Monitoring & Assessment Recommendations in California (TWR #61, Water Briefs: March 15, 2009)
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- Coalbed Ammonia: Powder River Pollution (TWR #63, Water Briefs: May 15, 2009)
- Methylmercury Study: Seafood Contamination and Long-Range Ocean Transport (TWR #63, Water Briefs: May 15, 2009)
- Mercury Advisory: Fish Consumption Limits in Arizona (TWR #63, Water Briefs: May 15, 2009)
- Wetlands: US/Mexico Joint Treatment Project (TWR #63, Water Briefs: May 15, 2009)
- Pesticides BiOp Issued by NMFS: Impacts on Salmon (TWR #63, Water Briefs: May 15, 2009)
- Water Treatment Supervisor Pleads Guilty to Falsifying Reports (TWR #63, Water Briefs: May 15, 2009)
- Aquifer Storage Recovery & EPA's Underground Injection Control Program-EPA's "ASR Experts" Report by Shrier (TWR #64: June 15, 2009)
- "Unquenchable: America's Water Crisis and What to Do About It"* - Interview with Author Robert Glennon by David Moon, Editor (TWR #64: June 15, 2009)
- Water Transfers & the CWA: 11th Circuit Upholds EPA Interpretation of CWA as Exempting Water Transfers from NPDES Requirements by Sensiba & Carbonell (TWR #65: July 15, 2009)
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- High Plains Aquifer (Ogallala) - USGS Water Quality Study (TWR #67, Water Briefs: Sept. 15, 2009)
- Utilities Receive EPA Awards in South Dakota: Nonpoint Source Program & Safe Drinking Water (TWR #67, Water Briefs: Sept. 15, 2009)
- Power Plant Discharge: EPA Revising Wastewater Rules (TWR #68, Water Briefs: Oct. 15, 2009)

[Guide to Water Quality in Montana Released \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Produced Water & Regulatory Structure: Colorado Struggles with Coalbed Methane Jurisdiction & Control by Michelle Henrie \(TWR #69: Nov. 15, 2009\)](#)

[Ambient Water Quality Criteria for Ammonia - Freshwater: EPA Draft Update \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Medicines Take-Back: Denver METRO Disposal Program \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt \(TWR #72: Feb. 15, 2010\)](#)

[New Era of Interbasin Water Transfers by Barbara Cosens \(TWR #72: Feb. 15, 2010\)](#)

[Reclaimed Water Management: Using Vadose Zone Recharge Wells - The Arizona Experience by Floyd L. Marsh and Gary G. Small \(TWR #74, April 15, 2010\)](#)

[Municipal Water Desalination - Alamogordo: New Mexico's First Large-Scale Municipal Desalination Project by James C. Brockmann \(TWR #75: May 15, 2010\)](#)

[Washington Stormwater Regulation: New Industrial Stormwater General Permit by Jeff Kray \(TWR #75: May 15, 2010\)](#)

[Clean Water Act Enforcement: ADEQ Consent Judgment with ASARCO \(Tailings Discharge\) \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Toxics Inventories: EPA Proposed Toxics Release Inventory Expansion \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Stormwater Permit Compliance: New Washington State Industrial Permit Poses Challenges by Neil Alongi \(TWR #76: June 15, 2010\)](#)

[EPA Proposes New Permit Requirements for Pesticide Discharges \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Delta Smelt Decline: New Study Blames Nutrient Pollution \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Groundwater Study Released: USGS Contamination Study of Source Water \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Draft Columbia River Toxics Reduction Action Plan: Comments Sought \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Sanitary Sewer Overflows: EPA Rulemaking \(TWR #76, Water Briefs: June 15, 2010\)](#)

[CAFO Violations: EPA Enforcement Actions in the Midwest \(TWR #76, Water Briefs: June 15, 2010\)](#)

[Coalbed Methane Produced Groundwater: A Survey of Western Water Law Regulation by Sarah A. Klahn & Jack Tuholske \(TWR #77: July 15, 2010\)](#)

[Hydraulic Fracturing Impacts: EPA Study Released - Public Meetings \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Drinking Water Rules: Total Coliform - EPA Update \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Dishwater Detergent: Low-Phosphate Detergents Phase-In in Washington \(Other States Copying\) \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Water Quality Standards Revision: EPA Listening Sessions August 24 & 26 \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Phosphorus Water Quality Standard Adopted in Wisconsin \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

Phosphorus Removal: Boise Proposes Innovative Offset Project (TWR #79, Water Briefs: Sept. 15, 2010)

Hydraulic Fracturing: The Road to EPA's New "Fracking" Study by Adam Orford (TWR #80: Oct. 15, 2010)

Water Resources & Environment - Legislative Update from Washington, D.C.: Conversations with Ryan C. Seiger, Staff Director for the US House Subcommittee on Water Resources and Environment by Joan Card (TWR #80: Oct. 15, 2010)

Coastal Logging: Water Quality Lawsuit Impacts State Logging Practices - Enforceable Nonpoint Limits to be Established (TWR #80, Water Briefs: Oct. 15, 2010)

Cleanup Agreement: Tribal Lands Uranium Contamination (TWR #80, Water Briefs: Oct. 15, 2010)

Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak (TWR #81: November 15, 2010)

Fracking Chemicals: EPA Impact Study (Halliburton Issued Subpoena) (TWR #81, Water Briefs: Nov. 15, 2010)

Nutrient Assessment of Streams & Groundwater: USGS Study (TWR #81, Water Briefs: Nov. 15, 2010)

Headwater Protection in New Mexico - Wilderness Areas Rule Adopted by Water Quality Control Commission (TWR #82, Water Briefs: Dec. 15, 2010)

Drinking Water Contamination From Fracking in Texas: EPA Order (TWR #83, Water Briefs: Jan. 15, 2011)

Dairy Pollution Discharge Permit Denied in New Mexico: History of Noncompliance Causes Rejection (TWR #83, Water Briefs: Jan. 15, 2011)

Water Quality Permits Information Access: Oregon DEQ Launches Water Quality Electronic Document Repository by Daniel Hermosillo (TWR #84: Feb. 15, 2011)

Toxics & Drinking Water: Perchlorate Regulation Announced by EPA (TWR #84, Water Briefs: Feb. 15, 2011)

Industrial Waste & Wastewater: EPA Issues Civil Penalty to Food Processing Company in Kansas (TWR #84, Water Briefs: Feb. 15, 2011)

Hydraulic Fracturing & Drinking Water: EPA's Plan to Study Impacts of Hydraulic Fracturing - Debate Intensifies by Orford (TWR #85: March 15, 2011)

Water Contaminants Information Tool Available from EPA (TWR #85, Water Briefs: March 15, 2011)

Aquifer Cleanup in New Mexico: County & City System Required (PCE Contamination) (TWR #85, Water Briefs: March 15, 2011)

Wastewater Innovation: Reuse & Energy System Honored in Hawaii (TWR #85, Water Briefs: March 15, 2011)

Dissolved Metals in Stormwater: Biotic Ligand Model - New Treatment Paradigm (Obtaining Environmental Protection With New Technology & Defensible Standards by Wisdom & Bucich (TWR #86: April 15, 2011)

CWA Integrated Reporting Memorandum for 2012 Reporting Cycle (Water Quality Reports) (TWR #86, Water Briefs: April 15, 2011)

Clean Water Act Enforcement - EPA Updates Data & Mapping Webtool (TWR #86, Water Briefs: April 15, 2011)

Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates (TWR #88: June 15, 2011)

Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie (TWR #89: July 15, 2011)

Enforcement Report (2010) for State Water Resources Control Board of California Released (TWR #89, Water Briefs: July 15, 2011)

Indian Water Settlements: Outlook for the 112th Congress and Beyond by Ryan A. Smith (TWR #90: August 15, 2010)

Hydraulic Fracturing Debate: The Long and Winding Road Towards Regulation by Bruce Baizel (TWR #90: August 15, 2010)

Nitrogen & Phosphorus Pollution (Numeric Water Quality Criteria): EPA Website Enhanced (TWR #90, Water Briefs: August 15, 2011)

Water Resources Regulation & Development: Groundwater, Floodplains, and "Waters of the United States" by Robert D. Anderson (TWR #91: Sept. 15, 2011)

Tribal Interests, Instream Flows & Hydropower Licensing: Using the Licensing Process to Address Tribal Concerns by Mason Morisset (TWR #92: Oct. 15, 2011)

Pharmaceuticals in Drinking Water: General Accountability Office Report Released (TWR #92, Water Briefs: Oct. 15, 2011)

Trichloroethylene (TCE) Health Assessment Released - Integrated Risk Information System Database (TWR #92, Water Briefs: Oct. 15, 2011)

Water Supply: Drought Response Initiatives in Texas (TWR #94, Water Briefs: Dec. 15, 2011)

Water Assessment - EPA Biological Assessment Document on Water Quality Management (TWR #94, Water Briefs: Dec. 15, 2011)

Urban Water Quality: New EPA Planning Process - Prioritized Approach (TWR #94, Water Briefs: Dec. 15, 2011)

CAL/EPA 2010 Enforcement Report Released in California (TWR #95, Water Briefs: Jan. 15, 2012)

Thermal Trading: Oregon Approves Regional Thermal Credit Program for Temperature Standards (TWR #95, Water Briefs: Jan. 15, 2012)

Low Impact Stormwater Retrofit: Port Converts Standard Bioswale to Bioretention to Meet Water Quality Goals by Kim Slack (TWR #96: Feb. 15, 2012)

Discharge Monitoring Report (DMR) Pollutant Loading Tool: EPA Online Tool (TWR #96, Water Briefs: Feb. 15, 2012)

Toxics Release Inventory (TRI) - 2010 Northwest Analysis Released (TWR #96, Water Briefs: Feb. 15, 2012)

Water Quality Markets - USDA Funding (Proposal Request) (TWR #96, Water Briefs: Feb. 15, 2012)

Draft 2010 Status of Water Quality in Arizona 305(b) Assessment and 303(d) Listing Report - Public Comments (TWR #96, Water Briefs: Feb. 15, 2012)

Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey (TWR #97: March 15, 2012)

Industrial Stormwater Permitting: Status and Trends in Western States by Gregg Bryden (TWR #98: April 15, 2012)

Oregon Temperature Water Quality Standards Upheld (Sort Of) by Richard M. Glick (TWR #98: April 15, 2012)

"Identifying and Protecting Healthy Watersheds: Concepts, Assessments, and Management Approaches" (EPA Guidance) (TWR #98, Water Briefs: April 15, 2012)

[Watershed Restoration Success: Nonpoint Sources Addressed - EPA Section 319 Program \(TWR #99, Water Briefs: May 15, 2012\)](#)

[USGS & EPA Launch Online Portal for Water Quality Information \(TWR #99, Water Briefs: May 15, 2012\)](#)

[Blackfeet Tribe Granted Authority to Administer CWA Water Quality Standards Program \(TWR #100, Water Briefs: June 15, 2012\)](#)

[Contaminants in Wastewater Effluent & Stormwater Runoff - Columbia River Basin: USGS Study \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Inland Empire Groundwater: USGS Groundwater Quality Study - Nitrates & Perchlorates \(TWR #102, Water Briefs: August 15, 2012\)](#)

[Water Quality Trading-"In It Together: A How-To Reference for Building Point-Nonpoint Water Quality Trading Programs by Cochran, Maness & Lindley \(TWR #103: Sept. 15, 2012\)](#)

[The ESA & Water: Litigation Update - The ESA as Driver of Water Quality & Water Quantity by Quasius & Laschever \(TWR #103: Sept. 15, 2012\)](#)

[Fish Consumption Rate: Public Invited to Comment on Dept. of Ecology's Technical Support Document \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[Compliance Assistance - Small Community Program with Arizona DEQ \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[Transboundary Pollution Case Continues - Agreement Conceding Liability Reached Just Before Trial \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[*Water and Climate in the Pacific Northwest* White Paper \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[WaterSMART Update \(TWR #105: Nov. 15, 2012\)](#)

[Oil & Gas Lease Buyout in the Hoback - Wyoming: Trust for Public Land Purchases Private Leases \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[Interstate Compact Litigation Between Oklahoma & Texas: U.S. Solicitor General Files Opinion \(TWR #106, Water Briefs: Dec. 15, 2012\)](#)

[Pipeline Spill & Water Quality Violations: ADEQ Enforcement for Silver Bell Mining \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[Vessel Spill: Washington's Dept. of Ecology Enforcement Agreement With Trident Seafoods Corp. \(TWR #108, Water Briefs: Feb. 15, 2013\)](#)

[2008-2009 National Rivers and Stream Assessment - EPA Stream Survey \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Mining Bill Vetoed by Governor in Montana: Groundwater & Surface Water Impacts Cited \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Water Quality Assessment Map Announced in Utah: Tool for Beneficial Uses and Water Quality Conditions \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Utah DWQ Issues Notice of Violation & Compliance Order Requesting Chevron Report on Diesel Spill \(TWR #111, Water Briefs: May 15, 2013\)](#)

[EPA Proposing to Amend Effluent Limitations Guidelines & Standards for Steam Electric Power Generating \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Water Quality Trading: An Update on Lawsuits and Legal Challenges by Teresa Jacobs and Priscilla Hampton \(TWR #112: June 15, 2013\)](#)

[Nutrient Trading & Water Quality by Susan Parker Bodine \(TWR #113: July 15, 2013\)](#)

[Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre \(TWR #114: August 15, 2013\)](#)

Ecological Health in the Nation's Streams, 1993-2005 Released by USGS (TWR #114, Water Briefs: August 15, 2013)

Oregon's Temperature Criteria Standards Rejected by EPA (TWR #114, Water Briefs: August 15, 2013)

Economic Benefits of Nutrient Reductions: An Analysis of Benefits to Utah Waters (TWR #116: Oct. 15, 2013)

"Waters of the US" - Clean Water Act Jurisdiction Rule: Connectivity of Streams & Wetlands Report Released (TWR #116, Water Briefs: Oct. 15, 2013)

Columbia River Treaty Review: Update & Next Steps (From the US Entity) - Special to The Water Report (TWR #117, Nov. 15, 2013)

Natural Infrastructure: Investing in Forested Landscapes for Source Water Protection in the United States (TWR #117, Water Briefs: Nov. 15, 2013)

Oil & Gas Searchable Database of State Law: Created by Getches-Wilkinson Center & Temple University (TWR #119, Water Briefs: Jan. 15, 2014)

TMDLs: Long-Term Vision for Assessment, Restoration, and Protection Under CWA Section 303(d) (TWR #119, Water Briefs: Jan. 15, 2014)

Oregon's Coastal Nonpoint Pollution Control Program - EPA & NOAA Disapproval Process Begins (TWR #119, Water Briefs: Jan. 15, 2014)

Supreme Court Stormwater Ruling: *Los Angeles Flood Control District v. NRDC* - A Strange and Meandering Case by Christopher Rich (TWR #120: Feb. 15, 2014)

An Assessment of Potential Mining Impacts on Salmon Ecosystems of Bristol Bay, Alaska: EPA Report (TWR #120, Water Briefs: Feb. 15, 2014)

Clean Water Act Enforcement: Oil Spill Fines & Restitution in Wyoming - Criminal Charges Pending (TWR #120, Water Briefs: Feb. 15, 2014)

EPA Enforcement & Compliance Report Issued for 2013 (TWR #120, Water Briefs: Feb. 15, 2014)

TMDL Report - GAO Recommends Changes: Nonpoint Source Regulation Included (TWR #120, Water Briefs: Feb. 15, 2014)

Riparian Restoration in Wyoming: Coordinated Resource Management - Livestock Grazing Practices (TWR #121, Water Briefs: March 15, 2014)

Nutrient Pollution - EPA Research Grants (TWR #121, Water Briefs: March 15, 2014)

Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber (TWR #122: April 15, 2014)

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

Fish Consumption Rates: Idaho DEQ Implementing Statewide Survey for Water Quality Criteria (TWR #123, Water Briefs: May 15, 2014)

EPA Released Enhanced Version of "How's My Waterway" App & Website (TWR #123, Water Briefs: May 15, 2014)

Human Health Water Quality Criteria Updated by EPA (TWR #124, Water Briefs: June 15, 2014)

Stormwater Fine in Oregon: Economic Benefit Penalty (TWR #125, Water Briefs: July 15, 2014)

Salt Content in Streams - USGS Study (TWR #125, Water Briefs: July 15, 2014)

Water Quality Standards & Fish Consumption: Efforts in the Pacific Northwest by Michael Campbell (TWR #126: August 15, 2014)

[Managed Aquifer Recharge: An Overview of Laws Affecting Aquifer Recharge in Several Western States by Evan Mortimer \(TWR #127: Sept. 15, 2014\)](#)

[Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols \(TWR #128, Oct. 15, 2014\)](#)

[Pesticide Use & Water Quality: Implementing Concurrent CWA & FIFRA Regulations \(Congressional Research Service\) by Claudia Copeland \(TWR #128, Oct. 15, 2014\)](#)

[Fish Consumption Rate: Water Quality Standards Proposed in Washington State \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Marijuana & Water Use: Illegal Farms Impact Coho Salmon in Northern California & Southern Oregon \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Managed Aquifer Recharge - Part II: Legal Issues in the Western US by Mortimer & Tuthill \(TWR #129: Nov. 15, 2014\)](#)

[Duwamish Cleanup: Superfund Final Plan in Seattle Waterway \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Restoration Funding: 2015 Five Star/Urban Waters Restoration Program \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Intergovernmental Panel on Climate Change \(IPCC\) 5th Synthesis Report \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Water Utilities Training & Technical Assistance From EPA - Climate Change Resilience & Readiness \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

[Speculation & Fracking: Transfer/Change Request Opposed in New Mexico \(TWR #131: Water Briefs, Jan. 15, 2015\)](#)

[Recreational Criteria for Water Quality Standards: Overview & Technical Support by EPA \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Fish Consumption Rule & Toxics Standards Proposal for Washington \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt \(TWR #134: April 15, 2015\)](#)

[The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon \(TWR #134: April 15, 2015\)](#)

[Phosphorus Removal: EPA Case Study of Watershed Approach by Municipalities \(TWR #134, Water Briefs: April 15, 2015\)](#)

[State of Salmon in Watersheds Report & Interactive Website in Washington State \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Algal Toxins: EPA Issues Health Advisory Values \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley \(TWR #137: July 15, 2015\)](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[The Pope Talks On Water: Pope Francis' Encyclical on "The Issue of Water" \(TWR #137, Water Briefs: July 15, 2015\)](#)

[“Hydraulic Fracturing Water Use Variability in the United States and Potential Environmental Implications” - USGS \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Tribal Wastewater - Water Pollution Facility & Settlement Over CWA Violations by Tribal Utility \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheaume \(TWR #139, Sept. 15, 2015\)](#)

[Insecticides Study: USGS on Neonicotinoids and Impacts on Bees \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Fish Consumption Rate in Washington: EPA Proposes Human Health Criteria Rule \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Green Infrastructure: EPA Launches Green Infrastructure Wizard" \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Delta Stormwater Settlement: Toxic Discharges Suit Under ESA & Clean Water Act \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Steam Electric Plants Toxic Pollutants Discharges: Rule Finalized by EPA \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer \(TWR #141: Nov. 15, 2015\)](#)

[EPA's “Managing Water Quality in the Face of Uncertainty” Report & “Addressing Climate Change in the Water Sector” Website \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Fish Consumption Rule Drafted by Washington's Ecology: State v. Federal Clean Water Act Rules \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Forest Roads: EPA Considers Stormwater Discharge Requirements \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Treated Stormwater Used for Irrigation in Florida \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Stormwater Policy in California: New Strategy Considered \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons \(TWR #143: January 15, 2016\)](#)

[Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug \(TWR #143: January 15, 2016\)](#)

[Microbeads Banned in US By Federal Legislation \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Santa Monica Bay: 2015 State of the Bay Report Released \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Finding “New Water” in California: Seminar Review & Commentary by Jungreis and Van Ligten \(TWR #144: Feb. 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[Tribal Groundwater Case: Water Districts' Equitable Defenses Denied \(TWR #145, Water Briefs: March 15, 2016\)](#)

[Suction Dredging Moratorium Upheld in Oregon \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Wastewater Effluent Spill by Private Ski Area in Montana's West Gallatin River \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Nevada's 303\(d\) List Show Progress on Impaired Waterways \(TWR #146, Water Briefs: April 15, 2016\)](#)

[2015 Highlights of Progress: Responses to Climate Change Released by EPA's National Water Program \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Water Quality Monitoring Report Released by Izaak Walton League of America: Haphazard & Limited \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Water Quality Standards Development: EPA Recommendations for Priority Actions for States & Tribes \(TWR #146, Water Briefs: April 15, 2016\)](#)

[SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Water Quality Criteria & the Biotic Ligand Model: Proposed Updates to Statewide Copper Water Quality Criteria in Oregon by Dishman & Heimbucher \(TWR #148: June 15, 2016\)](#)

[Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield \(TWR #148: June 15, 2016\)](#)

[WATER QUALITY DETERMINATION \(Section 401\):](#)

[Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons \(TWR #143: January 15, 2016\)](#)

[WATER QUALITY TRADING:](#)

[Water Quality and Temperature Trading: Regulatory Innovation in the Tualatin Basin by Bruce Cordon \(TWR #24: February 15, 2006\)](#)

[Wastewater Discharge Permits: Pollutant Trading Allowed for Discharge \(TWR #29, Water Briefs, July 15, 2006\)](#)

[Water Quality Credit Trading Markets: Model Program Under USDA/EPA Partnership \(TWR #33, Water Briefs: Nov. 15, 2006\)](#)

[Instream Flow Restoration: Cooperative, Free-Market Solutions in Oregon by Fritz Paulus \(TWR #43, Sept. 15, 2007\)](#)

[Water Quality Trading Toolkit Released by EPA \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Willamette River Basin Fish Restoration - "Stepping Stones": Supporting Prioritized Restoration and Investment in Multiple Ecosystem Services by Hulse & Gregory \(TWR #49: March 15, 2008\)](#)

[Water Quality Thermal Credit Trading: Methods for Quantifying Thermal Credits by Dupuis, Smesrud, Wirz & Primozich \(TWR #52: June 15, 2008\)](#)

[Ecomarket Approaches to Addressing Water Quality Obligations: Legal Overview and the Hells Canyon Test Case by Glick & Nocar \(TWR #63: May 15, 2009\)](#)

[Aquifer Storage & Recovery: Advantages, Challenges, Applications & Approaches for Expanding ASR in the West by Burt and Barry \(TWR #91: Sept. 15, 2011\)](#)

[Climate Change & San Francisco Bay Watershed: Watershed Impacts for the Coming Century-Edited/Condensed from: James Cloern \(TWR #94: Dec. 15, 2011\)](#)

[Environmental Markets: Using Environmental Markets to Expand the Pace and Scale of Restoration by Alan Horton and Marley Gaddis \(TWR #94: Dec. 15, 2011\)](#)

Dec. 15, 2011)

Thermal Trading: Oregon Approves Regional Thermal Credit Program for Temperature Standards (TWR #95, Water Briefs: Jan. 15, 2012)

Ben Grumbles & The U.S. Alliance: Interview by Tom Lindley (TWR #104: Oct. 15, 2012)

Lawsuit Challenges All Water Quality Trading - Comments by Tom Lindley (TWR #105: Nov. 15, 2012)

Water Quality Trading: An Update on Lawsuits and Legal Challenges by Teresa Jacobs and Priscilla Hampton (TWR #112: June 15, 2013)

Nutrient Trading & Water Quality by Susan Parker Bodine (TWR #113: July 15, 2013)

Joint Regional Agreement on Best Practices for Water Quality Trading in Idaho, Oregon and Washington (TWR #113, Water Briefs: July 15, 2013)

Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)

Water Quality Trading: USDA - EPA Partnership Expanded (TWR #118, Water Briefs: Dec. 15, 2013)

Case Studies of Water Quality Trading (WQT) Being Used for Compliance with Nutrient NPDES Permit Limits (TWR #120, Water Briefs: Feb. 15, 2014)

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

Water Quality Trading: States' Pilot Projects and Recommendations (TWR #127, Water Briefs: Sept. 15, 2014)

WATER - POWER:

Water & Power: Reclamation Science & Technology Development Projects (TWR #141, Water Briefs: Nov. 15, 2015)

WATER-RELATED DISEASES:

The Pope Talks On Water: Pope Francis' Encyclical on "The Issue of Water" (TWR #137, Water Briefs: July 15, 2015)

WATER RESERVATIONS:

Instream Flows Decision in Washington: Protection from Impairment - Reserved Use Rule (Reservation) Invalid by David Moon (TWR #116: Oct. 15, 2013)

Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon (TWR #141: Nov. 15, 2015)

WATER RESOURCE ISSUES:

[Water Resource Issues in the 114th Congress-Congressional Research Service Report \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Strategy to Optimize Resource Management of Storm Water in California \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Stormwater Policy in California: New Strategy Considered \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[WATER RESOURCE MANAGEMENT PLANS:](#)

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

[WATER RESOURCE RECOVERY FACILITY:](#)

[EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley \(TWR #140: Oct. 15, 2015\)](#)

[Energy-Positive Water Resource Recovery Workshop Report \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Stormwater Policy in California: New Strategy Considered \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[WATER-RIGHT REGISTERS:](#)

[Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young \(TWR #144: Feb. 15, 2016\)](#)

[WATER RIGHTS:](#)

[Water Rights Adjudication in Montana: Chief Judge C. Bruce Loble Interview \(TWR #2: April 15, 2004\)](#)

[Columbia River Withdrawals NAS Study - Washington \(TWR #2, Water Briefs: April 15, 2004\)](#)

[Montana - Wyoming Water Fight Brewing? \(TWR #4, Water Briefs: June 15, 2004\)](#)

[Montana-Wyoming Talk Continue: Yellowstone Compact Discussions \(TWR #5, Water Briefs: July 15, 2004\)](#)

[Montana/Wyoming Update: Yellowstone River Compact \(TWR #6, Water Briefs: Aug. 15, 2004\)](#)

[Navajo Water Rights Settlement \(TWR #6, Water Briefs: Aug. 15, 2004\)](#)

[Navajo Settlement Motions Denied - Negotiations Continue \(TWR #7, Water Briefs: Sept. 15, 2004\)](#)

[Snake River Adjudication - Wild & Scenic Water Rights Settled \(TWR #7, Water Briefs: Sept. 15, 2004\)](#)

[Columbia River Initiative - Washington Program for New Rights and Mitigation \(TWR #9, Water Briefs: Nov. 15, 2004\)](#)

[Surface Water Rules - New Mexico \(TWR #9, Water Briefs: Nov. 15, 2004\)](#)

[Conjunctive Administration on the Eastern Snake River Plain by Phillip J. Rassier \(TWR #10: Dec. 15, 2004\)](#)

[Ground Water Right Transfers in the Snake River Plain, Idaho by Johnson, Harris, Contor and Cosgrove \(TWR #10: Dec. 15, 2004\)](#)

[Colorado McCarran Amendment Ruling by David C. Moon \(TWR #10: Dec. 15, 2004\)](#)

[Arizona Water Settlement Approved by Congress \(TWR #10, Water Briefs: Dec. 15, 2004\)](#)

[Montana Water Law Update by David C. Moon \(TWR #11: Jan. 15, 2005\)](#)

[Columbia River Mainstem Program Announced by Washington Governor \(TWR #11, Water Briefs: Jan. 15, 2005\)](#)

[Surface Water Users "Call" on Groundwater Rights in Idaho \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Colorado Water Law Decision \(TWR #12, Water Briefs: Feb. 15, 2005\)](#)

[Law of the Rio Grande \(Report from the 6th Annual Conference\) by David Moon, Editor \(TWR #13: March 15, 2005\)](#)

[Groundwater Holding: Nebraska Conjunctive Use \(TWR #13, Water Briefs: March 15, 2005\)](#)

[Idaho Conjunctive Use Order by David C. Moon \(TWR #15: May 15, 2005\)](#)

[Rio Grande Water Regulation: "Active Water Resource Management" \(AWRM\) by David C. Moon \(TWR #15: May 15, 2005\)](#)

[Columbia River Water Management Plan: Emphasizing Water Storage and Conservation by David C. Moon \(TWR #25: March 15, 2006\)](#)

[Aamodt Settlement in New Mexico Water Rights Adjudication \(TWR #27, Water Briefs: May 15, 2006\)](#)

[Condemnation Case in Washington Settled - Water Rights Transfer \(TWR #27, Water Briefs: May 15, 2006\)](#)

[USFWS and Tribes Grants Announced: Fish & Wildlife Conservation \(TWR #28, Water Briefs, June 15, 2006\)](#)

[New Mexico Water Markets: Buying, Selling and Leasing Water Rights by John W. Shomaker and F. Lee Brown \(TWR #29: July 15, 2006\)](#)

[Colorado Whitewater Courses and Water Rights by Kenneth W. Knox \(TWR #30: August 15, 2006\)](#)

[Rights-of-Way Across Federal Lands: Easement Decision by 9th Circuit by David C. Moon \(TWR #30: August 15, 2006\)](#)

[Municipal Water Rights in New Mexico: Various Approaches and Development Impacts by James Brockmann \(TWR #31; September 15, 2006\)](#)

[Quantifying Instream Flow Needs by Tom Annear \(TWR #31; September 15, 2006\)](#)

[Climate & Water Pricing: Climate Effects on Water Transaction Prices by B. G. Colby, J. Pullen, K. Pittenger, and L. Jones \(TWR #34: December 15, 2006\)](#)

[Ground Water and Surface Water Regulation: Colorado Decision \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Colorado and Western Water Law: A Continuing Alchemy by Justice Greg Hobbs \(TWR #36, February 15, 2007\)](#)

[Interstate Compact Lawsuit: *Montana v. Wyoming* \(TWR #36, Water Briefs: February 15, 2007\)](#)

[California Water Rights Fees: Regulations Overturned by Kristin Castaños \(TWR #38: April 15, 2007\)](#)

[Groundwater Rights in Nevada: State Engineer Approval of SNWA Applications \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Blackfeet Water Rights Compact: Montana Compact Commission Approval \(TWR #39, Water Briefs: May 15, 2007\)](#)

[Water Management Rules Upheld in New Mexico \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Groundwater Regulations: Idaho DWR Orders Curtailment \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering \(TWR #43, Sept. 15, 2007\)](#)

[Coalbed Methane: Water Right Permits Required in Colorado \(TWR #43, Water Briefs: Sept. 15, 2007\)](#)

[Municipal Water Law: Washington's Landmark Law Faces Challenges by Jeff B. Kray \(TWR #44, Oct. 15, 2007\)](#)

[Western States Water Update: Western States Water Council Meets in Montana by David C. Moon \(TWR #44, Oct. 15, 2007\)](#)

[Groundwater Account in Kansas: Flexible Term Permits \(TWR #44, Water Briefs: Oct. 15, 2007\)](#)

[Tribal Groundwater Rights: Lummi Nation Settlement in Washington \(TWR #46, Water Briefs: December 15, 2007\)](#)

[New Western Water Agenda: Opportunities for Action in an Era of Growth and Climate Change by MacDonnell & Fort \(TWR #48: Feb. 15, 2008\)](#)

[Conjunctive Use - Idaho Decision on "Call" of Water \(TWR #48, Water Briefs: February 15, 2008\)](#)

[Texas Water Law: An Update on Recent Legislation and Case Law by Deborah Clarke Trejo and Tina Alvarado Arnold \(TWR #49: March 15, 2008\)](#)

[Anti-Speculation and Water Law: Ghost-Busting, Trust-Busting, or Ensuring Beneficial Use? by Sandra Zellmer \(TWR #50: April 15, 2008\)](#)

["Takings" Appeal: Ownership of Water Rights Issues Certified to Oregon Supreme Court \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Water Quality Thermal Credit Trading: Methods for Quantifying Thermal Credits by Dupuis, Smesrud, Wirz & Primozich \(TWR #52: June 15, 2008\)](#)

[Idaho Water Law: Update from Coeur d'Alene Conference by David Moon \(TWR #52: June 15, 2008\)](#)

[Washington State's Municipal Water Law: Landmark Law Partially Invalidated in Trial Court Decision by Jeff B. Kray \(TWR #53: July 15, 2008\)](#)

[Water Rights Ownership Decision: Trust Relationship Between Irrigation Districts and Water Users by David C. Moon \(TWR #54, August 15, 2008\)](#)

[Aquifer Recharge and Storage: Ongoing Implementation Concerns by Peter G. Scott \(TWR #54, August 15, 2008\)](#)

[Rainwater Permit Rules in Washington \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Domestic Wells in New Mexico: Senior Water Rights Protected in Court Decision \(TWR #54, Water Briefs: August 15, 2008\)](#)

Montana v. Wyoming: U.S. Supreme Court to Hear Yellowstone Compact Case by Karen Budd-Falen (TWR #57: November 15, 2008)

Selling Water Rights by Live Auction: Solving the Pricing Dilemma by Paul Thomas (TWR #57: November 15, 2008)

Water Legislation Options Identified in California: California Legislative Analyst's Office (LAO) Report (TWR #57, Water Briefs: November 15, 2008)

Agricultural Water to Municipal Use: The Legal and Institutional Context for Voluntary Transactions in Arizona by Eden, Glennon, Ker, Libecap, Megdal & Shipman (TWR #58: December 15, 2008)

Interstate Water Ruling: Texas Water Users' Lawsuit Against Oklahoma to Continue (TWR #58, Water Briefs: December 15, 2008)

Landowner's Guide to Washington Water Rights Released by Washington Rivers Conservancy (TWR #59, Water Briefs: Jan. 15, 2009)

Habitat Protection & Water Rights: Balancing Stream Habitat with New Water Rights Issuance - Washington State's Watershed Management Program by Andrew Graham (TWR #60: Feb. 15, 2009)

Pecos River Compact Compliance: New Mexico's Compliance Program Meets With Success by James C. Brockmann (TWR #61: March 15, 2009)

World's Major Rivers: An Introduction to International Water Law With Case Studies Book Released (TWR #62, Water Briefs: April 15, 2009)

Idaho Power Water Settlement: Swan Falls Agreement Reaffirmed (TWR #62, Water Briefs: April 15, 2009)

Lake Roosevelt Incremental Storage Release Project - Draft EA Released by Reclamation (TWR #62, Water Briefs: April 15, 2009)

Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro (TWR #63: May 15, 2009)

Coalbed Methane Decision: "Beneficial Use" and Well Permit Required - Ranchers' Senior Water Rights Protected by David Moon (TWR #63: May 15, 2009)

New Water Laws in New Mexico: Water Management and State Engineer's Authority (TWR #63, Water Briefs: May 15, 2009)

Ground Water & Surface Water Conjunctive Management - Delivery Call Litigation in Idaho: Ground Water Users' Perspective by Budge (TWR #64: June 15, 2009)

"Unquenchable: America's Water Crisis and What to Do About It" - Interview with Author Robert Glennon by David Moon, Editor (TWR #64: June 15, 2009)

Yellowstone River Compact: *Montana v. Wyoming*-Special Master Rules on Water Rights Issues & Denies Motion to Dismiss by Moon (TWR #65: July 15, 2009)

Pecos River Agreement Settlement: Conditions Met (TWR #65, Water Briefs: July 15, 2009)

Rainwater Collection in Colorado: New Laws Allow Pilot Project (TWR #65, Water Briefs: July 15, 2009)

Instream Water Right Transfer - Dam Removal & Power Right (TWR #67, Water Briefs: Sept. 15, 2009)

Reclamation Found Liable - Breach of Contract and "Takings" Decision (TWR #68, Water Briefs: Oct. 15, 2009)

Exempt Wells: Washington Attorney General's Opinion Issued (TWR #68, Water Briefs: Oct. 15, 2009)

[Interbasin Transfers: Groundwater Rights Vacated by Court in Nevada \(TWR #69, Water Briefs: Nov. 15, 2009\)](#)

[Well Augmentation: Conjunctive Use Decision in Colorado \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[Lawsuit Challenging Water Right Negotiations in the Klamath Basin Filed by David Moon \(TWR #71: Jan. 15, 2010\)](#)

[Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt \(TWR #72: Feb. 15, 2010\)](#)

[New Era of Interbasin Water Transfers by Barbara Cosens \(TWR #72: Feb. 15, 2010\)](#)

[Water Rights: Las Vegas Water Applications in Jeopardy Following Nevada Supreme Court Ruling \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Municipal Water Rights & the Growing Communities Doctrine: Development, Codification & Application by Christopher H. Meyer \(TWR #73: March 15, 2010\)](#)

[Area of Origin Reclamation Lawsuit \(TWR #73, Water Briefs: March 15, 2010\)](#)

["Conservation" Right in Kansas: Beneficial Use Definition \(Protection for Instream Flow\) \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Electronic Water Rights Information Management System \(Database\) in California \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Klamath "Takings" - Ownership of Water Rights & the Bureau of Reclamation by David Moon \(TWR #74, April 15, 2010\)](#)

[TCEQ Endangered Species Act Suit in Texas: Freshwater Inflows to Refuge \(TWR #74, Water Briefs: April 15, 2010\)](#)

[Exempt Wells Hearing in Montana: Water Right Appropriation Rules \(TWR #74, Water Briefs: April 15, 2010\)](#)

[Nevada Water Rights Upheaval: State Engineer Seeking Input \(TWR #74, Water Briefs: April 15, 2010\)](#)

[Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill \(TWR #76: June 15, 2010\)](#)

[Kansas v. Nebraska: Interstate Compact Enforcement \(TWR #76, Water Briefs: June 15, 2010\)](#)

[California Water Regulation: Farm Bureau Challenges State Fish & Game Department Authority by Joseph M. Carpenter \(TWR #77: July 15, 2010\)](#)

[Water Ruling Reversed: New Nevada Supreme Court Decision \(TWR #77, Water Briefs: July 15, 2010\)](#)

[Water Rights & Grazing Activities on BLM Land: Decision Overturns Bush Administration Regulations \(TWR #79, Water Briefs: Sept. 15, 2010\)](#)

[Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde \(TWR #83: Jan. 15, 2011\)](#)

[State Survey of Domestic Preference Law by Steven E. Clyde \(TWR #83: Jan. 15, 2011\)](#)

[Nevada Water Law Publication Released \(TWR #83, Water Briefs: Jan. 15, 2011\)](#)

[Water Right Fees - Supreme Court Decision in California \(TWR #84, Water Briefs: Feb. 15, 2011\)](#)

[Sustainable Water Use: Invisioning a Sustainable Water Future for the American West by Barton "Buzz" Thompson \(TWR #87: May 15, 2011\)](#)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[Ag to Urban Transfer: No Injury Rule & Historical Use \(Colorado Decision\) \(TWR #88, Water Briefs: June 15, 2011\)](#)

[Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie \(TWR #89: July 15, 2011\)](#)

[Fully Appropriated: Nebraska Supreme Court Decision Impacts Surface & Groundwater Regulation \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Water Reuse in the West: State Programs and Institutional Issues: Report by Western States Water Council \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Water Rights & Regulatory Authority Issues: Chickasaw & Choctaw Nations File Lawsuit Opposing Water Transfer by David Moon \(TWR #91: Sept. 15, 2011\)](#)

[Water Utility Sale Proposed - Carlyle Group Purchase of Missoula's Water Company \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Water Reuse in the West - Institutional Restraints \(Western States Water Council Report\) by Nathan Bracken \(TWR #93: Nov. 15, 2011\)](#)

[Oregon Water Law Treatise on Water Rights & Water Law Released \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[Rotational Agreement Held Not a Change in Water Rights by Colorado Supreme Court \(TWR #95, Water Briefs: Jan. 15, 2012\)](#)

[Secret Society - Shadow Government Alleged in California \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Western States' Water Planning: The Best Laid Plans - Water Planning in Uncertain Times by Janet Neuman \(TWR #99: May 15, 2012\)](#)

[Water Rights Forum - Subject Matter Jurisdiction Decision in Nevada \(TWR #101, Water Briefs: July 15, 2012\)](#)

[The ESA & Water: Litigation Update - The ESA as Driver of Water Quality & Water Quantity by Quasius & Laschever \(TWR #103: Sept. 15, 2012\)](#)

[Stockpond/Reservoir Permits: Enforcement Effort by the California Water Resources Board \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[Water Markets in the West: Prices Decrease Again \(TWR #103, Water Briefs: Sept. 15, 2012\)](#)

[*Improving Water Right Enforcement Authority*, California Bay-Delta Watermaster Report \(TWR #104, Water Briefs: Oct. 15, 2012\)](#)

[Interview of Scott A. Verhines, New Mexico State Engineer - Interviewed by Michelle Henrie \(TWR #105: Nov. 15, 2012\)](#)

[Adverse Possession & Beneficial Use in Colorado by David Moon, Editor \(TWR #108: Feb. 15, 2013\)](#)

[North Platte Regulation to Protect Storage Rights in Wyoming: Priority Administration in Effect \(TWR #109, Water Briefs: March 15, 2013\)](#)

[Hydraulic Fracturing & Water: Considering the Water Resources Impacts of Hydraulic Fracturing by Adam Orford \(TWR #110: April 15, 2013\)](#)

[The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor \(TWR #110: April 15, 2013\)](#)

[Texas ESA Decision on Whooping Crane Protection Draws Rebuttals: TCEQ & Texas Farm Bureau Weigh In \(TWR #110, Water Briefs: April 15, 2013\)](#)

["Takings" Claim Denied in *Casitas* Case: Beneficial Use & Injury Alleged \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Snake Valley Water Agreement Rejected by Utah Governor \(Nevada & Utah Agreement\) \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Water "Call" Agreement in Colorado - Senior Rights "Relaxed" to Allow Storage \(TWR #111, Water Briefs: May 15, 2013\)](#)

[California Water Rights Atlas Unveiled by Resource Renewal Institute \(TWR #111, Water Briefs: May 15, 2013\)](#)

[Klamath Adjudication - The Judicial Phase Begins: New Era in Oregon's Contentious Water History by MacDougal, Orford & Timmons \(TWR #113: July 15, 2013\)](#)

[Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre \(TWR #114: August 15, 2013\)](#)

[Water Rights Determination: Agency Authority in Enforcement Actions in California \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde \(TWR #117, Nov. 15, 2013\)](#)

[Water Rights Manual for Mutual Domestic Water Consumers Associations Announced in New Mexico \(TWR #118, Water Briefs: Dec. 15, 2013\)](#)

[Las Vegas Water Rights Decision - Judge Overturns State Engineer Approvals by David Moon \(TWR #119: Jan. 15, 2014\)](#)

[Climate Change & Public Trust Doctrine - Climate Change, Public Trust Doctrines & *PPL Montana* by Robin Kundis Craig \(TWR #120: Feb. 15, 2014\)](#)

[Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol \(TWR #121: March 15, 2014\)](#)

[Klamath Agreement - Upper Klamath Basin Comprehensive Agreement Reached \(TWR #121, Water Briefs: March 15, 2014\)](#)

[Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber \(TWR #122: April 15, 2014\)](#)

[Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge \(TWR #123: May 15, 2014\)](#)

[Tribal Water Leasing: Federal Tribal Land Leasing Laws Should Be Extended to Tribal Water Leases by Ryan A. Smith \(TWR #125: July 15, 2014\)](#)

[Las Vegas Water Rights Offer \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Water Rights Study in California: State Over Allocation - Overhaul Proposed \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

[Marijuana & Water Use: Illegal Farms Impact Coho Salmon in Northern California & Southern Oregon \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Groups Appeal Water Rights Decision for Nuclear Reactor Project \(Speculation, Availability & Stream Environment\) \(TWR #128, Water Briefs, Oct. 15, 2014\)](#)

[Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen \(TWR #129: Nov. 15, 2014\)](#)

[Water in the West Course: Colorado River Case Study \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson \(TWR #132: Feb. 15, 2015\)](#)

[Montana Water Rights Adjudication: Notable Decisions & Challenges by Chief Water Judge Russ McElyea and Water Master Madeleine Weisz \(TWR #134: April 15, 2015\)](#)

[California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem \(TWR #135: May 15, 2015\)](#)

Small Scale Hydropower & Ditch Easements: Colorado Decision Applies “No Injury Rule” and Maximum Use by David Moon (TWR #136: June 15, 2015)

Beneficial Use & Anti-Speculation: Can These Water Law Principles Meet the Challenges of Climate Change? by Justice Gregory Hobbs, Jr. (TWR #137: July 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

Agency Enforcement - Drought Measures in California (TWR #140, Water Briefs: Oct. 15, 2015)

The Argument for the Prior Appropriation Doctrine to Allocate Water in the Western U.S. (TWR #140, Water Briefs: Oct. 15, 2015)

Alaska Instream Water Applications Decision: “Public Interest” and the “Most Beneficial Use” by Moon (TWR #141: Nov. 15, 2015)

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from “Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States” by Mike Young (TWR #144: Feb. 15, 2016)

Utah Navajo Water Rights Settlement Agreement Approved by Navajo Nation Council (TWR #144, Water Briefs: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne (TWR #146: April 15, 2016)

Drought Enforcement in California - Dismissals Proposed Due to Failure to Prove Water Not Available (TWR #148, Water Briefs: June 15, 2016)

WATER SECURITY:

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

WaterSense:

WaterSense 2013 Report Released (TWR #125, Water Briefs: July 15, 2014)

EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA's Office of Science & Technology - Conducted by Jakob Wiley (TWR #140: Oct. 15, 2015)

WATER SHARING:

Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson (TWR #142: Dec. 15, 2015)

WATERSHEDS or WATERSHED MANAGEMENT (see also PLANNING):

Watershed Assessments: The Upper Klamath Basin Process by Mike Connelly, and Jennifer Miller (TWR #8: Oct. 15, 2004)

Watershed Protection: EPA Webcast (TWR #17, Water Briefs: July 15, 2005)

Washington Water Regulation: New Department of Ecology Director Jay Manning, Interview by David C. Moon (TWR #23, Jan. 15, 2006)

Watershed Planning: EPA Handbook Released (TWR #23, Water Briefs: Jan. 15, 2006)

Final California Water Plan Update 2005 (TWR #24, Water Briefs: February 15, 2006)

Watershed Grants by EPA (TWR #31, Water Briefs: Sept. 15, 2006)

Watershed Planning: EPA Web-Based Tool (TWR #39, Water Briefs: May 15, 2007)

"Post-Appropriation" Water Management: Colorado's Water for the 21st Century Act by George Sibley (TWR #42, August 15, 2007)

Watershed-Based NPDES Permitting Technical Guidance Issued by EPA (TWR #43, Water Briefs: Sept. 15, 2007)

Nutrient Numeric Endpoint Development (Brief Reply to Response of Dr. Jonathan Butcher and Ms. Cynthia Gorham Test) by Jungreis & Thomas (TWR #45, Nov. 15, 2007)

Irrigation System Efficiency: Emerging Technologies by Mac McKee (TWR #46: December 15, 2007)

Watershed Planning in the Wenatchee River Basin: Ecology Adopts Rules on Instream Flows & Water Management (TWR #47, Water Briefs: January 15, 2008)

New Western Water Agenda: Opportunities for Action in an Era of Growth and Climate Change by MacDonnell & Fort (TWR #48: February 15, 2008)

Groundwater Conservation Guide Released (TWR #48, Water Briefs: February 15, 2008)

Forest Service Legacy Roads: New Remediation Initiative Renews Focus by Mary Scurlock and Gina Ottoboni (TWR #50: April 15, 2008)

Wetlands Compensatory Mitigation Rule Released by Corps of Engineers (Unavoidable Impacts) (TWR #50, Water Briefs: April 15, 2008)

Portland's Stormwater Marketplace by Dan Vizzini (TWR #55: September 15, 2008)

Water Management Alternatives: Incorporating "New" Water Management Methods at a Watershed Scale by Cat Shrier (TWR #56: October 15,

2008)

Municipal & Instream Water Right Withdrawal Exchange in Washington (TWR #57, Water Briefs: November 15, 2008)

Habitat Protection & Water Rights: Balancing Stream Habitat with New Water Rights Issuance-Washington State's Watershed Management Program by Graham (TWR #60: Feb. 15, 2009)

Ecomarket Approaches to Addressing Water Quality Obligations: Legal Overview and the Hells Canyon Test Case by Glick & Nocar (TWR #63: May 15, 2009)

Watershed Central: EPA Website Launched (TWR #64, Water Briefs: June 15, 2009)

Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith (TWR #69: Nov. 15, 2009)

Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt (TWR #72: Feb. 15, 2010)

Aquifer Storage & Recovery; New Federal Initiatives - EPA to Develop Guidance by Dr. Cat Shrier (TWR #74, April 15, 2010)

Water Planning in New Mexico: \$100,000 EPA Grant to EPA to New Mexico Environment Department (TWR #75, Water Briefs: May 15, 2010)

Watershed Needs: EPA Releases 2008 Survey (TWR #77, Water Briefs: July 15, 2010)

Municipal Stormwater Management: The New Normal - Stormwater Management & Watershed Restoration in Portland, Oregon by Vizzini & Nelson (TWR #84: Feb. 15, 2011)

Federal Stormwater Rulemaking: Association of State & Interstate Water Pollution Control Administrators Comments (TWR #84: Feb. 15, 2011)

Watershed Funding: Wick Grants Available (TWR #86, Water Briefs: April 15, 2011)

Sustainable Water Use: Invisioning a Sustainable Water Future for the American West by Barton "Buzz" Thompson (TWR #87: May 15, 2011)

Water Sharing Strategies for Ag/Urban/Enviro in the West: Western States Council Report with CSU's Water Institute (TWR #87, Water Briefs: May 15, 2011)

Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates (TWR #88: June 15, 2011)

Reclamation's WaterSMART Program: Working to Meet Future Water & Energy Demands by Avra Morgan (TWR #92: Oct. 15, 2011)

Gulf Coast Restoration: EPA Ecosystem Strategy Released (TWR #92, Water Briefs: Oct. 15, 2011)

Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey (TWR #97: March 15, 2012)

"Identifying and Protecting Healthy Watersheds: Concepts, Assessments, and Management Approaches" (EPA Guidance) (TWR #98, Water Briefs: April 15, 2012)

Western States' Water Planning: The Best Laid Plans - Water Planning in Uncertain Times by Janet Neuman (TWR #99: May 15, 2012)

The Washington Stormwater Center: Stormwater Assistance by John D. Stark, Ph.D. and Tanyalee Erwin (TWR #99: May 15, 2012)

Watershed Restoration Success: Nonpoint Sources Addressed - EPA Section 319 Program (TWR #99, Water Briefs: May 15, 2012)

Northwest Water Banking: Meeting Instream and Out of Stream Water Needs in the Pacific Northwest by Cronin & Fowler (TWR #102: August 15, 2012)

Nonpoint Source Pollution: Restoration Success in Texas Using Voluntary BMPs (TWR #103, Water Briefs: Sept. 15, 2012)

State of Our Watersheds - Northwest Indian Fisheries Commission Report Released (TWR #104, Water Briefs: Oct. 15, 2012)

Stormwater Regulation & Management: Overview of Current Trends by Hardebeck, Holloway, Monsey, Heibrun & Chase (TWR #108: Feb. 15, 2013)

California Small MS4s Regulation: State Adopts New Stormwater Regulations & Expands Program by Wendy Manley (TWR #109: March 15, 2013)

Cooperative Watershed Management Program (WaterSMART): Reclamation Funding - Applications Sought (TWR #111, Water Briefs: May 15, 2013)

Nutrient Trading & Water Quality by Susan Parker Bodine (TWR #113: July 15, 2013)

California's Freshwater Nutrient Numeric Endpoint (NNE) Approach: Re-evaluating the Santa Margarita River Case Study by Thomas, Gindlesperger & Barnard (TWR #115: Sept. 15, 2013)

Columbia River Treaty Review: Update & Next Steps (From the US Entity) - Special to The Water Report (TWR #117, Nov. 15, 2013)

Cumulative Watershed Impacts of Small-Scale Hydroelectric Projects in Irrigation Delivery Systems: A Case Study (TWR #117, Water Briefs: Nov. 15, 2013)

Watershed Modeling - Climate Change & Urban Development Study Released by EPA (TWR #117, Water Briefs: Nov. 15, 2013)

California Water Action Plan Released (TWR #120, Water Briefs: Feb. 15, 2014)

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

Stormwater Low Impact Development: An Update on LID Regulations and Practices by Alongi, Banasik & Gruber (TWR #122: April 15, 2014)

Water Quality & Temperature Trading in the Tualatin Basin: 10 Years of Community-Driven Watershed Health Efforts by Porter, Roll, Kapur & Devnani (TWR #123: May 15, 2014)

EPA Released Enhanced Version of “*How’s My Waterway*” App & Website (TWR #123, Water Briefs: May 15, 2014)

Water Allocation in Washington State: Instream Flows Versus Maximum Net Benefits by Thomas M. Pors (TWR #124: June 15, 2014)

Northwest Water Quality Trading: Joint Recommendations in the Pacific Northwest by Sanneman, Cochran, Culliney, Furia, Power & Wigington (TWR #125: July 15, 2014)

Wyoming Water Plan - Comment Period (TWR #125, Water Briefs: July 15, 2014)

New Zealand Mudsail Infestations: Public Policy Implications by Paul Bucich & Kit Paulsen (TWR #126: Aug. 15, 2014)

Restoration Funding: 2015 Five Star/Urban Waters Restoration Program (TWR #130: Water Briefs, Dec. 15, 2014)

Drinking Water & Watershed Goals: CWA Toolkit for Water Managers Available (TWR #130: Water Briefs, Dec. 15, 2014)

Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly (TWR #131: Jan. 15, 2015)

Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson (TWR #132: Feb. 15, 2015) Watershed Planning Implementation and Flow Achievement: Washington Grant Cycle (TWR #133, Water Briefs: March 15, 2015)

The Making of California's Water Bond by Assemblymember Anthony Rendon and Alf W. Brandt (TWR #134: April 15, 2015)

Phosphorus Removal: EPA Case Study of Watershed Approach by Municipalities (TWR #134, Water Briefs: April 15, 2015)

California Groundwater Regulation - Into the Trenches: An Early Assessment of California's New Groundwater Legislation by David Aladjem (TWR #135: May 15, 2015)

Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board (TWR #136: June 15, 2015)

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

"Hydraulic Fracturing Water Use Variability in the United States and Potential Environmental Implications" - USGS (TWR #137, Water Briefs: July 15, 2015)

Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi (TWR #138, August 15, 2015)

FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding (TWR #140: Oct. 15, 2015)

Deep Infiltrating Stormwater: An Evolution in Stormwater Management by Jim Mayer (TWR #141: Nov. 15, 2015)

Alaska Instream Water Applications Decision: "Public Interest" and the "Most Beneficial Use" by Moon (TWR #141: Nov. 15, 2015)

Water Plan Released in Colorado: Water Supply Strategies (TWR #142, Water Briefs: Dec. 15, 2015)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Improving the Federal Response to Drought: Five Areas for Reform - PPIC Water Policy Center Report (TWR #144, Water Briefs: Feb. 15, 2016)

"Quantified Conservation" - Measurement & Tracking of Environmental Outcomes & Impact by The Freshwater Trust (TWR #144, Water Briefs: Feb. 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Prioritizing Management & Protection of the Colorado River's Environmental Resources - Colorado River Research Group (TWR #145, Water Briefs: March 15, 2016)

Drinking Water Mapping Application to Protect Source Waters (DWMAPS): Mapping Tool Released by EPA (TWR #145, Water Briefs: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

2015 Highlights of Progress: Responses to Climate Change Released by EPA's National Water Program (TWR #146, Water Briefs: April 15, 2016)

WaterSMART:

Reclamation's WaterSMART Program: Working to Meet Future Water & Energy Demands by Avra Morgan (TWR #92: Oct. 15, 2011)

Reclamation Funding for Comprehensive Basin Studies in the West (WaterSMART) (TWR #98, Water Briefs: April 15, 2012)

Endangered Fish Reintroduction: Collaboration Trumps Conflict at Whychus Creek by Pamela Thalacker (TWR #101: July 15, 2012)

WaterSMART Update (TWR #105: Nov. 15, 2012)

Yakima Water Plan: The Other Side of the Story by Evans, Forsgaard, Maykut & Packard (TWR #108: Feb. 15, 2013)

Cooperative Watershed Management Program (WaterSMART): Reclamation Funding - Applications Sought (TWR #111, Water Briefs: May 15, 2013)

WaterSMART Funding by Reclamation for Reclaim & Reuse Projects in California (TWR #124, Water Briefs: June 15, 2014)

River Basin Studies Announced by Reclamation: Imbalance of Supply, Needs & Demands (TWR #137, Water Briefs: July 15, 2015)

Drought Resiliency - Projects Selected by Reclamation (TWR #139, Water Briefs: Sept. 15, 2015)

Santa Fe Basin in New Mexico: Reclamation Study Projects Water Shortfall (TWR #140, Water Briefs: Oct. 15, 2015)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

"WATERS OF THE UNITED STATES":

Clean Water Act Jurisdiction - Proposed Rule Released (TWR #122, Water Briefs: April 15, 2014)

"Waters of the US" Definition: Comment Period Open (TWR #123, Water Briefs: May 15, 2014)

Waters of the U.S. Rule: EPA Clarification, Webinar & Extended Comment Period (TWR #125, Water Briefs: July 15, 2014)

Clean Water Act Rule Finalized: CWA Jurisdiction (TWR #136, Water Briefs: June 15, 2015)

"Waters of the US" Definition: Preliminary Injunction Stops Application of New EPA/Army Corps Rule by David Moon (TWR #139, Sept. 15, 2015)

"Waters of the US" Clean Water Act Rule: Injunction Staying Implementation Limited to North Dakota Parties (TWR #140, Water Briefs: Oct. 15, 2015)

WATER SUPPLY:

Growth Limits Based on Water Supply: Reclamation Exploratory Well (TWR #30, Water Briefs: August 15, 2006)

Municipal Water Rights in New Mexico: Various Approaches and Development Impacts by James Brockmann (TWR #31; September 15, 2006)

[Yakima USGS Groundwater Study \(TWR #32, Water Briefs: October 15, 2006\)](#)

[Allocation of Water: Congressional Budget Office Report \(TWR #32, Water Briefs: October 15, 2006\)](#)

[Water Contaminants: Safe Drinking Water List - EPA's Preliminary Determinations \(TWR #39, Water Briefs: May 15, 2007\)](#)

["Post-Appropriation" Water Management: Colorado's Water for the 21st Century Act by George Sibley \(TWR #42, August 15, 2007\)](#)

[Water and Western Growth by Dan Tarlock and Sarah Bates Van de Wetering \(TWR #43, Sept. 15, 2007\)](#)

[Municipal Water Law: Washington's Landmark Law Faces Challenges by Jeff B. Kray \(TWR #44, Oct. 15, 2007\)](#)

[Errata - TWR #38 "Water Conservation Initiatives" \(TWR #44, Water Briefs: Oct. 15, 2007\)](#)

[Anti-Speculation Doctrine: Water Supply Planning Decision in Colorado \(TWR #45, Water Briefs: Nov. 15, 2007\)](#)

[Wastewater Treatment-Benefits of Moving Beyond Minimum Reqmts.: King County's Brightwater Project by Hummel \(TWR #46: December 15, 2007\)](#)

[California Water Market: Metropolitan Water District Authorizes Water Rights Purchases \(TWR #46, Water Briefs: December 15, 2007\)](#)

[Colorado River Record of Decision Signed - Agreement on Shortage Criteria and Innovative Strategies \(TWR #47, Water Briefs: January 15, 2008\)](#)

[Delta Smelt Order in California and Water Supply Impacts \(TWR #47, Water Briefs: January 15, 2008\)](#)

[Water Resources Supply: Groundwater Decision Support System Development by David Jordan, Cynthia Ardito and Van Kelley \(TWR #48: February 15, 2008\)](#)

[Urban & Rural Water Supplies: Colorado Research Pursues Win-Win Scenario by Lytle, Hansen, Jaeger & Nikkel \(TWR #48: February 15, 2008\)](#)

[Georgia Water Battle: Corps Authorization Decision \(TWR #49, Water Briefs: March 15, 2008\)](#)

[Drinking Water Contaminant Candidate List Comments Sought \(TWR #49, Water Briefs: March 15, 2008\)](#)

[Water Reuse Planning - Graphical Tools to Clarify Decisions: A Water Reuse Case Study by John Scott Thomas \(TWR #51: May 15, 2008\)](#)

[Delta Smelt Endangered Species Act Ruling \(TWR #51, Water Briefs: May 15, 2008\)](#)

[The Peripheral Canal: San Francisco Bay - Delta Estuary Proposals by Dante Nomellini \(TWR #53: July 15, 2008\)](#)

[Water Source Partnership: City of Olympia and Nisqually Tribe MOA \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Seven Rivers Pipeline and Augmentation Wells in New Mexico \(Pecos River Settlement\) \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Groundwater Availability Modeling: The Texas Experience by Van Kelley, Robert Mace, and Neil Deeds \(TWR #54, August 15, 2008\)](#)

[Aquifer Recharge and Storage: Ongoing Implementation Concerns by Peter G. Scott \(TWR #54, August 15, 2008\)](#)

[*Water Needs and Strategies for a Sustainable Future: Next Steps*: Western Governor's Report Released \(TWR #54, Water Briefs: August 15, 2008\)](#)

[Climate Change and Water: IPCC Technical Paper VI by David Moon \(TWR #56: October 15, 2008\)](#)

Water Management Alternatives: Incorporating "New" Water Management Methods at a Watershed Scale by Cat Shrier (TWR #56: October 15, 2008)

Municipal & Instream Water Right Withdrawal Exchange in Washington (TWR #57, Water Briefs: November 15, 2008)

Groundwater Replenishment & Water Reuse: Orange County California's Water Purification and Reuse Project by Michael R. Markus (TWR #59: Jan. 15, 2009)

California Water Supply: Challenges and Solutions by Dr. Cat Shrier (TWR #59: Jan. 15, 2009)

Water Reuse & Supply Sustainability: WaterReuse Association and International Water Association by Dr. Cat Shrier (TWR #59: Jan. 15, 2009)

Water Reuse to meet Future Water Supply Needs: NAS Study Begins by Dr. Cat Shrier (TWR #59: Jan. 15, 2009)

Peripheral Canal Push in California: Governor's Panel and TNC Report (TWR #60, Water Briefs: Feb. 15, 2009)

Water Planning & Uncertainty: Colorado Perspectives - An Update From the Colorado Water Congress' Annual Meeting by Shrier (TWR #61: March 15, 2009)

Water Marketing in Texas: Selling or Leasing of Groundwater and Surface Water Rights by Edmond R. McCarthy, Jr. (TWR #62: April 15, 2009)

Conversion of Irrigation Rights to Municipal & Industrial Rights: Legislation, Court Case & Transactions - Lower Rio Grande by Jarvis (TWR #62: April 15, 2009)

Oregon Water Demand Forecasting: A Transparent & Flexible Tool for State Water Needs Assessment by Igloria and Graham (TWR #62: April 15, 2009)

"Unquenchable: America's Water Crisis and What to Do About It" - Interview with Author Robert Glennon by David Moon, Editor (TWR #64: June 15, 2009)

Regional U.S. Impacts of Global Climate Change: Federal Report Provides Assessment of National & Regional Impacts (TWR #65, Water Briefs: July 15, 2009)

Tribal and Municipal Water Supply: Navajo-Gallup Project - Reclamation Report & EIS (TWR #66, Water Briefs: August 15, 2009)

USGS Aquifer Study in California: Groundwater Availability in Central Valley (TWR #66, Water Briefs: August 15, 2009)

High Plains Aquifer (Ogallala) - USGS Water Quality Study (TWR #67, Water Briefs: Sept. 15, 2009)

Land Use & Water Supply Planning: Integrated Planning Symposium Emphasizes New Approach by MaryLou Smith (TWR #69: Nov. 15, 2009)

"Reasonably Necessary" Water Supply Case in Colorado: Planning Period, Burden of Proof & "Speculative" Flows (TWR #69, Water Briefs: Nov. 15, 2009)

Sacramento-San Joaquin Delta: Major Legislation & Remaining Issues by Alf Brandt (TWR #72: Feb. 15, 2010)

New Era of Interbasin Water Transfers by Barbara Cosens (TWR #72: Feb. 15, 2010)

WaterSMART Initiative: Dept. of Interior Strategy (TWR #73, Water Briefs: March 15, 2010)

Municipal Water Desalination - Alamogordo: New Mexico's First Large-Scale Municipal Desalination Project by James C. Brockmann (TWR #75:

May 15, 2010)

Climate Change Impacts: Water Climate Forum Brings Int'l Insights to US Adaptation Strategies by Erica Brown (TWR #76: June 15, 2010)

Texas Water Law Litigation by Brian L. Sledge and Jason T. Hill (TWR #76: June 15, 2010)

Hydraulic Fracturing Impacts: EPA Study Released - Public Meetings (TWR #77, Water Briefs: July 15, 2010)

Western Governors Association 2010 Meeting: Water Resolutions (TWR #77, Water Briefs: July 15, 2010)

Water Supply Protection: EPA/DOE "Canary" Software (TWR #78, Water Briefs: Aug. 15, 2010)

Oklahoma Water Storage: Tribal Concerns Raised - Municipalities Purchase Reclamation Project by David Moon, Editor (TWR #79, Sept. 15, 2010)

Oklahoma Storage Transfer Controversy: Tribal Nations & Local Interests Oppose the Transfer Agreement by David Moon, Editor (TWR #80: Oct. 15, 2010)

Hydraulic Fracturing: The Road to EPA's New "Fracking" Study by Adam Orford (TWR #80: Oct. 15, 2010)

Colorado Water Issues: An Interview with Colorado State Engineer Dick Wolfe by William H. Fronczak (TWR #81: November 15, 2010)

Climate Change and Water Shortages: TETRA TECH / NRDC Report (TWR #79, Water Briefs: Sept. 15, 2010)

Regional Water Supply: Washington's Dept. of Ecology Approves Water Rights (TWR #80, Water Briefs: Oct. 15, 2010)

Water Reuse California Legislation Passed: Recycled Water to Supplement Supplies (TWR #81, Water Briefs: Nov. 15, 2010)

Beneficial Use in Times of Shortage: Respecting Historic Water Rights While Encouraging Efficient Use and Conservation by Clyde (TWR #83: Jan. 15, 2011)

Water Demand Assessment: Western Governors' Association (Transfers, Energy, ESA & Climate Change) (TWR #83, Water Briefs: Jan. 15, 2011)

Water Supply Issues in Colorado: Shift from Agricultural Uses, Water Transfers & Municipal Needs-SWSI Report (TWR #84, Water Briefs: Feb. 15, 2011)

Drought Planning Report Released by Western Governors' Association & Western States Water Council (TWR #84, Water Briefs: Feb. 15, 2011)

Water Plan Report: Oregon's Integrated Water Resources Strategy Moving Forward (TWR #84, Water Briefs: Feb. 15, 2011)

Supply & Streamflow: Water Management Agreement Reached in Washington (Dungeness River Watershed) (TWR #85, Water Briefs: March 15, 2011)

New Water Management Model: The Umatilla Basin Water Commission - Counties, Irrigation District & Confederated Tribes Form Administrative Body by Martha Pagel (TWR #87: May 15, 2011)

Water Sharing Strategies for Ag/Urban/Enviro in the West: Western States Council Report with CSU's Water Institute (TWR #87, Water Briefs: May 15, 2011)

Aquifer & River Recharge: Spokane Valley-Rathdrum Prairie (SVRP) Aquifer and the Spokane River (Ecology Study) (TWR #87, Water Briefs: May 15, 2011)

[Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates \(TWR #88: June 15, 2011\)](#)

[Multi-Sector Water Sharing \(Agricultural-Urban-Environmental\): Innovative Strategies for the Colorado River Basin & the West by Smith \(TWR #88: June 15, 2011\)](#)

[Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie \(TWR #89: July 15, 2011\)](#)

[Porosity Storage Reservoirs: A 21st Century Solution for Water Storage by Matt Metcalf & William H. Fronczak \(TWR #89: July 15, 2011\)](#)

[Lake Lanier Ruling in the Southeast: Reclamation Reservoir & "Water Supply" Purpose 11th Circuit Decision \(TWR #89, Water Briefs: July 15, 2011\)](#)

[*Colorado River Basin Supply & Demand Study* by Carly Jerla, Terry Fulp, and Pam Adams \(TWR #90: August 15, 2010\)](#)

[Indian Water Settlements: Outlook for the 112th Congress and Beyond by Ryan A. Smith \(TWR #90: August 15, 2010\)](#)

[Water Planning in Oregon: "Recommended Actions" Proposed for Comment \(TWR #90, Water Briefs: August 15, 2011\)](#)

[Aquifer Storage & Recovery: Advantages, Challenges, Applications & Approaches for Expanding ASR in the West by Burt and Barry \(TWR #91: Sept. 15, 2011\)](#)

[Water Resources Regulation & Development: Groundwater, Floodplains, and "Waters of the United States" by Robert D. Anderson \(TWR #91: Sept. 15, 2011\)](#)

[Water Rights & Regulatory Authority Issues: Chickasaw & Choctaw Nations File Lawsuit Opposing Water Transfer by David Moon \(TWR #91: Sept. 15, 2011\)](#)

[Lake Roosevelt Drawdown Upheld: Reclamation Project Approved by Ninth Circuit \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Municipal Water Rights in Montana: Court Rejects "Growing Cities Doctrine" and Upholds Agency Transfer Decision \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Bay Delta Conservation Plan: Schedule for Effects Analysis & EIS/EIR \(June 2012\) \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[National Research Council Report: "A Review of the Use of Science and Adaptive Management in California's Draft Bay Delta Conservation Plan" \(TWR #91, Water Briefs: Sept. 15, 2011\)](#)

[Reclamation's WaterSMART Program: Working to Meet Future Water & Energy Demands by Avra Morgan \(TWR #92: Oct. 15, 2011\)](#)

[Water Utility Sale Proposed - Carlyle Group Purchase of Missoula's Water Company \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Draft Columbia River Basin Long-Term Water Supply and Demand Forecast Released by Ecology \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Colorado River Water Uses: 21st Century Solutions for the Colorado River Basin's Unbalanced Uses by Drew Beckwith \(TWR #93: Nov. 15, 2011\)](#)

[Water Reuse in the West - Institutional Restraints \(Western States Water Council Report\) by Nathan Bracken \(TWR #93: Nov. 15, 2011\)](#)

[Columbia River Instream Atlas: Washington's Ecology Releases Draft Tool \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[Climate Change & San Francisco Bay Watershed: Watershed Impacts for the Coming Century-Edited/Condensed from: James Cloern \(TWR #94: Dec. 15, 2011\)](#)

Speculative Use or Regional Provider: Company Applies for Massive Water Right in Oregon by David Moon (TWR #94: Dec. 15, 2011)

Water Supply: Drought Response Initiatives in Texas (TWR #94, Water Briefs: Dec. 15, 2011)

Colorado Basin Water: Demand & Supply Assessment by Reclamation - Phase 4 Initiated (TWR #94, Water Briefs: Dec. 15, 2011)

Tribal Water Rights Settlement Funding Announced-Soboba of Luiseño Indians Settlement Act (\$21 Million in California)(TWR #94, Water Briefs: Dec. 15, 2011)

Construing Speculative Use: TCEQ Remands Million Acre-Foot Water Application for Brazos River Basin by David Moon, Editor (TWR #96: Feb. 15, 2012)

Water Reuse: Expanding the Nation's Water Supply through Reuse of Municipal Wastewater (NRC/EPA Report) (TWR #96, Water Briefs: Feb. 15, 2012)

2012 Texas State Water Plan Adopted by the Texas Water Development Board (TWR #96, Water Briefs: Feb. 15, 2012)

Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey (TWR #97: March 15, 2012)

Colorado River Basin Water Supply & Demand Study: Resolving Water Supply & Demand Imbalances (TWR #98, Water Briefs: April 15, 2012)

Reclamation Funding for Comprehensive Basin Studies in the West (WaterSMART) (TWR #98, Water Briefs: April 15, 2012)

Western States' Water Planning: The Best Laid Plans - Water Planning in Uncertain Times by Janet Neuman (TWR #99: May 15, 2012)

Colorado Basin Study - Basin Water Supply & Demand Study Update by Carly Jerla, James Prairie, & Pam Adams (TWR #100: June 15, 2012)

Local Land Use Decisions & Water Supply Considerations: New Rules from the Washington Supreme Court by Dave Monthie (TWR #102: August 15, 2012)

Northwest Water Banking: Meeting Instream and Out of Stream Water Needs in the Pacific Northwest by Cronin & Fowler (TWR #102: August 15, 2012)

Glen Canyon Dam: Colorado River Basin States Propose Alternative for Management Plan (TWR #102, Water Briefs: August 15, 2012)

Groundwater Reserves Proposal: Study Released on Water Supply & Climate Change for California (TWR #103, Water Briefs: Sept. 15, 2012)

Arizona Groundwater Management by Sharon B. Megdal (TWR #104: Oct. 15, 2012)

Comments on *Land Use & Water Supply*, TWR #102: Sarah Mack & Dave Monthie (TWR #104, Water Briefs: Oct. 15, 2012)

Water and Climate in the Pacific Northwest White Paper (TWR #104, Water Briefs: Oct. 15, 2012)

Navajo-Gallup Water Supply Project Funding - Expedited Permitting & Review for Navajo Nation (TWR #104, Water Briefs: Oct. 15, 2012)

WaterSMART Update (TWR #105: Nov. 15, 2012)

Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity (TWR #106: Dec. 15, 2012)

Pipe Dreams: Water Supply Pipeline Projects in the West by Fort & Nelson (TWR #106: Dec. 15, 2012)

Interstate Compact Litigation Between Oklahoma & Texas: U.S. Solicitor General Files Opinion (TWR #106, Water Briefs: Dec. 15, 2012)

Storage to Retention: Expanding California's Options for Meeting Its Water Needs - Roundtable on Water & Food Supply (TWR #106, Water Briefs: Dec. 15, 2012)

Upper Columbia River Contamination: Transboundary Application of CERCLA by Du Bey, Ulick Rosenthal & Clark (TWR #15: May 15, 2005)

Water Policy & Science: Nebraska's River Basin Evaluation Tools by James Gilbert (TWR #107: January 15, 2013)

Colorado River Management: Planning, Agreeing & Acting by Ted Kowalski (TWR #107: January 15, 2013)

California's Water Market, By the Numbers, Update 2012 (TWR #107, Water Briefs: January 15, 2013)

The Colorado River Basin Water Supply and Demand Study Released by Reclamation (TWR #107, Water Briefs: January 15, 2013)

Author's Reply (Yakima Water Plan) by Steve Malloch and Michael Garrity (TWR #108: Feb. 15, 2013)

Failure to Act: *The Impact of Current Infrastructure Investment on America's Economic Future* - ASCE Report (TWR #108, Water Briefs: Feb. 15, 2013)

Interstate Lawsuit on Red River Compact to be Heard by U.S. Supreme Court - Texas & Oklahoma (TWR #108, Water Briefs: Feb. 15, 2013)

Uranium Decontamination Cleanup: EPA Five-Year Plan Report on Progress (TWR #108, Water Briefs: Feb. 15, 2013)

Umatilla Basin Aquifer Restoration Project: New Management Model at the Crossroads by Martha Pagel (TWR #109: March 15, 2013)

Hydraulic Fracturing & Water: Considering the Water Resources Impacts of Hydraulic Fracturing by Adam Orford (TWR #110: April 15, 2013)

Progress Toward Establishing a National Assessment of Water Availability and Use - Interior Water Census (TWR #110, Water Briefs: April 15, 2013)

Indian Water Right Negotiations: Interior's Considerations When Appointing Federal Negotiation Teams by Duane Mecham (TWR #111: May 15, 2013)

Snake Valley Water Agreement Rejected by Utah Governor (Nevada & Utah Agreement) (TWR #111, Water Briefs: May 15, 2013)

Reclamation Announces Actions & Strategies to Improve Water Supplies for California's Central Valley Project (TWR #111, Water Briefs: May 15, 2013)

The "Fill Mead First" Proposal: Potential Legal Issues Under the Law of the River by Lawrence J. MacDonnell (TWR #112: June 15, 2013)

Water Supply Fund in Texas: \$2 Billion Investment Depends on Texans' Vote Following Passage by Legislature (TWR #112, Water Briefs: June 15, 2013)

The Southern Delivery System - Getting to the Finish Line: Planning, Permitting & Constructing by John A. Fredell (TWR #113: July 15, 2013)

Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre (TWR #114: August 15, 2013)

Arkansas Valley Conduit in Colorado: Regional Water Pipeline Project - Condensed/Edited from US Bureau of Reclamation Documents (TWR #115:

Sept. 15, 2013)

High Plains Aquifer (Ogallala) Depletion Detailed - Unsustainable Agriculture Use of Groundwater (TWR #115, Water Briefs: Sept. 15, 2013)

Tribal Water Study: Reclamation & the Colorado River Basin Tribes Partnership (Ten Tribes Partnership) (TWR #116, Water Briefs: Oct. 15, 2013)

Water Law Adaptability: Increasing Water Use Efficiency - Meeting the Needs of Growing Population & Sustainable Agriculture by Clyde (TWR #117, Nov. 15, 2013)

Natural Infrastructure: Investing in Forested Landscapes for Source Water Protection in the United States (TWR #117, Water Briefs: Nov. 15, 2013)

Community Forest: Yakima Basin Land Purchase Key Step in Yakima Basin Integrated Plan (TWR #117, Water Briefs: Nov. 15, 2013)

Aquifer Storage & Recovery for Groundwater Supply - Award Announced for City of Phoenix Project (TWR #117, Water Briefs: Nov. 15, 2013)

Water Exchange & Mitigation: Water Rights Purchases Hydrate Water Bank & Recharge Aquifer - Mitigation in Closed Basin by Moon (TWR #118, Dec. 15, 2013)

Water & Land Use Assessment Tool: California's Locally Adaptable Tool (Water & Stormwater Impacts) by Patterson, Hinds & Lassiter (TWR #119: Jan. 15, 2014)

Las Vegas Water Rights Decision - Judge Overturns State Engineer Approvals by David Moon (TWR #119: Jan. 15, 2014)

Rio Grande Water: Upper & Lower Basin Studies Released by Reclamation (TWR #120, Water Briefs: Feb. 15, 2014)

California Water Action Plan Released (TWR #120, Water Briefs: Feb. 15, 2014)

Albuquerque's Water Resources Management: Integrated Strategy Meets Area Challenges by John M. Stomp III, P.E. (TWR #121: March 15, 2014)

Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol (TWR #121: March 15, 2014)

Regional Water Management Cooperation: Study Compares Four Cases in the West by Nathaniel Delano and Sharon B. Megdal (TWR #121: March 15, 2014)

Arizona's "Strategic Vision for Water Supply Sustainability" (TWR #121, Water Briefs: March 15, 2014)

Speculation in Water: Application Rejected in Oregon by Water Resources Department (TWR #122, Water Briefs: April 15, 2014)

Colorado's Water Plan by Jayla Ryan Poppleton (TWR #123: May 15, 2014)

Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge (TWR #123: May 15, 2014)

Arizona Groundwater Use Decision: Groundwater Plan for Development Project Rejected by David Moon (TWR #125: July 15, 2014)

Land Subsidence and Groundwater Replenishment in California (TWR #125, Water Briefs: July 15, 2014)

Groundwater Threat: Colorado River Basin Groundwater Use Report by NASA and UC Irvine (TWR #126, Water Briefs: Aug. 15, 2014)

Conservation Plan: Colorado River System Conservation Program Agreement (Reclamation & Municipal Water)(TWR #126, Water Briefs: Aug. 15, 2014)

[Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer \(TWR #127: Sept. 15, 2014\)](#)

[Water Rights Study in California: State Over Allocation - Overhaul Proposed \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

[California Groundwater Management Reform: Sustainable Groundwater Management Act Signed by David Moon \(TWR #128, Oct. 15, 2014\)](#)

[Shopping for Water: How the Market Can Mitigate Water Shortages in the American West - The Hamilton Project Paper \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Water Consciousness Challenge: The New Arizona Prize to be Awarded \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Managed Aquifer Recharge - Benefits of Public-Private Partnership by Tuthill, Anderson & Comeskey \(TWR #130: Dec. 15, 2014\)](#)

[Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond \(TWR #130: Dec. 15, 2014\)](#)

[Gila Water Storage: Innovative Banking Creates "Long-Term Storage Credits" - Gila River Water Storage LLC and Christa McJunkin \(TWR #130: Dec. 15, 2014\)](#)

[USGS Water Use Report Released: Withdrawals Dropping \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Columbia River Basin Water Supply Inventory Report 2014 Released \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Drinking Water & Watershed Goals: CWA Toolkit for Water Managers Available \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Water Management Innovation in San Francisco: Building the Infrastructure of the Future - Senate Testimony of Harlan Kelly \(TWR #131: Jan. 15, 2015\)](#)

[Integrating Storage in California's Changing Water System: Storage and Water Management Report \(TWR #131: Water Briefs, Jan. 15, 2015\)](#)

[Water Sector Innovations/Rising Tide: Enabling Innovative Water Technologies by Grace Richardson \(TWR #132: Feb. 15, 2015\)](#)

[Huge Instream Donation: Water Supply/Trust Program in Washington \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Colorado Water Plan Draft Released \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Water Financing: New EPA Build America Investment Initiative \(TWR #132, Water Briefs: Feb. 15, 2015\)](#)

[Municipal Water Rights: Recent Rulings in Washington & Oregon by Richard Glick and Michelle Smith \(TWR #133: March 15, 2015\)](#)

[Watershed Planning Implementation and Flow Achievement: Washington Grant Cycle \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Water Resource Issues in the 114th Congress-Congressional Research Service Report \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Mandatory Water Use Restrictions in California: Governor's Executive Order a First \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Water Purchases: Metropolitan Water District's Board Authorizes \\$71 Million for Ag Water Transfers & Promotes Conservation \(TWR #134, Water Briefs: April 15, 2015\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Drought-Proofing Oklahoma by J.D. Strong, Executive Director, Oklahoma Water Resources Board \(TWR #136: June 15, 2015\)](#)

[Urban Water Conservation in Southern California: Encouraging Conservation Through Tradeable Allocations & Market Mechanisms by Bond, Motlow, Steely, Wang & Libecap \(TWR #136: June 15, 2015\)](#)

[Small Scale Hydropower & Ditch Easements: Colorado Decision Applies “No Injury Rule” and Maximum Use by David Moon \(TWR #136: June 15, 2015\)](#)

[Colorado River *Moving Forward Phase 1 Report* Released by Reclamation & Stakeholders \(TWR #136, Water Briefs: June 15, 2015\)](#)

[Regulating Seawater Desalination in California by Tom Boer & Kathryn Oehlschlager \(TWR #137: July 15, 2015\)](#)

[The Pope Talks On Water: Pope Francis’ Encyclical on “The Issue of Water” \(TWR #137, Water Briefs: July 15, 2015\)](#)

[“California Climate & Science Data for Water Resources Management” Released by CDWR \(TWR #137, Water Briefs: July 15, 2015\)](#)

[River Basin Studies Announced by Reclamation: Imbalance of Supply, Needs & Demands \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Drought Resiliency - Projects Selected by Reclamation \(TWR #139, Water Briefs: Sept. 15, 2015\)](#)

[Water Markets & Water Transfers in Texas by Steve Kosub \(TWR #140: Oct. 15, 2015\)](#)

[EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA’s Office of Science & Technology - Conducted by Jakob Wiley \(TWR #140: Oct. 15, 2015\)](#)

[Santa Fe Basin in New Mexico: Reclamation Study Projects Water Shortfall \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[Muni-to-Farm Water in California: North Valley Recycled Water Program \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[LA’s Stormwater Capture Plan: Excerpts from the Los Angeles Stormwater Capture Master Plan \(TWR #141: Nov. 15, 2015\)](#)

[Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon \(TWR #141: Nov. 15, 2015\)](#)

[Water & Power: Reclamation Science & Technology Development Projects \(TWR #141, Water Briefs: Nov. 15, 2015\)](#)

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

[Innovative Water Management: New Tools for Securing Water for People & Nature by Aaron Derwingson \(TWR #142: Dec. 15, 2015\)](#)

[Treated Stormwater Used for Irrigation in Florida \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Stormwater Policy in California: New Strategy Considered \(TWR #142, Water Briefs: Dec. 15, 2015\)](#)

[Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug \(TWR #143: January 15, 2016\)](#)

[Truckee River Operating Agreement Begins: Interstate Allocations \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Reservoir Evaporation Losses in the West Studied \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

[Reclaimed Water Risks-Benefits Analysis by National Academy of Sciences Released \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

Natural Resource Investment Center Established by Department of Interior (TWR #143, Water Briefs: Jan. 15, 2016)

Unbundling Water Rights: Pilot Program Anticipated in Nevada's Diamond Valley / Excerpts from "Unbundling Water Rights: A Blueprint for Development of Robust Water Allocation Systems in the Western United States" by Mike Young (TWR #144: Feb. 15, 2016)

Finding "New Water" in California: Seminar Review & Commentary by Jungreis and Van Ligten (TWR #144: Feb. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern (TWR #145: March 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues (TWR #145, Water Briefs: March 15, 2016)

Cropland Recharge in California: Groundwater Recharge for Overdraft (TWR #145, Water Briefs: March 15, 2016)

Water Demands & Utility Pricing: Using Economics to Promote Utility Resilience by Amy Hardberger (TWR #146: April 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Reuse & Conservation: EPA Research Funding Announced (TWR #146, Water Briefs: April 15, 2016)

Metropolitan Water District of Southern California Found Liable for \$8.9 Million in Attorney's Fees in Rate Case (TWR #146, Water Briefs: April 15, 2016)

"Use It or Lose It" in Colorado Water Law: Understanding Conservation Concerns by Waskom & Smith (TWR #146: April 15, 2016)

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

Using Graywater & Stormwater to Enhance Local Water Supplies: An Assessment of Risks, Costs, & Benefits Published (TWR #146, Water Briefs: April 15, 2016)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

SECURE Water Act Report by Reclamation: Climate Adaptation, Water Sustainability, and Online Tool (TWR #146, Water Briefs: April 15, 2016)

Small System Aquifer Storage & Recovery: Small System Utilization for Drinking Water by Bob Mansfield (TWR #148: June 15, 2016)

Drought Regulations Replaced With "Stress Test" Approach in California (TWR #148, Water Briefs: June 15, 2016)

Recommendations for Improving Water Transfers and Access to Water Markets in California (TWR #148, Water Briefs: June 15, 2016)

Texas Water Plan/Management Strategies: 2017 Plan Released (TWR #148, Water Briefs: June 15, 2016)

WATER SUPPLY CONTRACTS:

Ninth Circuit: Reclamation Renewal of Water Supply Contracts from Bay-Delta Ecosystem Violated ESA (TWR #123, Water Briefs: May 15, 2014)

Federal Breach of Contract: Reclamation Loses Appeal on Breach of Contract Claim by David Moon (TWR #127: Sept. 15, 2014)

Texas v. New Mexico and Colorado, No. 141 Original: Update & Summary by Sarah A. Bond (TWR #130: Dec. 15, 2014)

Reclamation Contracts Challenge & the ESA: Supreme Court Denies Petition by Irrigation Districts (TWR #130: Water Briefs, Dec. 15, 2014)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

WATER TABLE:

Closed Loop Geothermal Power Plants: New Mexico Clarifies Permit Process by Michelle Henrie (TWR #97: March 15, 2012)

Las Vegas Water Rights Decision - Judge Overturns State Engineer Approvals by David Moon (TWR #119: Jan. 15, 2014)

South Platte Basin Well Management: Colorado Options Analysis by Reagan M. Waskom (TWR #122: April 15, 2014)

"Assessment of Groundwater Level Trends across the United States" Published by Columbia Water Center (TWR #122, Water Briefs: April 15, 2014)

WATER TECHNOLOGIES:

California Water Policy Challenge by Imagine H2O - Water Innovation Contest (TWR #139, Water Briefs: Sept. 15, 2015)

WATER TRADING:

Urban Water Conservation in Southern California: Encouraging Conservation Through Tradeable Allocations & Market Mechanisms by Bond, Motlow, Steely, Wang & Libecap (TWR #136: June 15, 2015)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

WATER TRANSFERS RULE:

Waterway-To-Waterway Transference: NPDES Permit Requirements and the *Miccosukee* Case by Rick Glick (TWR #2: April 15, 2004)

NPDES Permits & Water Transfers: Post-*Miccosukee* Court in Florida Finds NPDES Permit Necessary by Richard M. Glick (TWR #35: January 15, 2007)

Water Transfers and the Clean Water Act by Rick Glick (TWR #36, February 15, 2007)

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

[WATER TREATMENT \(see also WASTEWATER\):](#)

Sewage "Blending" and EPA Proposed Rule (TWR #12, Water Briefs: Feb. 15, 2005)

Sewage Settlement: \$187 Million Consent Degree (TWR #16, Water Briefs: June 15, 2005)

Wastewater Treatment - EPA Penalty for Municipality (TWR #18, Water Briefs: August 15, 2005)

Recycling Wastewater By-Products: BioCycle Farm & Poplars by Kenneth J. Vanderford (TWR #19: September 15, 2005)

Pretreatment Rule for Wastewater Discharges (TWR #20, Water Briefs: October 15, 2005)

Water Contaminants: Safe Drinking Water List - EPA's Preliminary Determinations (TWR #39, Water Briefs: May 15, 2007)

Tribal Assistance Program for Wastewater Funding (EPA's Clean Water Set-Aside Grants) (TWR #39, Water Briefs: May 15, 2007)

Wastewater Treatment-Benefits of Moving Beyond Minimum Reqmts.: King County's Brightwater Project by Hummel (TWR #46: December 15, 2007)

Water Quality Assurance Revolving Fund in Arizona: Wastewater Treatment Grant (TWR #51, Water Briefs: May 15, 2008)

Groundwater Replenishment & Water Reuse: Orange County California's Water Purification and Reuse Project by Michael R. Markus (TWR #59: Jan. 15, 2009)

EPA Climate Work Group for Water Utilities (TWR #70, Water Briefs: Dec. 15, 2009)

Lake Lanier Ruling in the Southeast: Reclamation Reservoir & "Water Supply" Purpose 11th Circuit Decision (TWR #89, Water Briefs: July 15, 2011)

Water Utilities Report by Black & Veatch: *Strategic Directions in the U.S. Water Utility Industry* (TWR #101, Water Briefs: July 15, 2012)

The Southern Delivery System - Getting to the Finish Line: Planning, Permitting & Constructing by John A. Fredell (TWR #113: July 15, 2013)

Arkansas Valley Conduit in Colorado: Regional Water Pipeline Project - Condensed/Edited from US Bureau of Reclamation Documents (TWR #115: Sept. 15, 2013)

Western Water Transfers & the Clean Water Act: Litigation Overview & Arguments Against Requiring NPDES Permits by Peter Nichols (TWR #128, Oct. 15, 2014)

[WATER TRUSTS and WATER PROJECTS \(see also INSTREAM WATER RIGHTS & FLOWS; WATER MARKETS\):](#)

Flow Restoration in the Northwest: Columbia Basin Water Transactions by Andrew Purkey and Christopher Furey (TWR #2: April 15, 2004)

New Mexico Water Trust Fund: Permanent Status Vote (TWR #33, Water Briefs: Nov. 15, 2006)

Instream Flow Restoration: Cooperative, Free-Market Solutions in Oregon by Fritz Paulus (TWR #43, Sept. 15, 2007)

[Water Trust Merger: Oregon Trout and the Oregon Water Trust Become The Freshwater Trust \(TWR #62, Water Briefs: April 15, 2009\)](#)

[The Colorado Water Trust: Western Water Trusts & the Colorado Experience by Amy W. Beatie \(TWR #66: August 15, 2009\)](#)

[New Water Market Website for Washington Agency \(Ecology\) Programs \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Montana Water Trust Merges With Clark Fork Coalition \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Water Restoration Certificates: Voluntary, Market-Based Flow Restoration by Todd Reeve & Rob Harmon \(TWR #79, Sept. 15, 2010\)](#)

[Nebraska's Evolving Water Law: Challenges & Opportunities - Part II by Mary E. Kelly \(TWR #82: Dec. 15, 2010\)](#)

[Nondiversion Agreement - Aspen Instream Flow Agreement with Colorado Water Trust \(TWR #113, Water Briefs: July 15, 2013\)](#)

[Instream Flow Leasing in Colorado by Zach Smith and Edalin Koziol \(TWR #121: March 15, 2014\)](#)

[City Instream Flow: Non-Diversion Agreement in Colorado \(TWR #123, Water Briefs: May 15, 2014\)](#)

[Habitat Purchase: Transfer of Land to Tulalip Tribes \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[“Quantified Conservation” - Measurement & Tracking of Environmental Outcomes & Impact by The Freshwater Trust \(TWR #144, Water Briefs: Feb. 15, 2016\)](#)

[Liquid Assets: Investing for Impact in the Colorado Basin - Investment Blueprint Released \(TWR #146, Water Briefs: April 15, 2016\)](#)

[WATER USE RESTRICTIONS:](#)

[Water Conservation in Drought: Steep Decline in Conservation in California \(TWR #133, Water Briefs: March 15, 2015\)](#)

[WATER WASTE:](#)

[Mandatory Water Use Restrictions in California: Governor's Executive Order a First \(TWR #134, Water Briefs: April 15, 2015\)](#)

[The Pope Talks On Water: Pope Francis' Encyclical on “The Issue of Water” \(TWR #137, Water Briefs: July 15, 2015\)](#)

[WATERWAYS:](#)

[EPA Released Enhanced Version of “How’s My Waterway” App & Website \(TWR #123, Water Briefs: May 15, 2014\)](#)

["WELL CALL":](#)

[Well Augmentation: Conjunctive Use Decision in Colorado \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

WELL DEPLETIONS:

AG/MUNI Water: Rotational Leasing-Fallowing - Catlin Pilot Project Demonstrates Effectiveness by Martinsson & Gutwein (TWR #146: April 15, 2016)

WELL INTEGRITY:

Hydraulic Fracturing: Interior's Rule Released for Public & American Indian Lands (TWR #134, Water Briefs: April 15, 2015)

WELL LOGS:

Groundwater Issues: Interview with Dr. Todd Jarvis by Jakob Wiley (TWR #137: July 15, 2015)

WELLS (See also GROUNDWATER & EXEMPT WELLS):

Exempt Wells: Ecology Reversal Regarding Agricultural Uses (TWR #22, Water Briefs: Dec. 15, 2005)

Western States Water Update: Western States Water Council Meets in Montana by David C. Moon (TWR #44, Oct. 15, 2007)

Domestic Wells in New Mexico: Senior Water Rights Protected in Court Decision (TWR #54, Water Briefs: August 15, 2008)

Coalbed Methane Decision: "Beneficial Use" and Well Permit Required - Ranchers' Senior Water Rights Protected by David Moon (TWR #63: May 15, 2009)

Waste Disposal Wells in Alaska: Motor Vehicle Fluids Threaten Groundwater - Army Base Fined (TWR #92, Water Briefs: Oct. 15, 2011)

Hydraulic Fracturing: Interior's Rule Released for Public & American Indian Lands (TWR #134, Water Briefs: April 15, 2015)

EPA Fracking Study "Draft Assessment" Released (TWR #137, Water Briefs: July 15, 2015)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

WELL SPACING:

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

WETLAND IMPACTS:

Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R.

[Alongi \(TWR #138, August 15, 2015\)](#)

[Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug \(TWR #143: January 15, 2016\)](#)

WETLAND PLANTS:

[Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill \(TWR #134: April 15, 2015\)](#)

WETLANDS:

[Wetlands Damage \(TWR #6, Water Briefs: Aug. 15, 2004\)](#)

[Clean Water Act Fine - Wetlands Dumping \(TWR #18, Water Briefs: August 15, 2005\)](#)

[Wetlands and the Clean Water Act: *Rapanos*, *Carabell* and the Limits of Federal Jurisdiction by Bleichfeld, Collinson & Mills \(TWR #24: February 15, 2006\)](#)

[Wetlands Restoration and Preservation Rule Proposed by EPA and Corps \(TWR #26, Water Briefs: April 15, 2006\)](#)

[Dallas Stormwater: Settlement Agreement and Wetlands Construction \(TWR #28, Water Briefs: June 15, 2006\)](#)

[Clean Water Act Wetlands Jurisdiction: US Supreme Court Rules on *Rapanos* & *Carabell* by Jennie Bricker \(TWR #29: July 15, 2006\)](#)

[Supreme Court Decides Wetlands Cases *Rapanos* & *Carabell* by Roderick Walston \(TWR #30: August 15, 2006\)](#)

[Wetlands Enforcement: Agriculture Exemption Limits \(TWR #30, Water Briefs: August 15, 2006\)](#)

[Wetlands Case: 9th Circuit Issues Post-*Rapanos* Decision \(TWR #31, Water Briefs: Sept. 15, 2006\)](#)

[All-American Canal Lining Halted: 9th Circuit Injunction \(TWR #31, Water Briefs: Sept. 15, 2006\)](#)

[Wetlands Initiative: New USDA Conservation Reserve Program \(TWR #31, Water Briefs: Sept. 15, 2006\)](#)

[Nationwide Section 404 Permits \(Clean Water Act\): Corps of Engineers Proposal \(TWR #32, Water Briefs: October 15, 2006\)](#)

[Wetland Mitigation: Evaluating Clean Water Act Projects in California \(TWR #34, Water Briefs: December 15, 2006\)](#)

[Clean Water Act Settlement: Wetlands Preservation & Enhancement \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Wetland Nutrients: Draft EPA Water Quality Standards Guidance \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Bonneville Power Administration Land Acquisition With Tribal Ownership \(TWR #35, Water Briefs: January 15, 2007\)](#)

[Wetlands Permits - Corps of Engineers Revises Nationwide Permits \(TWR #38, Water Briefs: April 15, 2007\)](#)

[Oil Spill Settlement in California \(TWR #40, Water Briefs; June 15, 2007\)](#)

[Wetlands Policy: Corps/EPA Guidance Issued \(TWR #41, Water Briefs: July 15, 2007\)](#)

[Clean Water Act Jurisdiction: Army Corps Jurisdictional Wetlands Determinations by Douglas W. MacDougal \(TWR #47: January 15, 2008\)](#)

[Wetlands Restoration: Irrigation District Purchases Land for Delta Smelt and Other Species Recovery \(TWR #47, Water Briefs: January 15, 2008\)](#)

[Wetlands Compensatory Mitigation Rule Released by Corps of Engineers \(Unavoidable Impacts\) \(TWR #50, Water Briefs: April 15, 2008\)](#)

[Multi-Use Reservoir Analysis: Rio Grande Reservoir by Matthew Bliss \(TWR #51: May 15, 2008\)](#)

[Wetlands Enforcement: Clean Water Act Settlement in Idaho \(TWR #51, Water Briefs: May 15, 2008\)](#)

[Water Quality Thermal Credit Trading: Methods for Quantifying Thermal Credits by Dupuis, Smesrud, Wirz & Primozych \(TWR #52: June 15, 2008\)](#)

[Wetlands Delineation: New Corps Guidance \(TWR #52, Water Briefs: June 15, 2008\)](#)

[Mississippi River Nutrients: Gulf Dead Zone \(TWR #53, Water Briefs: July 15, 2008\)](#)

[Wetlands Penalty Agreement in South Dakota: Illegal Fill Results in Clean Water Act Violations \(TWR #56, Water Briefs: October 15, 2008\)](#)

[Wetlands Violation & Agreement in North Dakota: Unauthorized Dredge & Fill \(TWR #57, Water Briefs: November 15, 2008\)](#)

[Wetlands Revised Guidance: Clean Water Act Scope and Jurisdiction \(TWR #58, Water Briefs: December 15, 2008\)](#)

[California Water Supply: Challenges and Solutions by Dr. Cat Shrier \(TWR #59: Jan. 15, 2009\)](#)

[Wetlands Enforcement in Idaho: Restoration Ordered by EPA \(TWR #61, Water Briefs: March 15, 2009\)](#)

[Clean Water Act Enforcement: Illegal Discharge to Creek and Wetlands Results in Compliance Order in Wyoming \(TWR #62, Water Briefs: April 15, 2009\)](#)

[Wetlands: US/Mexico Joint Treatment Project \(TWR #63, Water Briefs: May 15, 2009\)](#)

[Balancing Resource Protection & Economic Development: An Early Assessment of Emerging Water Policies in the Obama Administration by Sensiba & Swenson \(TWR #66: August 15, 2009\)](#)

[Clean Water Act Settlement-Nevada: Union Pacific Agreement Includes \\$31 Million Restoration & \\$800,000 Penalty \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Irrigation Canal Piping: Conservation Project \\$5.6 Million Grant by Ecology in Washington \(TWR #66, Water Briefs: August 15, 2009\)](#)

[Mercury Contamination in Fish: USGS Nationwide Study \(TWR #67: September 15, 2009\)](#)

[Wetland Banking: New Mitigation Rule in Washington \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Clean Water Act Enforcement in Colorado: River/Wetlands Damage Agreement \(TWR #70, Water Briefs: Dec. 15, 2009\)](#)

[Klamath Settlement Agreements: Part II by Glen Spain \(TWR #71: Jan. 15, 2010\)](#)

[Desalination Pilot Run: Yuma Desalting Plant \(TWR #71, Water Briefs: Jan. 15, 2010\)](#)

[Wetland Grants: EPA Development Grants Program \(TWR #72, Water Briefs: Feb. 15, 2010\)](#)

[Wetland Mitigation Bank in Washington: New Rules/New Bank \(TWR #73, Water Briefs: March 15, 2010\)](#)

[Clean Water Act Enforcement in Alaska: Wetlands and Streams Damaged \(TWR #78, Water Briefs: Aug. 15, 2010\)](#)

[Water Resources & Environment - Legislative Update from Washington, D.C.: Conversations with Ryan C. Seiger, Staff Director for the US House Subcommittee on Water Resources and Environment by Joan Card \(TWR #80: Oct. 15, 2010\)](#)

[California Natural Resources Agency Releases Second State of the State's Wetlands Report \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Clean Water Act Enforcement - Gravel Mining Impacts Wetlands in Colorado \(TWR #81, Water Briefs: Nov. 15, 2010\)](#)

[Wetlands Violations & EPA Enforcement: Large Penalty and Restoration Ordered in Montana \(TWR #86, Water Briefs: April 15, 2011\)](#)

[Wetlands Protection in Washington: Court Upholds Ecology Efforts \(TWR #86, Water Briefs: April 15, 2011\)](#)

[Federal Wetlands Jurisdiction: New Post-*Rapanos* Guidance - Longer Federal Reach, Less Certainty by Glick and Gelardi \(TWR #87: May 15, 2011\)](#)

[Reclaimed Water & Water Rights Impairment: Draft Reclaimed Water Rules in Washington State by Dave Monthie \(TWR #89: July 15, 2011\)](#)

[Identifying Waters Protected by the Clean Water Act - Comment Period Extended \(TWR #89, Water Briefs: July 15, 2011\)](#)

[Water Resources Regulation & Development: Groundwater, Floodplains, and "Waters of the United States" by Robert D. Anderson \(TWR #91: Sept. 15, 2011\)](#)

[Gulf Coast Restoration: EPA Ecosystem Strategy Released \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Wetlands Grants & Migratory Birds Acquisitions Made by Department of Interior \(TWR #92, Water Briefs: Oct. 15, 2011\)](#)

[Wetlands Decline: USFWS Report on Status & Trends - 2004-2009 \(TWR #93, Water Briefs: Nov. 15, 2011\)](#)

[Environmental Markets: Using Environmental Markets to Expand the Pace and Scale of Restoration by Alan Horton and Marley Gaddis \(TWR #94: Dec. 15, 2011\)](#)

[USDA Conservation Reserve Program \(CRP\) General Signup \(TWR #96, Water Briefs: Feb. 15, 2012\)](#)

[Army Corps Nationwide Permits & CWA 401 Water Quality Certification: New NWPS Become Effective This Month by Merritt Frey \(TWR #97: March 15, 2012\)](#)

[Enhanced Conservation Reserve Program \(CRP\) Announced \(Grasslands & Wetlands\) \(TWR #97, Water Briefs: March 15, 2012\)](#)

[Sackett v. EPA: U.S. Supreme Court Opens Door to Pre-Enforcement Review by Richard M. Glick \(TWR #98: April 15, 2012\)](#)

[Wetlands Grants: Conservation & Habitat Grants from Dept. of Interior \(TWR #100, Water Briefs: June 15, 2012\)](#)

[Wetland Delineations: New Wetland Plant List Available from US Army Corps of Engineers \(TWR #101, Water Briefs: July 15, 2012\)](#)

[Tribal Water Bank Developed for River Deltas' Wetlands in Washington \(TWR #102, Water Briefs: August 15, 2012\)](#)

[New Restoration Program for Streams and Wetlands in Montana \(TWR #110, Water Briefs: April 15, 2013\)](#)

["Waters of the US" - Clean Water Act Jurisdiction Rule: Connectivity of Streams & Wetlands Report Released \(TWR #116, Water Briefs: Oct. 15, 2013\)](#)

[NOAA Awards Funding for Coastal Habitat Restoration Projects \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[U.S. & Mexico Water Sharing: Background and Recent Developments - Edited/Condensed from Congressional Research Service \(TWR #118, Dec. 15, 2013\)](#)

[Wetlands Restoration: New Re-Excavation Method Successful According to Texas A&M AgriLife Extension Service \(TWR #119, Water Briefs: Jan. 15, 2014\)](#)

[California Water Action Plan Released \(TWR #120, Water Briefs: Feb. 15, 2014\)](#)

[Clean Water Act Jurisdiction - Proposed Rule Released \(TWR #122, Water Briefs: April 15, 2014\)](#)

[Texas Water Law: Litigation & Legislative Update by Shauna Fitzsimmons and Brian Sledge \(TWR #123: May 15, 2014\)](#)

["Waters of the US" Definition: Comment Period Open \(TWR #123, Water Briefs: May 15, 2014\)](#)

[Los Angeles River Ecosystem Restoration Study \(TWR #124, Water Briefs: June 15, 2014\)](#)

[Waters of the U.S. Rule: EPA Clarification, Webinar & Extended Comment Period \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Mining & Fisheries: EPA Proposal for Bristol Bay, Alaska \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Reclaimed Wastewater Guidance in Washington for Local Governments \(TWR #126, Water Briefs: Aug. 15, 2014\)](#)

[Wetlands Settlement in California: CWA Violations/Penalties \(TWR #127, Water Briefs: Sept. 15, 2014\)](#)

[Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen \(TWR #129: Nov. 15, 2014\)](#)

[2015 Five Star/Urban Waters Restoration Program: EPA Grant Program RFP \(TWR #129: Water Briefs, Nov. 15, 2014\)](#)

[Restoration Funding: 2015 Five Star/Urban Waters Restoration Program \(TWR #130: Water Briefs, Dec. 15, 2014\)](#)

[Fracking Settlement-Fill Material Discharges: Civil Penalty and Restoration in Clean Water Act Case \(TWR #131: Water Briefs, Jan. 15, 2015\)](#)

[Water Investments: Principles, Requirements & Guidelines for Federal investments Released \(TWR #131: Water Briefs, Jan. 15, 2015\)](#)

[EPA Enforcement & Compliance Report for 2014 \(TWR #133, Water Briefs: March 15, 2015\)](#)

[Municipal Landfill Redevelopment: From Legacy Landfill to Watershed-Protective Sports Stadium in Astoria, Oregon by Stacy J. Frost and Neil R. Alongi \(TWR #138, August 15, 2015\)](#)

[“Waters of the US” Definition: Preliminary Injunction Stops Application of New EPA/Army Corps Rule by David Moon \(TWR #139, Sept. 15, 2015\)](#)

[EPA & Water Sector Innovations: Interview with Jeffrey Lape, Deputy Director of EPA’s Office of Science & Technology - Conducted by Jakob Wiley](#)

(TWR #140: Oct. 15, 2015)

Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson (TWR #141: Nov. 15, 2015)

“National Wetland Condition Assessment” - West Conditions Lag (TWR #141, Water Briefs: Nov. 15, 2015)

Mitigation of Injury to Water Rights: Law & Strategies in Idaho by Christopher Meyer (TWR #142: Dec. 15, 2015)

Reclaimed Water Enhanced Water Supply - Brightwater Recycled Water: New water, New Solutions for the Sammamish River by Jacque Klug (TWR #143: January 15, 2016)

EPA Enforcement and Compliance Report for 2015 Released (TWR #143, Water Briefs: Jan. 15, 2016)

Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart (TWR #144: Feb. 15, 2016)

Improving the Federal Response to Drought: Five Areas for Reform - PPIC Water Policy Center Report (TWR #144, Water Briefs: Feb. 15, 2016)

Habitat Purchase: Transfer of Land to Tulalip Tribes (TWR #144, Water Briefs: Feb. 15, 2016)

Office of Inspector General's Report on EPA's Actions & Decision on Alaska's Bristol Bay Watershed (TWR #144, Water Briefs: Feb. 15, 2016)

Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors (TWR #145: March 15, 2016)

CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors (TWR #146: April 15, 2016)

Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a “Values-based” Impairment Standard Would Create Further Problems by Dan Von Seggern (TWR #146: April 15, 2016)

WETLAND TREATMENT:

Dixie Drain Phosphorus Removal: City of Boise Project by Erika Malmen (TWR #129: Nov. 15, 2014)

Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill (TWR #134: April 15, 2015)

“WET WATER”:

Gila Water Storage: Innovative Banking Creates “Long-Term Storage Credits” - Gila River Water Storage LLC and Christa McJunkin (TWR #130: Dec. 15, 2014)

WHITEWATER COURSES:

Colorado Whitewater Courses and Water Rights by Kenneth W. Knox (TWR #30: August 15, 2006)

WHOOPING CRANES:

The Aransas Project v. Shaw: Does Texas Water Law Provide Enough Water for Whooping Cranes? by Melinda E. Taylor (TWR #110: April 15, 2013)

Texas ESA Decision on Whooping Crane Protection Draws Rebuttals: TCEQ & Texas Farm Bureau Weigh In (TWR #110, Water Briefs: April 15, 2013)

Texas Permitting Rules Upheld: Whooping Cranes Lawsuit Reversed (TWR #125, Water Briefs: July 15, 2014)

Federal ESA Decisions: Return of *Sweet Home* in Texas Whooping Crane Case by Richardson, Weinberg, Wang & Fansler (TWR #126: Aug. 15, 2014)

Whooping Crane ESA Case: Fifth Circuit Refuses to Reconsider ESA "Take" Challenge by David Moon (TWR #131: Jan. 15, 2015)

Whooping Cranes ESA Case: Supreme Court Declines Review - TCEQ Issuance of Water Permits Stands (TWR #137, Water Briefs: July 15, 2015)

Water Markets & Water Transfers in Texas by Steve Kosub (TWR #140: Oct. 15, 2015)

WILDFIRES:

FIRE & RAIN: Issues & Concerns Following the Incidence of Fires in the Western US by Michael Harding (TWR #140: Oct. 15, 2015)

Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues (TWR #145, Water Briefs: March 15, 2016)

WILD & SCENIC RIVERS:

Snake River Adjudication - Wild & Scenic Water Rights Settled (TWR #7, Water Briefs: Sept. 15, 2004)

Sustainable Water Use: Historic Purchase to Preserve Basin Integrity (TWR #140, Water Briefs: Oct. 15, 2015)

War and Peace Over the Niobrara River by Don Blankenau (TWR #142: Dec. 15, 2015)

WILDLIFE REFUGES:

Agricultural Water Measurement Regulation: Final Regulations Adopted in California (TWR #102, Water Briefs: August 15, 2012)

Klamath Basin Restoration Agreement Terminates Due To Lack of Timely Authorizing Legislation - What's What & What's Next by Paul S. Simmons (TWR #143: January 15, 2016)

WILLAMETTE RIVER BASIN:

[Climate Change Report on Oregon's Willamette Valley: Reclamation Reservoirs Buffer Impacts \(TWR #143, Water Briefs: Jan. 15, 2016\)](#)

WIND DEVELOPMENT:

[Northwest Hydropower & Fish: Columbia River Basin Salmon Recovery Efforts Update by F. Lorraine Bodi \(TWR #104: Oct. 15, 2012\)](#)

[Conservation in the Mountain West Survey Announced by Colorado College: Key Public Lands Issues \(TWR #145, Water Briefs: March 15, 2016\)](#)

WINE PRODUCTION:

[Arizona Water Supply: Closing the Water Demand-Supply Gap in Arizona by Eden, Ryder & Capehart \(TWR #144: Feb. 15, 2016\)](#)

[“WINTERS” RIGHTS / WINTERS DOCTRINE:](#) See also Tribal Water Rights

[Tribal Water Leasing: Federal Tribal Land Leasing Laws Should Be Extended to Tribal Water Leases by Ryan A. Smith \(TWR #125: July 15, 2014\)](#)

[The *Winters* Doctrine & Tribal Groundwater: *Agua Caliente Band of Cahuilla Indians v. Coachella Valley Water District et al.* by David Moon \(TWR #134: April 15, 2015\)](#)

[Federal Water Policy & Indian Water Rights Settlements by L. Michael Bogert \(TWR #138, August 15, 2015\)](#)

[Arches National Park Water Rights: Settlement of Federal Reserved Water Right Claims by Greer & Johnson \(TWR #141: Nov. 15, 2015\)](#)

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

WITHDRAWAL OF WATER:

[USGS Releases "Estimated Freshwater Withdrawals in Washington, 2010 Report" \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Instream Flows & the Public Interest: Washington State Permit with Mitigation Conditions Overturned by Moon \(TWR #141: Nov. 15, 2015\)](#)

[Living Within Our Water Means: Protecting Instream Resources in Washington by Dan Von Seggern \(TWR #145: March 15, 2016\)](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

WOOD PRODUCTS:

[Stormwater Management Innovations: Washington Port Facilities Creatively Respond to Stringent Stormwater Regulations by Deonne Knill \(TWR #134: April 15, 2015\)](#)

WOOD WASTE:

Wood Waste & Water: Washington State's New Wood Waste Cleanup Push by Thiele, Steding & Hermann (TWR #39: May 15, 2007)

WYOMING WATER LAW and WATER QUALITY:

Montana - Wyoming Water Fight Brewing? (TWR #4, Water Briefs: June 15, 2004)

Montana - Wyoming Talk Continue: Yellowstone Compact Discussions (TWR #5, Water Briefs: July 15, 2004)

Montana/Wyoming Update: Yellowstone River Compact (TWR #6, Water Briefs: Aug. 15, 2004)

Untapping Tribal Waters: Tribal Water Marketing Expanding by Clay J. Landry and Christina Quinn (TWR #35: January 15, 2007)

Interstate Compact Lawsuit: *Montana v. Wyoming* (TWR #36, Water Briefs: February 15, 2007)

Montana v. Wyoming: Interstate Compact Battle Over Water Rights (TWR #38, Water Briefs: April 15, 2007)

Interstate Compact Lawsuit: US Brief Filed in Montana and Wyoming Water Right Conflict (TWR #48, Water Briefs: February 15, 2008)

Coalbed Methane Water Case Dismissed and Appealed in Wyoming (TWR #53, Water Briefs: July 15, 2008)

Streamflows in the Rocky Mountain West: Strategies to Protect and Restore "Environmental Flows" by Lawrence J. MacDonnell (TWR #56: October 15, 2008)

Montana v. Wyoming: U.S. Supreme Court to Hear Yellowstone Compact Case by Karen Budd-Falen (TWR #57: November 15, 2008)

Clean Water Act Enforcement: Illegal Discharge to Creek and Wetlands Results in Compliance Order in Wyoming (TWR #62, Water Briefs: April 15, 2009)

Climate Change & Water Rights: Impact of Earlier Snowmelt - Rights & Administration by Kenney, Klein, Goemans, Alvord & Shapiro (TWR #63: May 15, 2009)

Yellowstone River Compact: *Montana v. Wyoming*-Special Master Rules on Water Rights Issues & Denies Motion to Dismiss by Moon (TWR #65: July 15, 2009)

Coalbed Methane Produced Groundwater: A Survey of Western Water Law Regulation by Sarah A. Klahn & Jack Tuholske (TWR #77: July 15, 2010)

Hydraulic Fracturing: Wyoming Approves Regulations Governing Disclosure of Chemicals (TWR #79, Water Briefs: Sept. 15, 2010)

Water Right Purchases in Nebraska: Platte River Enhancement (TWR #85, Water Briefs: March 15, 2011)

Wyoming Streamflow Restoration: History, Update & Current Strategies by Scott Yates (TWR #86: April 15, 2011)

Irrigation Efficiency: Conserved Water & Return Flow - Supreme Court Decision in *Montana v. Wyoming* (TWR #87, Water Briefs: May 15, 2011)

Integrating Water and Land Use Planning Strategies to Bridge the Governance Gap by Sarah Bates (TWR #88: June 15, 2011)

[Endangered Rivers List: Natural Gas Drilling in Wyoming \(TWR #88, Water Briefs: June 15, 2011\)](#)

[Colorado River Basin Supply & Demand Study](#) by Carly Jerla, Terry Fulp, and Pam Adams (TWR #90: August 15, 2010)

[Irrigation to Instream in Wyoming: Change to State-Owned Water Rights Sets Precedent \(TWR #94, Water Briefs: Dec. 15, 2011\)](#)

[Fracking Investigation of Groundwater Contamination to Continue in Wyoming \(TWR #98, Water Briefs: April 15, 2012\)](#)

[Oil & Gas Lease Buyout in the Hoback - Wyoming: Trust for Public Land Purchases Private Leases \(TWR #105, Water Briefs: Nov. 15, 2012\)](#)

[Drilling Leases Purchased by Trust for Public Lands for Conservation \(TWR #107, Water Briefs: January 15, 2013\)](#)

[North Platte Regulation to Protect Storage Rights in Wyoming: Priority Administration in Effect \(TWR #109, Water Briefs: March 15, 2013\)](#)

[Fracking Disclosure: Trade Secrets Protected in Wyoming \(TWR #110, Water Briefs: April 15, 2013\)](#)

[Arizona v. California](#) Digital Collection Debuted at William A. Wise Law Library (CU) (TWR #117, Water Briefs: Nov. 15, 2013)

[Riparian Restoration in Wyoming: Coordinated Resource Management - Livestock Grazing Practices \(TWR #121, Water Briefs: March 15, 2014\)](#)

[Wyoming Water Plan - Comment Period \(TWR #125, Water Briefs: July 15, 2014\)](#)

[Yellowstone River Compact Decision: Special Master Ruling in *Montana v. Wyoming* by David Moon \(TWR #132: Feb. 15, 2015\)](#)

[Wyoming's Water Strategy: State Water Planning \(TWR #133, Water Briefs: March 15, 2015\)](#)

[The Wyoming Water and Climate Web Atlas Released \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Oil Spill Settlement to Resolve CWA Violations Announced in Wyoming \(TWR #138, Water Briefs: August 15, 2015\)](#)

[Tribal Groundwater Resources: Management Considerations Under Current Law by Christopher Payne \(TWR #146: April 15, 2016\)](#)

[Fracking Report Clarification \(TWR #146, Water Briefs: April 15, 2016\)](#)

[Stock Pond Permit Settlement: EPA & Landowners Settle Clean Water Act Lawsuit \(TWR #148, Water Briefs: June 15, 2016\)](#)

[XL PIPELINE:](#)

[Crude Oil-By-Rail & the Endangered Species Act: Coming Soon to Train Tracks Near You? by Kristen L. Boyles \(TWR #136: June 15, 2015\)](#)

[YAKIMA BASIN:](#)

[Yakima River Basin Water Storage Feasibility Study EIS: Black Rock Dam Economically Unjustifiable \(TWR #59, Water Briefs: Jan. 15, 2009\)](#)

[River Basin Studies: Reclamation Program \(TWR #68, Water Briefs: Oct. 15, 2009\)](#)

[Tribal Water Rights: Current Issues & Relevant Background by Robert T. Anderson \(TWR #77: July 15, 2010\)](#)

[Key Tribal Water Developments in the Pacific Northwest by Duane Mecham \(TWR #83: Jan. 15, 2011\)](#)

[Northwest Water Banking: Meeting Instream and Out of Stream Water Needs in the Pacific Northwest by Cronin & Fowler \(TWR #102: August 15, 2012\)](#)

[Yakima River Basin Integrated Water Plan: Strange Bedfellows Take Risks, Find Common Ground by Malloch & Garrity \(TWR #106: Dec. 15, 2012\)](#)

[Yakima Water Plan: The Other Side of the Story by Evans, Forsgaard, Maykut & Packard \(TWR #108: Feb. 15, 2013\)](#)

[Author's Reply \(Yakima Water Plan\) by Steve Malloch and Michael Garrity \(TWR #108: Feb. 15, 2013\)](#)

[Interview of Maia Bellon, Director of the Washington State Dept. of Ecology by Chris Pitre \(TWR #114: August 15, 2013\)](#)

[Acquavella Update: Washington's 36-Year Old Water Rights Adjudication Nears An End by Jeff Kray \(TWR #115: Sept. 15, 2013\)](#)

[Community Forest: Yakima Basin Land Purchase Key Step in Yakima Basin Integrated Plan \(TWR #117, Water Briefs: Nov. 15, 2013\)](#)

[Water Resource Infrastructure: History, Present Issues, and Future Needs by Eric Buer \(TWR #127: Sept. 15, 2014\)](#)

[Benefit-Cost Analysis of the Yakima Basin Integrated Plan Projects \(TWR #131: Water Briefs, Jan. 15, 2015\)](#)

[Yakima River Basin Integrated Plan: Implementing Basin-Scale Water Management & Climate Adaptation by Malloch & Garrity \(TWR #135: May 15, 2015\)](#)

[Yakima Basin Integrated Plan Benefit-Cost Analysis: An Appeal for Evidence-Based Discourse About Washington's Water Research Center Study of the Yakima Basin Integrated Plan by Jonathan Yoder \(TWR #135: May 15, 2015\)](#)

[Authors' Responses: Yakima River Basin Integrated Plan \(TWR #135: May 15, 2015\)](#)

[Reverse Auction for Leasing Instream Flow in Washington \(TWR #135, Water Briefs: May 15, 2015\)](#)

[Flow Restoration During Severe Drought: Washington Enters Uncharted Territory by Amanda E. Cronin \(TWR #139, Sept. 15, 2015\)](#)

[Groundwater Declines Due to Intensive Irrigation: USGS Columbia Plateau Aquifer Study \(TWR #140, Water Briefs: Oct. 15, 2015\)](#)

[YELLOWSTONE RIVER:](#)

[Oil Spill Fine in Montana: ExxonMobil Petition for Reconsideration Rejected \(TWR #137, Water Briefs: July 15, 2015\)](#)

[YUMA DESALTING PLANT:](#)

[Yuma Desalting Plant Pilot Program Started/ DROP 2 Storage Reservoir Celebration \(TWR #75, Water Briefs: May 15, 2010\)](#)

[Yuma Desalting Plant: Reclamation Completes Pilot Run \(TWR #86, Water Briefs: April 15, 2011\)](#)

[Colorado River Management: Planning, Agreeing & Acting by Ted Kowalski \(TWR #107: January 15, 2013\)](#)

[ZERO TOLERANCE STANDARD \(see also DE MINIMUS STANDARD\):](#)

[Washington's Water Availability Train Wreck: Potential Legislative & Regulatory Solutions by Thomas Pors \(TWR #145: March 15, 2016\)](#)

[CELP's Status Quo Defense is Disingenuous: Failure to Engage in Productive Solutions Perpetuates Problems by Thomas Pors \(TWR #146: April 15, 2016\)](#)

[Two Wrongs Don't Make a Water Right: Washington's Waters are Already Over-Allocated - Use of a "Values-based" Impairment Standard Would Create Further Problems by Dan Von Seggern \(TWR #146: April 15, 2016\)](#)

[ZINC:](#)

[Mining Violations & Clean Water Act Settlement in Idaho \(TWR #137, Water Briefs: July 15, 2015\)](#)

[Bioretention Performance: Pacific Northwest Study Identifies Problems & Solutions by Ahearn, Hinman, Lenth & Rheume \(TWR #139, Sept. 15, 2015\)](#)