

Day 1 – October 24

- A. COURSE INFORMATION
 - 01 – AK Week-at-a-Glance Schedule
 - 02 – AK Course Goal, Objectives, Target Audience
 - 03 – Detailed Presentation Schedule
 - 04 – Roster of Participants
 - 05 – Biographies: Presenters & Course Design Cadre

- B. UNDERSTANDING BASIC CONCEPTS & PROCEDURES OF ALASKA STATE APPROPRIATIVE WATER SYSTEM
 - Introduction to Alaska Water Rights – Presentation

- C. UNDERSTANDING FEDERAL RESERVED WATER RIGHTS
 - Introduction to Federal Reserved Water Rights – Presentation
 - Reference Material
 - 01 – FWS Settlements
 - 1 Red Rock Lakes National Wildlife Refuge & Wilderness Area Compact
 - 2 Charles M Russell National Wildlife Refuge Compact
 - 3 Leadville National Fish Hatchery Decree
 - 02 – NPS Settlements
 - 1. Glacier NP Water Rights Compact
 - 2. MT Compact Glacier NP Briefing
 - 3. Zion NP Water Rights Agreement
 - 03 – USFS Settlements
 - 1. Bighorn-Shoshone National Forests Reserved Rights Decree (administrative uses only)
 - 2. Pike National Forest Reserved Rights Decree (instream and administrative uses)
 - 3. Rio Grande-Gunnison National Forests Reserved Rights Decree (instream and administrative uses)
 - 04 – W&SR Settlements
 - 1. Cache la Poudre W&SR
 - 2. Rio Chama W&SR
 - 3. Missouri W&SR Compact
 - 4. Salmon W&SR Partial Decree
 - 05 – Historical Documents – AK Federal Reserved Water Rights: State/Federal Work Group & Indian River Adjudication history related to basin-wide adjudication under FRWR and AK Law

- D. INTRODUCTION TO CASE STUDY and Day 1, 2 and 3 Exercises

Day 2 – October 25

- E. ALASKA DEPARTMENT OF NATURAL RESOURCES (DNR)
 01 – State Appropriative System – Obtaining a Right for Consumptive/Non-Consumptive Uses
 02 – State Appropriative System – Obtaining a Right for a Reservation of Water
 03 – Technical Information – DNR Website
 04 – Working Relationship between the Federal Agencies and DNR
 05 – CASE STUDY (continued) - Exercise
 Reference Material
 01 – Example: Certificate of Reservation
 02 – Example: Certificate – Well
 03 – Example: Certificate – Spring
 04 – Example: Certificate – Reservoir
 05 – 2013 Annual Report

Day 3 – October 26

- F. DEVELOPING AGENCY-WIDE WATER RIGHTS STRATEGIES – Panel
 Outline for Panel Discussion
 Reference Material
 01 – Roles of Agency Personnel & Legal Counsel
 02 - The Witness Guidebook
- G. FEDERAL AGENCY BREAK-OUT SESSIONS
 Outline for Agency Break-Out Sessions Discussion
- **Bureau of Land Management**
 BLM Guidance
 01 - BLM MS 7250: Water Rights Manual
 02 – Congressionally Designated Special Management Areas
 03 – Instream Flow Water Rights for BLM in Alaska (2012)
 BLM Reserved Rights
 01 - BLM Federal Reserved Water Rights - Alaska
 02 – Wild & Scenic Rivers Act – Water Rights Language
 - **U.S. Forest Service**
 USFS Guidance
 01 – Organic Act of 1897 Summary
 02 – Multiple Use & Sustained Yield Act of 1960 Summary
 03 – FSM 2540: Water Uses and Development
 04 – FSM 2540, Sec 2541 Direction – Reserved Rights Claimed under the Organic Act of 1897
 05 – Dates of Acquisition: Chugach NF Proclamation Index
 06 – Dates of Acquisition: Tongass NF Proclamations Index
 07 – Congressionally Designated Special Management Areas

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PARTICIPANT NOTEBOOK TABLE OF CONTENTS

08 – Region 10 Water Supply Systems Database

USFS Reserved Rights

01 - USFS Federal Reserved Water Rights- Alaska

02 – Admiralty Island National Monument Proclamation

03 – Misty Fjords National Monument Proclamation

04 – USFS Wilderness Designations in ANILCA

05 – USFS Wilderness Designations – Tongass Timber Reform Act

06 – Wilderness Act – Water Rights Language

07 – Wilderness Act Purposes

U.S. Fish and Wildlife Service

FWS Guidance

01 – FWM 083 – Part 403 FW 1 – Water Rights

02 – FWM 083 – Part 403 FW 2 – Water Rights

03 – Public Law 105

04 – Section 404 – CWA

FWS Reserved Rights

01 – Status of FRWR for Alaska Wildlife Refuges

02 – Wilderness Act – Water Rights Language

03 – Wilderness Act Purposes

- **National Park Service**

NPS Guidance

01- Director's Order 35A

02- Director's Order 35B

03- Water Rights Program Brief 2013

04- PM 77-1 – Wetland Protection

05- Management Policies 2006

NPS Reserved Rights

01 – NPS Federal Reserved Water Rights - Alaska

02 – Wild & Scenic Rivers Act – Water Rights Language

H. TECHNICAL WORKSHOP 1: OBTAINING & MANAGING STATE RIGHTS

01 – Field Data for Water Right Applications

Reference Material

Field Preparation

01 – Water Source Inventory

02 – Sources of Information for Locating Sources

03 – FWS Pre-Field Trip Office Tasks

Field Inventory & Monitoring Forms

01 – AK Class Field Inventory Form

02 – FWS Forms

01 – Discharge Measurement Notes; Surface WQ Field Notes

02 – ADCP Discharge Measurement Notes

03 – Discharge Measurement Notes – Ice Cover

04 – Surface WQ Field Notes

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- 05 – Peg Test of Engineers Level
- 06 – Wire Weight & Photo Note Sheet
- 03 – NPS Forms
 - 01 – 2015 SWAN Freshwater Monitoring Narrative
 - 02 – 2015 SWAN Freshwater Monitoring SOP
- Calculations & Miscellaneous*
 - 01 – Alaska Standard Beneficial Use Amounts
 - 02 – Conversions and Equations
 - 03 – BLM H1741-2 – Water Developments
 - 04 – Common Methods of Measuring Water
 - 05 – Capacities of Cylindrical Tanks
 - 06 – How to Calculate Stockpond Volumes
- 02 – Generating a Water Rights Application – Exercise
 - Reference Material*
 - 01 – Science Center Well Inventory Form
 - 02 – Field Exercise Map & Photos
- 03 – Land Use Authorizations for Third Party Water Users
 - Presentation
 - Reference Material*
 - Formal Agency Guidance:*
 - 01 – ANILCA Part 36 – Transportation & Utility Systems
 - 02 – BLM Handbook 2801 – Dams & Reservoirs ROW
 - 03 – USFS Handbook 2709.11 – Terms & Conditions
 - 04 – FWS ROW Regulations 50 CFR Section 29
 - 05 – NPS Director's Order 35A – Sale or Lease of Park Resources
 - Supplemental References:*
 - 06 – USFS Region 3 Water Development Manual Supplement
 - 07 – USFS GW Technical Guide
 - 08 – USFS Sample Ditch Operation & Maintenance Plan
 - 09 – Sample ROW Decision – Kane Springs Valley GW Dev Project
 - 10 – US Court of Appeals Decision – Washoe County
 - Interior Board of Land Appeals Water Development Decisions:*
 - 11 – IBLA Grant Hacking Decision
 - 12 – IBLA King's Meadow Ranches Decision
 - 13 – IBLA Eugene Vogel Decision
 - 14 – IBLA George W. Philp Decision
 - 15 – IBLA Lederhause Decision
- 04 – Water Rights in Land Tenure Adjustments
 - Presentation
 - Reference Material*
 - Alaska State Guidance:*
 - 01 – AK Statutes – Change of Ownership of Water Rights
 - 02 – DNR form: Transfer of Ownership
 - Overall Federal Guidance:*

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03 – Section 1302 of ANILCA – Acquisition Authority

BLM Guidance:

04 – BLM Land Exchange Handbook, H-2200-1

05 – Acquisition Process Checklist (BLM AZ)

Forest Service Guidance:

06 – FSH 5409.13, Chapter 30

07 – FSH 5409.13, Chapter 32.45

08 – Region 3 Acquisition Checklist

FWS Guidance:

09 – 403FW3 – Acquisition & Protection

10 – WR Determination Procedures

11 – WR Determination SOP 2011

12 – Example WR Determination Checklist

NPS Guidance:

13 – Director's Order 35A

General Guidance Examples:

14 – Warranty Deed with Water Rights

15 – Special Warranty Deed Water Rights Only

16 – Quit Claim Deed Water Rights Only

Conservation Easements and Water:

17 – Overview of CE and Water

18 – Conservation Easements and Water Rights

19 – Example: Cosumnes River – Permitted Uses

20 – Example: Cosumnes River – Prohibited Uses

21 – Land Trusts and Water (Bates)

05 – CASE STUDY (continued) - Water Rights in Lands Actions Exercise

Day 4 – October 27

I. TECHNICAL WORKSHOP 2: INSTREAM FLOW AND LAKE PROTECTION

01 – Obtaining Instream Flow Reservations: A USFWS Case Study Uganik R.
Presentation

Reference Material

01 – Uganik River Instream Flow Reservation Decision Document

02 – Attachment C – FWS Instream Flow Analysis Process

03 – FWS Justification Winter Flow Requirements

02 – Alaska Dept. of Fish & Game Perspective on Reservations of Water

Reference Material

01 – DNR Instream Flow Fact Sheet

02 – Surface Water Data Manual

03 – Review/Analysis of Methods for Quantifying Instream Flow
Requirements - Estes & Orsborn 1986

04 – Instream Flow Protection in the West

05 – Opportunities to Protect Instream Flows in Alaska - White 1982

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- 06 – Instream Flow References
- 07 – Russian River Application
- 08 – Russian River Certificate LAS 28751
- 09 – Russian River Decision LAS 28751
- 03 – South Fork Campbell Creek Exercise & Campbell Creek Exercise Attachments
 - Reference Material
 - 01 – Campbell Creek, South Fork Reservation of Water Application
 - 02 – Campbell Creek, South Fork Reservation of Water Certificate
 - 03 – Campbell Creek, South Fork Reservation of Water Decision
- 04 – DNR Technical Review Process for Reservation Applications Presentation
 - Reference Material
 - 01 – Certificate – Meadow Creek Reach A, LAS 11975
- 05 – Evolution of Alaska’s Reservation of Water Program and Future Challenges & Opportunities Presentation
 - Reference Material
 - 01 – Estes and Harle 1987
 - 02 – Anderson 1991
 - 03 – Interagency Water Data Issues Work Group Report - 1992
 - 04 – Harle & Estes 1993. Instream Flow Protection in the West
 - 05 – Spence Review 1996
 - 06 – 2002 MOU Instream Flow Applications & Adjudications DNR-DFG
 - 07 – 2009 Reaffirm DNR-DFG Interagency Coordination Agreement 1989
 - 08 – 2016 Krieger Alaska Hydrography Database
 - 09 – USGS-EPA Final Assoc. of Fish & Wildlife Agencies Letter 06-16-2016
- 06 - Working Together on Instream Flow Reservations – Panel Outline for Instream Flow Reservation Panel Discussion
- J. WATER RIGHTS GLOSSARY & REFERENCES
 - 01 – Alaska Glossary
 - 02 – Alaska References
- K. POST-COURSE DOCUMENTS (all documents can be found on Google Drive and will be posted on the ARLIS website after the post-course materials are assembled and updated)
 - Revised Table of Contents (to include all post-course documents)
 - Daily Introduction Power Point Presentations
 - Photos from Course including Class Photo
 - **Day 1 – Monday**
 - Course Introduction – Presentation by Management, John Trawicki, FWS
 - Section D: Introduction to Case Study
 - Case Study Exercise 1 – Class Responses to Exercise Questions

- **Day 2 – Tuesday**
 - Section E: Department of Natural Resources (DNR)
 - Question & Answer Session with DNR – Notes
- **Day 3 – Wednesday**
 - Section F: Developing Agency-Wide Water Rights Strategies
 - Panel Discussion Notes
 - Section G: Federal Agency Break-Out Sessions
 - BLM Guidance
 - BLM Alaska Reservations of Water Application Status
 - Agency Break-out Notes – BLM, USFS, FWS, NPS
- **Day 4 – Thursday**
 - Section I: Instream Flow and Lake Level Protection
 - Subsection 01 – FWS Case Study – Uganik River
 - Revised Presentation 2016-10-27
 - Subsection 04 – DNR Technical Review Process for Reservation Apps
 - Revised Presentation 2016-10-26
 - Subsection 05 - Evolution of AK's Reservation Program and Future Challenges and Opportunities (Estes)
 - Revised Presentation 2016-10-27
 - Subsection 06 – Panel on Working Together on Instream Flow and Lake Level Reservations
 - Instream Flow Reservation Panel Notes
- **Day 5 – Friday**
 - Facilitated Discussion of Participant Topics/Issues – Notes
- **Section J: Water Rights Glossary and References**
 - Subsection 02 – Alaska References – Additional Reference Material
 - Revised Alaska References Links (as of 12-15-2016)
 - Additional documents:
 - Alaska Water Rights Fact Sheet
 - Use of State Instream Flow Laws for Federal Lands (Amos)
 - Guide to Accessing DNR Records (Kennedy, BLM)
 - AK Water Use Act & Dam Safety Statutory/Regulatory Definitions
 - PNP Hatchery Regulations, Water Rights & Reservations of Water Requirements Summary
 - Indian River AK FRWR Summary – March 1989 ASCE Newsletter