

9.0 REFERENCES

- 3PPI (Three Parameters Plus, Inc.). 2011a. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 5: Soils–Bristol Bay Drainages. December 9.
- 3PPI and HDR (Three Parameters Plus, Inc., and HDR Alaska, Inc.). 2011a. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 13, Vegetation, Bristol Bay Drainages. September 8.
- 3PPI and HDR 2011b. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 14, Wetlands and Waterbodies, Bristol Bay Drainages. September 8.
- 16 USC (United States Code) Ch. 31. Marine Mammal Protection From Title 16, Conservation. Sections 1361 to 1423h.
- 55 FR (Federal Register) 49204. 1990. Listing of Steller Sea Lion as Threatened Under the Endangered Species Act. Final Rule. National Marine Fisheries Service. November 26.
- 58 FR 45269. 1993. Designated Critical Habitat; Steller Sea Lion. Final Rule. National Marine Fisheries Service. August 27.
- 62 FR 24345. 1997. Listing Rule: Endangered Status for Steller Sea Lion Western Distinct Population Segment. National Marine Fisheries Service. May 5.
- 62 FR 31748. 1997. Endangered and Threatened Wildlife and Plants; Threatened Status for the Alaska Breeding Population of the Steller's Eider. Final Rule. US Fish and Wildlife Service. June 11.
- 65 FR 13262. 2000. Endangered and Threatened Wildlife and Plants; Proposed Designation of Critical Habitat for the Steller's Eider. US Fish and Wildlife Service. Proposed Rule. March 13.
- 65 FR 34590. 2000. Designating the Cook Inlet, Alaska, Stock of Beluga Whale As Depleted Under The Marine Mammal Protection Act (MMPA). May 31.
- 66 FR 8850. Federal Register – Endangered and Threatened Wildlife and Plants; Final Determination of Critical Habitat for the Alaska-Breeding Population of the Steller's Eider. DOI; Fish and Wildlife Services, Vol. 66, No. 23. February 2.
- 71 FR 14836. 2006. Endangered and Threatened Wildlife and Plants: Announcement of Initiation of a Status Review of the Cook Inlet Beluga Whale under the Endangered Species Act (ESA). National Marine Fisheries Service. March 24.
- 72 FR 19854. 2007. Endangered and Threatened Species: Proposed Endangered Status for the Cook Inlet Beluga Whale. National Marine Fisheries Service. April 20.
- 72 FR 31132. 2007. Protection of Eagles; Definition of “Disturb.” Final Rule. US Fish and Wildlife Service. 50 CFR Part 22. June 4.
- 73 FR 19000. Endangered and Threatened Species; Designation of Critical Habitat for North Pacific Right Whale. Final Rule. National Oceanic and Atmospheric Administration. Vol. 73, No. 68. April 8, 2008.
- 73 FR 60173. Endangered fish and wildlife. Final rule to implement speed restrictions to reduce the threat of ship collisions with North Atlantic right whales. Federal Register, 2008.
- 73 FR 62919. 2008. Endangered and Threatened Species; Endangered Status for the Cook Inlet Beluga Whale. National Marine Fisheries Service. October 22.

- 74 FR 51988. 2009. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Southwest Alaska Distinct Population Segment of the Northern Sea Otter. US Fish and Wildlife Service. October 8.
- 76 FR 20180. 2011. Critical Habitat Designation for the Cook Inlet Beluga Whale. National Marine Fisheries Service. April 11.
- 77 FR 49922. Takes of Marine Mammals Incidental to Specified Activities; Taking Marine Mammals Incidental to Marine Seismic Survey in the Beaufort and Chukchi Seas, Alaska. 2012. National Oceanic and Atmospheric Administration. National Marine Fisheries Service. August 17.
- 78 FR 53391. 2013. Endangered and Threatened Wildlife; 90-Day Finding on a Petition to Delist the North Pacific Population of the Humpback Whale and Notice of Status Review. National Marine Fisheries Service. August 29.
- 78 FR 66139. 2013. Endangered and Threatened Species; Delisting of the Eastern Distinct Population Segment of Steller Sea Lion Under the Endangered Species Act; Amendment to Special Protection Measures for Endangered Marine Mammals, National Marine Fisheries Service. November 4.
- 81 FR 62260. 2016. Endangered and threatened Species; Identification of 14 Distinct Population Segments of the Humpback Whale (*Megaptera novaengliae*) and Revision of Species-Wide Listing. National Marine Fisheries Service. September 8.
- 81 FR 91494. 2016. Eagle Permits; Revisions to Regulations for Eagle Incidental Take and take of Eagle Nests. Final Rule. USFWS. December 16.
- 82 FR 22099. 2017. Takes of Marine Mammals Incidental to Specified Activities; Taking Marine Mammals Incidental to Conducting Subsea Cable Operations and Maintenance Activities in the Arctic Ocean. National Marine Fisheries Service, National Oceanic and Atmospheric Administration, Commerce. No. 91. May.
- 84 FR 54354. 2019. Endangered and Threatened Wildlife and Plants: Proposed Rule To Designate Critical Habitat for the Central America, Mexico, and Western North Pacific Distinct Population Segments of Humpback Whales. National Marine Fisheries Service. October 9.
- AASHTO (American Association of State Highway and Transportation Officials). 2020. Store: Transportation Publications and Online Training. Accessed January 7.
- Abdel-Shafy and Mansour. 2016. (Abdel-Shafy, H. I., and M. S. Mansour. 2016.) A review on polycyclic aromatic hydrocarbons: source, environmental impact, effect on human health and remediation. Egyptian Journal of Petroleum 25(1):107–123.
- ABR (Alaska Biological Research). 2019a. Field Summary Report—Pebble Project Area Marine Wildlife Survey March 23-24 2019. Prepared for Pebble Limited Partnership. April 2.
- ABR. 2019b. Field Summary Report for May 24 Survey—Pebble Project Area Marine Wildlife Survey. Prepared for Pebble Limited Partnership. June 27.
- ABR. 2019c. Field Summary Report for 20-21 June Survey—Pebble Project Area Marine Wildlife Survey. Prepared for Pebble Limited Partnership. July 17.
- ABR. 2019d. Pebble Project Eagle Nest Survey at Proposed Bridge Crossings of the Newhalen River. Prepared for Pebble Limited Partnership. October 15.

- ABR. 2019e. Pebble Project Eagle Nest Distribution Near the Proposed Port Access Road Bridge Crossing of the Gibraltar River. Prepared for Pebble Limited Partnership. December 5.
- ABR. 2019f. Pebble Maine Wildlife Surveys 2019. Prepared for Pebble Limited Partnership. December 16.
- ABR. 2018a. Image Analysis Preliminary Summary Report Project: Pebble Project Area Iliamna Lake Ice Study. August 1.
- ABR. 2018b. Field Summary Report for the Pebble Project Area Marine Wildlife Surveys covering April 15–19, 2018. June 19.
- ABR. 2018c. Field Summary Report for the Pebble Project Area Marine Wildlife Surveys covering April 28–May 3, 2018. June 19.
- ABR. 2018d. Field Summary Report for the Pebble Project Area Marine Wildlife Surveys covering May 14–19, 2018. July 5.
- ABR. 2018e. Field Summary Report for the Pebble Project Area Marine Wildlife Surveys covering June 12–14, 2018. June 18.
- ABR. 2018f. Field Summary Report for the Pebble Project Area Marine Wildlife Surveys covering July 7–11, 2018. July 17.
- ABR. 2018g. Pebble Project Area Waterbird Surveys, September 4–6, 2018. October 1.
- ABR. 2018h. Pebble Project Area Waterbird Surveys, October 6, 2018. October 19.
- ABR. 2018i. Pebble Project Area Landbird and Shorebird Surveys, June 1–8, 2018. July 17.
- ABR. 2018j. Landbird and Shorebird Surveys in the South Access Road Corridor, Pebble Project, 2018. Surveys Conducted in June 2018. December 4.
- ABR. 2018k. Pebble Project Area Coastal Bear Surveys on May 20, May 28, and July 2, 2018. October 28.
- ABR. 2018l. Pebble Project Area Raptor Nesting Surveys July 12–14, 2018. October 16.
- ABR. 2018m. Pebble Project Area Caribou Surveys on May 28–29, 2018. June 14.
- ABR. 2018n. Pebble Project Area Caribou Surveys on October 7, 2018. October 19.
- ABR. 2018o. Pebble Project Area Bear Surveys of Salmon Streams, July 14–15, August 16–18, and September 7–8, 2018. October 28.
- ABR. 2018p. Bear Den Suitability Mapping in Potential Transportation Corridors for the Proposed Pebble Mine. Draft Report. December 4.
- ABR. 2015a. Pebble Project Supplemental Environmental Baseline Document 2004 through 2012. Chapter 16: Wildlife and Habitat—Mammals.
- ABR. 2015b. Pebble Project Supplemental Environmental Baseline Data Report (2004-2012)—41.2. Wildlife and Habitat—Mammals.
- ABR. 2015c. Pebble Project Supplemental Environmental Baseline Document 2004 through 2012. Chapter 44: Marine Wildlife.
- ABR. 2013a. Pebble Project Supplemental Environmental Baseline Document 2004 through 2012. Section 41.3: Raptor Nest Platform Surveys.

- ABR. 2013b. Pebble Project Supplemental Environmental Baseline Document 2004 through 2012. Section 41.4: Wildlife and Habitat—Waterbirds.
- ABR. 2011a. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 16: Wildlife and Habitat Bristol Bay Drainages. July 26.
- ABR. 2011b. Pebble Project Environmental Baseline Document 2004 through 2008 Chapter 17. Threatened and Endangered Species and Species of Conservation Concern. Bristol Bay Drainages.
- ABR. 2011c. Pebble Project Environmental Baseline Document. 2008 through 2008 (with updates in 2010). Chapter 41: Terrestrial Wildlife and Habitat, Cook Inlet Drainages. July 25.
- ABR. 2011d. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 44: Marine Wildlife, Cook Inlet Drainages. June 21.
- ABR. 2011e. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 45: Threatened and Endangered Species and Species of Conservation Concern, Cook Inlet Drainages.
- ABR. 2007. Environmental Research and Services (ABR, Inc.); Sigma Plus, Statistical Consulting Services; Stephen R. Braund & Associates; and Kuukpiik Subsistence Oversight Panel, Inc. 2007. Variations in the Abundance of Arctic Cisco in the Colville River; Analysis of Existing Data and Traditional Knowledge, Volumes I and II. Prepared for the US Department of the Interior, Minerals Management Service Alaska OCS Region, Anchorage, AK. Technical Report No. MMS 2007-42.
- Abrahamson et al. 2018. (Abrahamson, Norman, Nicolas Kuehn, Zeynep Gulerce, Nicholas Gregor, Yousef Bozorgnia, Grace Parker, Jonathan Stewart, Brian Chiou, I. M. Idriss, Kenneth Campbell, and Robert Youngs. 2018.) Update of the BC Hydro Subduction Ground-motion Model Using the NGA-Subduction Dataset. Pacific Earthquake Engineering Research Report No. 2018/2. June.
- Abrahamson et al. 2016 (Abrahamson, Norman, Nicholas Gregor, and Kofi Addo. 2016). BC Hydro Ground Motion Prediction Equations for Subduction Earthquakes. Earthquake Spectra: February 2016, Vol. 32, No. 1, pp. 23-44.
- Abrahamson, M. 2011. The Bristol Bay Region: Area Relies on Fishing, Synthesis of Modern, and Traditional. Alaska Economic Trends. November.
- ACCS (Alaska Center for Conservation Science). 2018a. Conservation Dataset for Rare Plant Occurrences. Available: <http://accs.uaa.alaska.edu/conservation-data>.
- ACCS. 2018b. Alaska Exotic Plants Information Clearinghouse database. Available: <http://aknhp.uaa.alaska.edu/apps/akepic/>. Accessed January 16, 2019.
- ACCS. 2011a. Lambsquarters, *Chenopodium album* L. Alaska Natural Heritage Program, University of Alaska, Anchorage. February 7.
- ACCS. 2011b. Reed canarygrass, *Phalaris arundinacea* L. Alaska Natural Heritage Program, University of Alaska, Anchorage. February 8.
- ACCS. 2011c. Orange Hawkweed, *Hieracium aurantiacum* L. Meadow hawkweed, *Hieracium casepitosum* Dumort. Alaska Natural Heritage Program, University of Alaska, Anchorage. February 7.
- ACCS. 2011d. Canadian waterweed, *Elodea canadensis* Michx. Alaska Natural Heritage Program, University of Alaska, Anchorage. February 28.

- ACHP (Advisory Council on Historic Preservation). 2018. Meeting the "reasonable and good faith" identification standard in Section 106 review.
- Adams et al. 2007. (Adams, P. N., P. Ruggiero, G. C. Schoch, and G. Gelfenbaum. 2007). Intertidal sand body migration along a megatidal coast, Kachemak Bay, Alaska. *Journal of Geophysical Research: Earth Surface*, 112(F2).
- ADCCED (Alaska Department of Commerce, Community, and Economic Development). 2018. Alaska Taxable 2017, Municipal Taxation, Rates and Policies, and Full Value Determination Supplement. Available: <https://www.commerce.alaska.gov/dcra/DCRARepoExt/RepoPubs/Taxable/2017-AlaskaTaxableSupplement.pdf>.
- ADCCED. 2018b. Research & Analysis. Division of Community & Regional Affairs. Available: <https://www.commerce.alaska.gov/web/dcra/ResearchAnalysis.aspx>. Accessed May 14, 2018.
- ADCCED. 2017. Community: Homer. Available: <https://www.commerce.alaska.gov/dcra/DCRAExternal/community/Details/9c16b6f1-1486-4cf4-a1ff-21a74ecd4967>. Accessed May 8, 2018.
- ADEC (Alaska Department of Environmental Conservation). 2020a. DRINKING WATER SOURCE PROTECTION AREAS MAP. Date Accessed: 1/17/2020. Available: <https://dec.alaska.gov/eh/dw/dwp/protection-areas-map/>.
- ADEC. 2019a. Contaminated Sites-Community Database. State of Alaska. Accessed November 8.
- ADEC. 2019b. Air Permit Program. Division of Air Quality. Accessed December 23.
- ADEC. 2018. Technical Memorandum: Guidance for Evaluating Metals at Contaminated Sites. August 2018. ADEC, Division of Spill Prevention and Response, Contaminated Sites Program.
- ADEC. 2018a. Village Safe Water Program. Available: <https://dec.alaska.gov/water/village-safe-water>. Accessed March 2018.
- ADEC. 2018b. 18 AAC 70 Water Quality Standards as Amended April 6, 2018. Register 226. Division of Water. Juneau, AK.
- ADEC. 2018c. Division of Air Quality Air Permit Program—Permit Information; Industrial Data Summary 031318.xlsx. Available: <http://dec.alaska.gov/air/mainair.htm>. Last revised January 1, 2017. Accessed March 2018.
- ADEC. 2018d. Contaminated Sites. Division of Spill Prevention and Response. Available: <http://dec.alaska.gov/spar/csp.aspx>. Accessed March 2018.
- ADEC. 2018f. Drinking Water Watch. Available: <http://dec.alaska.gov/dww/>.
- ADEC. 2018g. ArcGIS—Drinking Water Protection Areas. Available: <http://www.arcgis.com/home/webmap/viewer.html?webmap=13ed2116e4094f9994775af9a62a1e85>.
- ADEC. 2018h. PPR Spills Database Search. Division of Spill Prevention and Response. Available: <https://dec.alaska.gov/Applications/SPAR/PublicMVC/PERP/SpillSearch>.
- ADEC. 2018i. Prevention and Emergency Response Program. Division of Spill Prevention and Response.
- ADEC. 2017a. 18 AAC 75 Oil and Other Hazardous Substances Pollution Control. Department of Environmental Conservation. November 7.

- ADEC. 2017b. Guidance on Developing Conceptual Site Models. Division of Spill Prevention and Response Contaminated Sites Program. January.
- ADEC. 2016a. State of Alaska 2015 Ambient Air Quality Network Assessment. November.
- ADEC. 2016c. Alaska Pollutant Discharge Elimination System General Permit for Discharges from Large and Small Construction Activities (Construction General Permit)—Final, Permit Number: AKR-100000. Available: <https://dec.alaska.gov/water/wastewater/stormwater/construction>. Accessed September 4, 2018.
- ADEC. 2012c. 18 AAC 80 Drinking Water. Amended August 20, 2012.
- ADEC. 2013d. Sediment Quality Guidelines (SQG). Technical Memorandum. July.
- ADEC. 2011. Amendments to: State Air Quality Control Plan, Vol. II: Analysis of Problems, Control Actions, Section III.K: Areawide Pollutant Control Program for Regional Haze. February 11.
- ADEC. 2010. Alaska's Climate Change Strategy: Addressing Impacts in Alaska. Final Report Submitted by the Adaption Advisory Group to the Sub-Cabinet. January 27.
- ADEC. 2008a. Alaska Water Quality Criteria Manual for Toxic And Other Deleterious Organic and Inorganic Substances. December 12.
- ADEED (Alaska Department of Education and Early Development). 2018. District Enrollment by Grade as of October 1, 2017. Available: <https://education.alaska.gov/stats/DistrictEnrollment/2018DistrictEnrollment.pdf>. Accessed March 2018.
- Adelfio et al. 2018. (Adelfio, L. A., S. M. Wondzell, N. J. Mantua, and G. H. Reeves. 2018). Warm winters reduce landscape-scale variability in the duration of egg incubation for Coho Salmon (*Oncorhynchus kisutch*) on the Copper River Delta, Alaska. Canadian Journal of Fisheries and Aquatic Sciences, (999), 1-14.
- ADF&G (Alaska Department of Fish and Game). 2020. Draft 2019 Bristol Bay Area Annual Management Report Selected Tables, Personal Communication, Alaska Department of Fish and Game, March 24, 2020.
- ADF&G. 2019a. Commercial Fishing by Area: Cook Inlet. Available: <https://www.adfg.alaska.gov/index.cfm?adfg=commercialbyareacookinlet.main>.
- ADF&G. 2019b. Winter Conditions Increase Moose-Vehicle Collision Risks. Press Release. January 14.
- ADF&G. 2019e. Mulchatna Caribou Hunt Bag Limit Changes to One Caribou. Division of Wildlife Conservation. August 22.
- ADF&G. 2018a. McNeil River State Game Sanctuary Annual Management Report 2017. Written by T. M. Griffin and E. W. Weiss.
- ADF&G. 2018b. McNeil River State Game Sanctuary and Refuge: Area Overview. Available: <http://www.adfg.alaska.gov/index.cfm?adfg=mcneilriver.main>. Accessed March 24, 2018.
- ADF&G. 2018c. McNeil River State Game Sanctuary and Refuge: During Your Stay. Available: <http://www.adfg.alaska.gov/index.cfm?adfg=mcneilriver.stay>. Accessed March 24, 2018.
- ADF&G. 2018d. Alaska Sport Fishing Survey. Available: <https://www.adfg.alaska.gov/sf/sportfishingsurvey/index.cfm?ADFG=area.results>.

- ADF&G. 2018e. McNeil River State Game Sanctuary and Refuge: Permits. Available: <http://www.adfg.alaska.gov/index.cfm?adfg=mcneilriver.permits>. Accessed March 20, 2018.
- ADF&G. 2018f. Transporter Access Permits. Available: http://www.adfg.alaska.gov/index.cfm?adfg=viewingpermits.mcneil_transporter. Accessed March 24, 2018.
- ADF&G. 2018h. Fishing in Alaska. Available: <http://www.adfg.alaska.gov/index.cfm?adfg=fishing.main>. Accessed March 22, 2018.
- ADF&G. 2018i. Wood Frog Monitoring Program. Available: <http://www.adfg.alaska.gov/index.cfm%3Fadfg%3Dcitizenscience.woodfrog>. Accessed May 10, 2018.
- ADF&G. 2018j. Commercial Salmon Fisheries: Bristol Bay Management Area. 2011–2017 data. Available: <http://www.adfg.alaska.gov/index.cfm?adfg=commercialbyareabristolbay.salmon#fishcounts>. Accessed March 2018.
- ADF&G. 2018k. Commercial Fisheries: Home Page and Commercial Fishing Links. Available: <http://www.adfg.alaska.gov/index.cfm?adfg=fishingCommercial.main>.
- ADF&G. 2018l. Welcome to the Community Subsistence Information System: CSIS. State of Alaska. Available: <https://www.adfg.alaska.gov/sb/CSIS/index.cfm?ADFG=main.home>. Accessed October 12, 2018.
- ADF&G. 2018m. Prepared by T. Elison, P. Salomone, T. Sands, G. Buck, K. Sechrist, and D. Koster. 2018. 2017 Bristol Bay Annual Management Report. Fishery Management Report No. 18-11, Anchorage.
- ADF&G. 2018o. Kachemak Bay—Critical Habitat Area. Available: <http://www.adfg.alaska.gov/index.cfm?adfg=kachemakbay.main>. Accessed December 4, 2018.
- ADF&G. 2018p. Our Agency: Mission. Available: <http://www.adfg.alaska.gov/index.cfm?adfg=about.mission>. Accessed January 16, 2019.
- ADF&G. 2018q. Agency Comments on the Preliminary Draft Environmental Impact Statement, Sections 3.6 and 4.6. December 28, 2018.
- ADF&G. 2018r. Annual Report to the Alaska Board of Game on Intensive Management for Caribou with Wolf Predation Control in Game Management Units 9B, 17B&C, and 19A&B, the Mulchatna Caribou Herd. Prepared by the Division of Wildlife Conservation. February.
- ADF&G. 2018s. Cooperating Agency Review ADFG Comments. ADF&G comments on Draft Section 3.23.
- ADF&G. 2018t. 2019 Bristol Bay Sockeye Salmon Forecast. Alaska Department of Fish and Game. November 9, 2018. Sourced at <https://www.adfg.alaska.gov/index.cfm?adfg=commercialbyareabristolbay.main>.
- ADF&G. 2018u. Fish Species Information. Available: <https://www.adfg.alaska.gov/index.cfm?adfg=animals.listfish>.
- ADF&G. 2018v. Food Security and Wild Resource Harvests in Alaska. July. Available: http://www.adfg.alaska.gov/static/home/subsistence/pdfs/food_security_whitepaper.pdf.
- ADF&G. 2018w. Commissioner Cotten Addresses King Salmon Closures and Restrictions in Northern Cook Inlet. Office of the Commissioner. March 15.

- ADF&G. 2018x. Commercial Fishing Reporting: Statewide Commercial Operator's Annual Reports. Available: https://www.adfg.alaska.gov/index.cfm?adfg=fishlicense.coar_production_byarea.
- ADF&G. 2017c. 2017–2020 Cook Inlet Area Commercial Salmon Fishing Regulations. Available: http://www.adfg.alaska.gov/static/regulations/fishregulations/pdfs/commercial/2017_2020_cf_cook_inlet_salmon.pdf.
- ADF&G. 2017d. Alaska Sport Fishing Database [internet]. 1996--. Anchorage, AK: Alaska Department of Fish and Game, Division of Sport Fish. Available: <http://www.adfg.alaska.gov/sf/sportfishingsurvey/>.
- ADF&G. 2016a. 2016 Kenai River King Salmon Sport Fishing and Upper Cook Inlet Commercial Fishing Outlook. News Release. July 1. Available: <http://www.adfg.alaska.gov/sf/eonr/index.cfm?adfg=region.nr&nrid=2286&year=2016>.
- ADF&G. 2015a. Alaska Wildlife Action Plan. Juneau, AK.
- ADF&G. 2015b. Northern Alaska Peninsula Caribou Herd Update. Tier II Hunt to Reopen in 2016.
- ADF&G. 2014. Annual Report to the Alaska Board of Game on Intensive Management for Caribou with Wolf Predation Control in Game Management Units 9B, 17B&C, and 19A&B, the Mulchatna Caribou Herd.
- ADF&G. 2008a. McNeil River State Game Sanctuary Annual Management Report. Written by Thomas M. Griffin and Edward W. Weiss.
- ADF&G. 2008c. Matanuska-Susitna Valley & West Cook Inlet King Salmon. Northern Cook Inlet Recreational Fishing Series. Southcentral Region, Division of Sport Fish. Available: <http://www.adfg.alaska.gov/static-sf/Region2/pdfpubs/MatSuKingSalmon.pdf>. Accessed September 2018.
- ADF&G. 2005. Streambank Revegetation and Protection: A Guide for Alaska.
- ADF&G. 1985. Alaska Habitat Management Guide, Southwest Region Map Atlas. Division of Habitat, Juneau, AK.
- ADF&G. n.d. Alaska's Economy and Subsistence. Division of Subsistence.
- ADHSS (Alaska Department of Health and Social Services). 2018. 2016–2017 Influenza Season Data (12 months).
- ADHSS. 2017a. Health Analytics and Vital Records: Alaska Resident Leading Causes of Death—Top Ten by Year (2012–2016).
- ADHSS. 2017b. Tuberculosis in Alaska, 2012–2016. State of Alaska Epidemiology Bulletin. Department of Health and Social Services. Bulletin No. 9. April 11.
- ADHSS. 2017c. Alaska Facts and Figures: Preliminary Leading Causes of Hospitalizations—Top Ten (2016).
- ADHSS. 2015. Technical Guidance for Health Impact Assessment In Alaska. State of Alaska Health Impact Assessment Program, Department of Health and Social Services. Version 2.0.
- ADL (Arthur D. Little Inc.). 2001. Sediment Quality in Depositional Areas of Shelikof Strait and Outermost Cook Inlet. OCS Study, MS-2000-024, Anchorage, AK: US Department of the Interior, Minerals Management Service, Alaska Outer Continental Shelf Region.

- ADLWD (Alaska Department of Labor and Workforce Development). 2018a. Bristol Bay Fishing and Seafood Industry Data. Available: <http://live.laborstats.alaska.gov/seafood/seafoodbristol.cfm>.
- ADNR (Alaska Department of Natural Resources). 2020. State of Alaska PFEIS comments. Prepared for USACE. March 23.
- ADNR. 2019a. DNR Land Records, Land Estate, Easements. GIS Data. Alaska State Geo-Spatial Data Clearinghouse. Available: <http://www.asgdc.state.ak.us/>.
- ADNR. 2019b. Cook Inlet Oil and Gas Activity. State of Alaska, Department of Natural Resources, Division of Oil and Gas. September.
- ADNR. 2018a. Well Log Tracking System (WELTS). Available: <https://dnr.alaska.gov/welts/#show-welts-intro-template>. Accessed August 10, 2018.
- ADNR. 2018b. Alaska Mapper—Navigable Water. Available: <http://dnr.alaska.gov/mapper/controller?gsid=5624BC5CCC85F56CB7F146EB3E44A29D.tomcat-91> Accessed November 2018.
- ADNR. 2018d. Cook Inlet SPCS Pipeline/Unit Reference Map. State Pipeline Coordinators Section, May 2018. May 1.
- ADNR. 2018f. Application for Water Right. Division of Mining, Land and Water Resources Section.
- ADNR. 2018g. Re: Notice of Violations of the Alaska Water Use Act, Dam Safety Statutes and Pertinent Regulations at Greens Creek Mine. State of Alaska Department of Natural Resources Correspondence. Attn: Mr. Keith Malone. February 26.
- ADNR. 2018h. Permitting Large Mine Projects in Alaska. January.
- ADNR. 2017a. Guidelines for Cooperation with the Alaska Dam Safety Program. Prepared by Dam Safety and Construction Unit, Water Resources Section. Division of Mining, Land and Water. July 28.
- ADNR. 2017b. Permitting Large Mine Projects in Alaska. Alaska Department of Natural Resources Office of Project Management and Permitting.
- ADNR. 2016. Water Well Log—Anchor Point. August 8.
- ADNR. 2015. Fact Sheet: Production Royalty. Division of Mining, Land & Water. June. Available: http://dnr.alaska.gov/mlw/factsht/mine_fs/producti.pdf.
- ADNR. 2014a. Early Entry Authorization. Division of Mining, Land and Water. Permit No. ADL 230795. April 10.
- ADNR. 2014c. An Overview: The Process for Large Mine Permitting in Alaska. Office of Project Management and Permitting. July.
- ADNR. 2013a. Bristol Bay Area Plan for State Lands. Adopted April 2005, revised September 2013. Division of Mining, Land and Water Resource Assessment and Development Section.
- ADNR. 2013b. ANCSA 17(b) Easements Information. Division of Mining, Land and Water. Available: <http://dnr.alaska.gov/mlw/trails/17b/>. Accessed March 21, 2018.
- ADNR. 2011. Fact Sheet: Generally Allowed Uses on State Land. Division of Mining, Land, and Water. August.
- ADNR. 2008. Fact Sheet: Land for Alaskans. December.

- ADNR. 2006. 11 AAC 97.200. Land Reclamation Performance Standards. Available: <http://www.touchngo.com/lglcntr/akstats/aac/title11/chapter097/section200.htm>. Last modified July 5, 2006. Accessed May 22, 2018.
- ADNR. 2005. Nushagak and Mulchatna Rivers Recreation Management Plan: A Component of the Bristol Bay Area Plan. Division of Mining, Land and Water, Resource Assessment.
- ADNR. 2005b. Guidelines for Cooperation with the Alaska Dam Safety Program. Prepared by Dam Safety and Construction Unit. June 30.
- ADNR. 2001. Kenai Area Plan. Division of Mining, Land and Water Resource Assessment and Development Section.
- ADNR. 1990. Bristol Bay Easement Atlas. Division of Land & Water. May.
- ADOL (Alaska Department of Labor and Workforce Development). 2019. Department of Labor and Workforce Development Research and Analysis website: Alaska Local and Regional Information. Available: <http://live.laborstats.alaska.gov/alari/index.cfm?r=6&b=16&p=141&goplace=go>. Accessed March 2018.
- ADOL. 2017a. Alaska Economic Trends, The Cost of Living. July.
- ADOL. 2017b. Preliminary Third Quarter Employment and Wages: July–September 2017. Available: <http://live.laborstats.alaska.gov/qcew/>. Accessed March 2018.
- ADOL. 2016. Alaska Population Projections 2015 to 2045. April.
- ADOL. 2008. Alaska Economic Trends, The Cost of Living in Alaska. July.
- ADOT&PF (Alaska Department of Transportation and Public Facilities). 2018a. Alaska Department of Transportation & Public Facilities Report. Legislative Session 2018, Updated January 2018.
- ADOT&PF. 2018b. Alaska Traffic Counts—AADT. Available: <http://akdot.maps.arcgis.com/home/webmap/viewer.html?webmap=7c1e1029fdb64d7a86449d55ef05e21c&extent=-179.9757,56.131,-121.8361,70.8937>. Accessed March 22, 2018.
- ADOT&PF. 2016. Best Management Practices (BMP) Guide for Erosion & Sediment Control. Available: <http://www.dot.state.ak.us/stwddes/desenviron/resources/stormwater.shtml>. Accessed September 4, 2018.
- ADR (Alaska Department of Revenue). 2020. Annual Report 2018. Alaska Department of Revenue Tax Division. Revised date January 6, 2020. Accessed January 2020, available at: <http://www.tax.alaska.gov/programs/programs/reports/AnnualReport.aspx?Year=2018>.
- ADR. 2018. Fiscal Year 2017 Shared Taxes and Fees Annual Report. Available: <http://www.tax.alaska.gov/programs/documentviewer/viewer.aspx?1417r>.
- AECOM. 2019a. Probabilities of Transportation Spill Scenarios, Pebble Mine EIS. Technical Memorandum. January 5.
- AECOM. 2019b. Streamflow Change Resulting from Development of Proposed Pebble Mine. Technical Memorandum. January 11.
- AECOM. 2019h. Estimation of Particulate Deposition to Surface Water—Frying Pan Lake Mixing Model. Technical Memorandum. November 25.
- AECOM. 2019n. Pebble Project EIS—Bulk TSF Embankment Seismic Stability Analysis. December 13.

- AECOM. 2019o. Pebble Project EIS—Seepage Control and Prevention at Mine Sites. December 16.
- AECOM. 2019p. Pebble Project—Landslide-Generated Tsunami in Pit Lake. Technical Memorandum. December 16.
- AECOM. 2018c. Pebble Project Memo: Noise Concepts and Methodology. From Mark Storm, AECOM, to Bill Craig, AECOM. May.
- AECOM. 2018d. Pebble Project—Preliminary Estimation of Seiche Oscillation, Iliamna Lake. Technical Memorandum. May 25.
- AECOM. 2018f. Pebble Project—Review of Seismic Hazard Analysis. Technical Memorandum. September 17.
- AECOM. 2018g. Pebble Project—RFI 054 Technical Report Review. Technical Memorandum. September 24.
- AECOM. 2018h. Pebble Project Memo: Site Visit Notes from Discipline Leads, AECOM, to Bill Craig, AECOM. August.
- AECOM. 2018i. Pebble Project—Review of Water Treatment Approach. Technical Memorandum. October 25.
- AECOM. 2018j. Pebble Project—Preliminary Estimation of Seiche Oscillation, Pile Bay, Iliamna Lake. Technical Memorandum. October 23.
- AECOM. 2018k. EIS—Phase FMEA Workshop. AECOM Workshop Notes. October 24–25.
- AECOM. 2018l. Pebble EIS—Phase Failure Modes and Effects Analysis Workshop Report. Prepared for US Army Corps of Engineers, Alaska District. EIS—Phase FEMA Report. December.
- AECOM. 2018m. Pebble Project—Review of LIDAR Data for Evidence of Lake Clark Fault Activity. Technical Memorandum. November 6.
- AECOM. 2018o. Pebble EIS: Water-Focused Technical Meeting Notes. Meeting Notes. December 17.
- AECOM. 2018p. Pebble Project—Climate Change in the EIS. Technical Memorandum to USACE Re: Climate Change in the EIS. August 27, 2018.
- AECOM. 2018q. Pebble Project—Final Data Gap Analysis. Technical Memorandum to US Army Corps of Engineers Re: Final Data Gap Analysis. November 19.
- AELO (Angry Eagle Lodge & Outfitters). 2018. Exploring Southwest Alaska. Available: <http://www.angryeagle.com/recreation/hiking/>. Accessed October 8, 2018.
- Agler, B. A., S. J. Kendall, P. E. Seiser, and D. B. Irons. 1995. Monitoring Seabird Populations in Areas of Oil and Gas Development on the Alaskan Continental Shelf: Estimates of Marine Bird and Sea Otter Abundance in Lower Cook Inlet, Alaska during Summer 1993 and Winter 1994. Final Report. OCS Study MMS 94-0063. Anchorage, AK: US Fish and Wildlife Service. 124 pp.
- Agness et al. 2008. (Agness, A. M., J. F. Piaatt, J. C. Ha, and G. R. VanBlaricom. 2008.) Effects of vessel activity on the near-shore ecology of Kittlitz's murrelets in Glacier Bay, Alaska. *The Auk* 123:346–353.

- Agness, A. M. 2006. Effects and Impacts of Vessel Activity on Kittlitz's Murrelet (*Brachyramphus brevirostris*) in Glacier Bay, Alaska. University of Washington, School of Aquatic and Fishery Sciences.
- AHRS (Alaska Heritage Resources Survey). 2019. Alaska Heritage Resources Survey database. Managed by the Alaska Office of History and Archaeology.
- AHSO (Alaska Highway Safety Office). 2018. Fatality Analysis Reporting System (FARS). Available: <http://dot.alaska.gov/stwdplng/hwysafety/fars.shtml>. Accessed May 9, 2018.
- AirNav. 2019. PAKX, Wilder/Natwick LLC Airport, Port Alsworth, Alaska, USA. Available: <http://www.airnav.com/airport/PAKX>. Accessed August 12.
- AirNav 2018. PAIL, Iliamna Airport. Available: <http://www.airnav.com/airport/PAIL>. Accessed March 14, 2018.
- AirportIQ™ 5010. 2018. Airport Master Record and Reports. Available: <https://www.gcr1.com/5010web/airport.cfm?Site=ILI&AptSecNum=2>. Accessed September 2018.
- Alaska Journal (Alaska Journal of Commerce). 2002. Red Dog's New Trucks Keep Tight Seal on Dust. January 27. Available: <http://www.alaskajournal.com/community/2002-01-28/red-dogs-new-trucks-keep-tight-seal-dust#.XEvLuC7waos>.
- Albers et al. 2007. (Albers, P. H., M. T. Koterba, R. Rossmann, W. A. Link, J. B. French, R. S. Bennett, and W. C. Bauer. 2007.) Effects of methylmercury on reproduction in American kestrels. *Environmental Toxicology and Chemistry*. 26: 1856–1866.
- Alikhani et al. 2003. (Alikhani, A., H.F. Burcharth, N. Moadeli, and B. Sotoudeh. 2003. Design and construction of a caisson quay wall in the south pars port project. *Asian Journal of Civil Engineering, Building and Housing* Vol. 4, NOS 2-4, Pages 163-171.
- Allen, M. A. 2000. Seasonal microhabitat use by juvenile spring Chinook salmon in the Yakima River basin, Washington. *Rivers*, 7(4), 314-332.
- Allen and Angliss 2012. (Allen, B. M., and R. P. Angliss. 2012.) Alaska Marine Mammal Stock Assessments, 2011. US Department of Commerce, National Oceanic and Atmospheric Administration Technical Memorandum NMFS-AFSC-234. 297 pp.
- Allen and Angliss 2015. (Allen, B. M., and R. P. Angliss. 2015.) Alaska Marine Mammal Stock Assessments, 2014. US Department of Commerce, National Oceanic and Atmospheric Administration Technical Memorandum. NMFS-AFSC-301, 313 pp.
- Allen, B.M. and Angliss, R.P. 2014. Alaska Marine Mammal Stock Assessments, 2013. NOAA Technical Memorandum NMFS-AFSC-277. July, Allen, B. M. 1994. Holocene tephra and tsunami deposits along western Nushagak Bay, southwestern Alaska (abs.). *Geological Society of America Abstracts with Programs* 26(3):2.
- Allison and Allison. 2005. (Allison, J. D., and T. L. Allison. 2005.) Partition Coefficients for Metals in Surface Water, Soil, and Waste. EPA/600/R-05/074. Washington, DC: US Environmental Protection Agency, Office of Research and Development.
- Allison and Allison. 2005. Partition coefficients for metals in surface water, soil, and waste. Rep. EPA/600/R-05, 74.
- Almeida et al. 2002 (Almeida, J. A., Y. S. Diniz, S. F. G. Marques, L. A. Faine, B. O. Ribas, R. C. Burneiko, and E. L. B. Novelli. 2002). "The use of the oxidative stress responses as biomarkers in Nile tilapia (*Oreochromis niloticus*) exposed to in vivo cadmium contamination." *Environment International* 27(8): 673-679.

- Altarejos-García et al. 2015. (Altarejos-García, L., F. Silva-Tulla, I. Escuder-Bueno, and A. Morales-Torres. 2015.) Practical risk assessment for embankments, dams, and slopes. *Risk and Reliability in Geotechnical Engineering*, pp. 437-469.
- ANCOLD 2019. Guidelines on Tailings Dams- Planning, Design, Construction, Operation and Closure: Addendum. July.
- Anderwald et al. 2013. (Anderwald, P., A. Brandecker, M. Coleman, C. Collins, H. Denniston, M. D. Haberlin, M. O'Donovan, Visser F. Pinfield, and L. Walshe. 2013.) Displacement responses of a mysticete, an odontocete, and a phocid seal to construction related vessel traffic. *Endangered Species Research*, 21:231-240.
- Andrew, R. 2017. I Saw the Lake Iliamna Monster. The Delta Discovery. Available: <http://deltadiscovery.com/i-saw-the-lake-iliamna-monster/>. Last updated August 15, 2017. Accessed March 23, 2018.
- ANHB (Alaska Native Health Board). 2004. Final Report on the Alaska Traditional Diet Survey. The Alaska Traditional Diet Project, March 2004. Alaska Native Health Board, and Alaska Native Epidemiology Center.
- ANTHC (Alaska Native Tribal Health Consortium). 2018. About LEO Network: The Eyes, Ears, and Voice of Our Changing Environment. Available: <http://leonetwork.org/en/docs/about/about>.
- ANTHC. 2017a. Alaska Native Health Status Report—Second Edition. Alaska Native Epidemiology Center. August.
- ANTHC. 2017b. Statewide Data—Life Expectancy. Alaska Native Epidemiology Center. February 1.
- ANTHC. 2017c. Statewide Data—Dental Care. Alaska Native Epidemiology Center. January 10.
- ANTHC. 2017d. Statewide Data—Adult Tooth Loss. Dental Care. Alaska Native Epidemiology Center. January 10.
- ANTHC. 2017e. Statewide Data—Adult Mental Health. Dental Care. Alaska Native Epidemiology Center. January 10.
- ANTHC. 2017f. Statewide Data—Suicide Mortality. Dental Care. Alaska Native Epidemiology Center. February 1.
- ANTHC. 2017g. Statewide Data—Adult Binge Drinking. Dental Care. Alaska Native Epidemiology Center. January 10.
- ANTHC. 2017h. Statewide Data—Alcohol Abuse Mortality. Dental Care. Alaska Native Epidemiology Center. September 26.
- ANTHC. 2017i. Statewide Data—Leading Causes of Death. Dental Care. Alaska Native Epidemiology Center. September 26.
- ANTHC. 2017j. Statewide Data—Unintentional Mortality. Dental Care. Alaska Native Epidemiology Center. September 26.
- ANTHC. 2017k. Statewide Data—Chlamydia. Dental Care. Alaska Native Epidemiology Center. February 22.
- ANTHC. 2017l. Statewide Data—Gonorrhea. Dental Care. Alaska Native Epidemiology Center. February 22.

- ANTHC. 2017m. Statewide Data—Childhood Immunizations. Dental Care. Alaska Native Epidemiology Center. March 27.
- ANTHC. 2017n. Statewide Data—Rural Water & Wastewater Services. Dental Care. Alaska Native Epidemiology Center. February 22.
- ANTHC. 2017o. Statewide Data—Cancer Mortality. Dental Care. Alaska Native Epidemiology Center. February 1.
- ANTHC. 2017p. Statewide Data—Heart Disease Mortality. Dental Care. Alaska Native Epidemiology Center. February 1.
- ANTHC. 2017q. Statewide Data—COPD Mortality. Dental Care. Alaska Native Epidemiology Center. February 1.
- ANTHC. 2017r. Statewide Data—Adult Overweight. Dental Care. Alaska Native Epidemiology Center. January 10.
- ANTHC. 2017s. Statewide Data—Adult Obesity. Dental Care. Alaska Native Epidemiology Center. January 10.
- ANTHC. 2017t. Statewide Data—Adult Physical Activity. Dental Care. Alaska Native Epidemiology Center. January 10.
- ANTHC. 2017u. Statewide Data—Adult Current Smoking. Dental Care. Alaska Native Epidemiology Center. January 10.
- ANTHC. 2017v. Statewide Data—Adult Smokeless Tobacco Use. Dental Care. Alaska Native Epidemiology Center. January 10.
- ANTHC. 2016a. Statewide Data—Adequate Prenatal Care. Dental Care. Alaska Native Epidemiology Center. March 31.
- ANTHC. 2016b. Statewide Data—Infant Mortality Rate. Alaska Native Epidemiology Center. March 31.
- ANTHC. 2016c. Statewide Data—Teen Birth Rate. Alaska Native Epidemiology Center. March 31.
- ANTHC. 2016d. Statewide Data—Hospitalizations. Alaska Native Epidemiology Center. December 17.
- ANTHC. 2015. Statewide Data—Unintentional Injury Hospitalization. Alaska Native Epidemiology Center. May 22.
- APC (Alaska Peninsula Corporation). 2018. Who We Are. Available: <https://www.alaska-peninsulacorp.com/about>. Accessed April 1, 2018.
- Apgar-Kurtz, B. 2012. Factors Affecting Local Permit Ownership in Bristol Bay and an Evaluation of the BBEDC Loan Program: An Analysis of Based on Interviews with Local Residents. M.S. thesis, University of Washington.
- ARCADIS. 2013. Environmental Evaluation Document. Donlin Gold Project. Prepared for Donlin Gold. May.
- Arctos (Arctos Database). 2018. Collaborative Collection Management Solutions. Available: <https://arctos.database.museum/>.
- Argue, D. A. 2010. The Deepwater Horizon oil spill and seafood prices. Environmental Law Institute. Volume II 2010.

- Arimitsu, M., S. Schoen, J. Piatt, C. Marsteller, B. Heflin, and G. Drew. 2019. Status of Forage Fish and Seabirds in Lower Cook Inlet During Summer 2018 Progress Report. Unpublished report available from US Geological Survey, AK Science Center. 20 pp.
- Armes, C. J. 1996. Comparison of Holocene tsunami and modern storm-overwash deposits, northern Bristol Bay, southwestern Alaska (abs.). Geological Society of America Abstracts with Programs 28(3):35.
- Armstrong et al. 2010. (Wilson, L., J. Wilson, J. Holden, I. Johnstone, A. Armstrong, and M. Morris. 2010.) Recovery of water tables in Welsh blanket bog after drain blocking: discharge rates, time scales and the influence of local conditions. *Journal of Hydrology*, 391(3-4), 377-386.
- Armstrong et al. 2019. (Armstrong, M., R. Petter, and C. Petter. 2019.) Why have so many tailings dams failed in recent years?. *Resources Policy*, 63, 101412.
- Arnold, Cr. 2006. Risk Management Series: Designing for Earthquakes. A Manual for Architects, FEMA 454. December.
- ASCE (American Society of Civil Engineers). 2018. 2017 Alaska Infrastructure Report Card. Available: <https://www.infrastructurereportcard.org/state-item/alaska/>. Accessed March 2018.
- ASCE. 2018b. ASCE Tsunami Design Geodatabase. May 14.
- ASCE. 2017a. Minimum design loads and associated criteria for buildings and other structures. Reston, VA: American Society of Civil Engineers.
- ASCE. 2017b. ASCE 7-16 Tsunami Design Zone Maps for Selected Locations. Abstract available: <https://ascelibrary.org/doi/book/10.1061/9780784480748>.
- ASCE. 2014. Seismic Design of Piers and Wharves, prepared by the ASCE Standards Comm. on Seismic Design of Piers and Wharves. Reston, VA: ASCE.
- ASDGC. 2020. Water Well Drillers Log Tracking System (WELTS). Alaska Department of Natural Resources. Available: <http://www.asgdc.state.ak.us/#2924>. Accessed February 1.
- ASRC (ASRC Energy Services). 2017. Cultural Resources Desktop Study: Lake Iliamna Region. Prepared for Pebble Limited Partnership.
- Athey and Weldon. 2017. (Athey, J. E., and M. B. Weldon. 2017.) Alaska's Mineral Industry 2016. Alaska Division of Geological & Geophysical Surveys Special Report 72. Available: <http://doi.org/10.14509/29748>.
- Atkinson et al. 2009. (Atkinson, S., D. St. Aubin, and R. M. Ortiz. 2009.) Endocrine Systems. In *Encyclopedia of Marine Mammals*, eds. W. F. Perrin, B. Wursig, and J. G. M. Thewissen, 375–383. Salt Lake City, UT: Academic Press.
- Atkinson and Boore. 2003. (Atkinson, G. M., and D. M. Boore. 2003.) Empirical ground-motion relations for subduction-zone earthquakes and their application to Cascadia and other regions. *Bulletin of the Seismological Society of America*, 93(4), 1703-1729.
- Atlas et al. 1983. (Atlas, R. M., M. I. Venkatesan, I. R. Kaplan, R. A. Feely, R. P. Griffiths, and R. Y. Morita. 1983.) Distribution of hydrocarbons and microbial populations related to sedimentation processes in lower Cook Inlet and Norton Sound, Alaska. *Arctic* 36:251–261.

- ATSDR (Agency for Toxic Substances and Disease Registry). 1999. Mercury—Tox-FAQSTM. Available: <https://www.atsdr.cdc.gov/toxfaqs/tfacts46.pdf>.
- ATSDR. 1995. Toxicological Profile for Fuel Oils. US Department of Health and Human Services, ATSDR. June. Public Health Service.
- Au, W. W. L. 1993. The Sonar of Dolphins. *The Sonar of Dolphins*. Australia Acoustics. 32(2), 61–63.
- Au et al. 2000 (Au, W. W. L., A. N. Popper, and R. R. Fay. 2000.) Hearing by Whales and Dolphins. *Springer Handbook of Auditory Res.* Vol. 12. Springer-Verlag, New York, NY. 458 pp.
- Auerbach 1997. (Auerbach, N. A., M. D. Walker, and D. A. Walker. 1997.) Effects of roadside disturbance on substrate and vegetation properties in Arctic tundra. *Ecological Applications* 7(1):218–235.
- Ausenco (Ausenco Engineering). 2019a. Analysis of Amakdedori Wave and Current Measurements. Prepared for Pebble Limited Partnership. July 23.
- Ausenco 2019b. Metocean Study Report. Pebble Amakdedori Port Development. Prepared for Pebble Limited Partnership. November 26.
- Ausenco. 2018. Response to US Army Corps of Engineers RFI 065 Summer Only Ferry Operations. Pebble Project Port Site—Project Memorandum. Document Number 102101-04-MEM-004-RA. September 7.
- Australian Government Publishing Service. 1995. Sodium Ethyl Xanthate, Priority Existing Chemical No. 5. Full Public Report. May.
- Authman et al. 2015. (Authman, M. M. N., M. S. Zaki, E. A. Khallaf, and H. H. Abbas. 2015.) Use of fish as bio-indicator of the effects of heavy metals pollution. *Journal of Aquatic Resource Development* 6:328. doi:10.4172/2155-9546.1000328.
- Avis et al. 2011. (Avis, C. A., A. J. Weaver, and K. J. Meissner. 2011.) Reduction in areal extent of high-latitude wetlands in response to permafrost thaw. *Nature Geoscience* 4(7):444.
- AVO (Alaska Volcano Observatory). 2018a. Alaska Volcano Map. Available: <https://avo.alaska.edu/volcanoes/>.
- AVS 2015. Alaska Victimization Survey. University of Anchorage Alaska Justice Center (Phone call survey). Online at <http://www.andvsa.org/facts/>.
- Awbrey et al. 1988. (Awbrey, F. T., J. A. Thomas, R. A. Kastelein. 1988.) Low-frequency Underwater Hearing Sensitivity in Belugas, *Delphinapterus leucas*. *The Journal of the Acoustical Society of America*. 84 (6), 2273-2275.
- Azam and Li. 2010 (Azam, S., and Q. Li. 2010). Tailings dam failures: a review of the last one hundred years. *Geotechnical news*, 28(4), 50-54.
- Azhari, A. 2016. Evaluating the effect of earthquakes on open pit mine slopes. In 50th US rock mechanics/geomechanics symposium. American Rock Mechanics Association.
- Azzara et al. 2013. (Azzara, A. J., W. M. von Zharen, and J. J. Newcomb JJ. 2013. Mixed-methods analytic approach for determining potential impacts of vessel noise on sperm whale click behavior. *The Journal of the Acoustical Society of America*, 134:4566.
- Bagarinao, T. U. 1993. Sulfide as a toxicant in aquatic habitats. *SEAFDEC Asian Aquaculture*, 15(3), 2-4.

- Bailey et al. 2017. (Bailey, L. T., C. P. J. Mitchell, D. R. Engstrom, M. E. Berndt, J. K. Coleman Wasik, and N. W. Johnson. 2017) Influence of porewater sulfide on methylmercury production and partitioning in sulfate-impacted lake sediments. *Science of the Total Environment*, 580, 1,197–1,204.
- Bailey, R. G. 1995. Descriptions of Ecoregions of the United States. US Forest Service, Rocky Mountain Research Station.
- Baker et al. 1982. (Baker, C. S., L. M. Herman, B. G. Bays, and W. F. Stifel. 1982.) The Impact of Vessel Traffic on the Behavior of Humpback Whales in Southeast Alaska, 1981 Season. Prepared for the National Marine Fisheries Service. June 1.
- Baker et al. 1983. (Baker, C. S., L. M. Herman, B. G. Bays, and G. B. Bauer. 1983.) The Impact of Vessel Traffic on the Behavior of Humpback Whales in Southeast Alaska: 1982 Season. Report submitted to the National Marine Mammal Laboratory, National Marine Fisheries Service, Seattle, WA. May 17.
- Baker et al. 1992. (Baker, C. S., J. M. Straley, and A. Perry. 1992.) Population characteristics of individually identified humpback whales in southeastern Alaska: summer and fall 1986. *Fishery Bulletin* 90:429–437.
- Baker et al. 1998. (Baker, C. S., L. Medrano-Gonzalez, J. Calambokidis, A. Perry, F. Pichler, H. Rosenbaum, J. M. Straley, J. Urban-Ramirez, M. Yamaguchi, and O. von Ziegesar. 1998.) Population structure of nuclear and mitochondrial DNA variation among humpback whales in the North Pacific. *Molecular Ecology* 7:695–707.
- Bake and Herman. 1989. (Baker, C. S., and L. M. Herman. 1989). Behavioral responses of summering humpback whales to vessel traffic: Experimental and opportunistic observations. Technical Report NPS-NR-TRS-89-01. Final Report to the National Park Service, Alaska Regional Office. United States Department of the Interior. DO – 10.13140/RG.2.1.1433.4327.
- Ballachey et al. 1994. (Ballachey, B. E., J. L. Bodkin, and A. R. DeGange. 1994.) An Overview of Sea Otter Studies. In *Marine Mammals and the Exxon Valdez*, ed. T. R. Loughlin, 47-60. San Diego, CA: Academic Press.
- Barberopoulou et al. 2004. (Barberopoulou, A., A. Qamar, T. L. Pratt, K. C. Creager, and W. P. Steele. 2004.) Local amplification of seismic waves from the Denali Earthquake and damaging seiches in Lake Union, Seattle, Washington. *Geophysical Research Letters* 31(3).
- Barbour et al. 1999. (Barbour, M. T., J. Gerritsen, B. D. Snyder, and J. B. Stribling. 1999.) Rapid Bioassessment Protocols for Use in Streams and Wadeable Rivers: Periphyton, Benthic Macroinvertebrates and Fish. Second edition. EPA/841-B-99-002. Washington, DC: US Environmental Protection Agency, Office of Water.
- Barten, N. L. 2015. Mulchatna Herd Caribou, Units 9B, 17, 18 South, 19A, and 19B. In *Caribou Management Report of Survey-Inventory Activities July 1, 2012–June 30, 2014*, eds. P. Harper and L. A. McCarthy, 3-1 through 3-22. Species Management Report ADF&G/DWC/SMR-2015-4. Juneau: Alaska Department of Fish and Game.
- Bash, J., C. Berman, and S. Bolton. 2001. Effects of Turbidity and Suspended Solids on Salmonids. Seattle: University of Washington, Center for Streamside Studies. November.

- Bassett et al. 2012. (Bassett, C., B. Polagye, M. Holt, and J. Thomson. 2012.). A vessel noise budget for Admiralty Inlet, Puget Sound, Washington (USA). *The Journal of the Acoustical Society of America*, 132(6), 3706-3719.
- Basu et al. 2005. (Basu, N., C. J. Stamler, K. M. Loua, and H. M. Chan. 2005.) An interspecies comparison of mercury inhibition on muscarinic acetylcholine receptor binding in the cerebral cortex and cerebellum. *Toxicology and Applied Pharmacology*. 205(1): 71–76.
- BBEDC (Bristol Bay Economic Development Corporation). 2019. Permit Loan Program. Available: http://www.bbedc.com/?page_id=187. Accessed June 2019.
- BBHLT (Bristol Bay Heritage Land Trust). 2012. Protecting the Rare Lake Iliamna Seals. Accessed 6/24/2019 at <http://www.bristolbaylandtrust.org/protecting-the-rare-lake-iliamna-seals/>.
- BBNA (Bristol Bay Native Association). 2019. Bristol Bay Comprehensive Economic Development Strategy: 2017-2021. 2019 Update. Prepared by: Bristol Bay Native Association; Economic Development Program.
- BBNC (Bristol Bay Native Corporation). 2018. Land & Resource Policy. Available: <https://www.bbnc.net/our-corporation/land/land-policy/>. Accessed April 1, 2018.
- BBRSDA (Bristol Bay Regional Seafood Development Association). 2018a. Funded Projects, 2014–2018. Available: <https://www.bbrsda.com/funded-projects/>.
- BBRSDA. 2018b. Bristol Bay Sockeye Market Report-Fall 2018 Edition. November. Available: <https://www.bbrsda.com/updates/2018/11/14/fall-2018-sockeye-market-report-now-available>. Accessed August 23, 2019.
- BBRV (Bristol Bay Regional Vision). 2011. Bristol Bay Regional Vision: Final Report. A project of Bristol Bay Native Association, Bristol Bay Native Corporation, Bristol Bay Area Health Corporation, Bristol Bay Housing Authority, and Bristol Bay Economic Development Corporation. Prepared by Imagine Insights, Inc.
- BCMOE (British Columbia Ministry of the Environment) 2015. Mount Polley Mine Tailings Storage Facility Breach. Investigation Report of the Chief Inspector of Mines. Al Hoffman, Chief Inspector of Mines. Ministry of Energy and Mines. November 30.
- BCMOE (British Columbia Ministry of Environment). 2012. Guidelines for Groundwater Modelling to Assess Impacts of Proposed Natural Resource Development Activities. Report no. 194001, 385 pp.
- Becker, E. 2003. Brown Bear Line Transect Technique Development. Alaska Department of Fish and Game, Division of Wildlife Conservation. Research Final Performance Report. September.
- Becker, E. F. 2010. Preliminary Final Report on Monitoring the Brown Bear Population Affected by Development Associated with the Proposed Pebble Mine Project. Anchorage: Alaska Department of Fish and Game. 31 pp.
- Beckvar, N., T. M. Dillon, and L. B. Read. 2005. Approaches for linking whole-body fish tissue residues of mercury or DDT to biological effects thresholds. *Environmental Toxicology and Chemistry: An International Journal*, 24(8), 2094-2105.
- Begét et al. 2008. (Begét, J., C. Gardner, and K. Davis. 2008.) Volcanic tsunamis and prehistoric cultural transitions in Cook Inlet, Alaska. *Journal of Volcanology and Geothermal Research* 176(3):377–386.

- Begét and Gardner. 1992. (Begét, J. E., and J. Kienle. 1992.) Cyclic formation of debris avalanches at Mount St. Augustine volcano. *Nature* 356(6371):701.
- Bell, E. 2001. Survival, Growth and Movement of Juvenile Coho Salmon. Doctoral dissertation, Humboldt State University.
- Bella, E. 2009. Invasive Plant Species Response to Climate Change in Alaska: Bioclimatic Models of Current and Predicted Ranges. Prepared by HDR Alaska. Prepared for US Fish and Wildlife Service. April.
- Benjamins et al. 2014. (Benjamins, S., V. Harnois, H. C. M. Smith, L. Johanning, L. Greenhill, C. Carter, and B. Wilson. 2014.) Understanding the potential for marine megafauna entanglement risk from renewable marine energy developments. Scottish Natural Heritage Commissioned Report No. 791.
- Bennett, A. J. 1996. Physical & Biological Resource Inventory of the Lake Clark National Park–Cook Inlet Coastline, 1994–96. Lake Clark National Park & Preserve, Kenai Coastal Office.
- Bergeon Burns et al. 2014. (Bergeon Burns, C. M., J. A. Olin, S. Woltmann, P. C. Stouffer, and S. S. Taylor. 2014). Effects of oil on terrestrial vertebrates: predicting impacts of the Macondo blowout. *BioScience*, 64(9), 820-828.
- Berliner, J. 1989. Record Alaska salmon catch despite spill. UPI. September 26. Available: <https://www.upi.com/Archives/1989/09/26/Record-Alaska-salmon-catch-despite-spill/1968622785600/>. Accessed July 2019.
- Berman et al. 2020. (Berman, M., R. Loeffler, and J. I. Schmidt. 2020.) Long-term benefits to Indigenous communities of extractive industry partnerships: Evaluating the Red Dog Mine. *Resources Policy* 66 (2020). Available: <https://www.sciencedirect.com/science/article/pii/S0301420719302429?via%3Dihub>. Accessed April 2020.
- Bettridge et al. 2015. (Bettridge, S. C., C. S. Baker, J. Barlow, P. J. Clapham, M. Ford, D. Gouveia, D. K. Mattila, R. M. Pace, P. E. Rosel, G. K. Silber, and P. R. Wade. 2015.) Status Review of the Humpback Whale (*Megaptera Novaeangliae*) under the Endangered Species Act. NOAA Technical Memorandum. March.
- BGC 2019a. Pebble Project Numerical Groundwater Flow Model—Final. Prepared for Pebble Limited Partnership. May 24.
- BGC 2019b. Pebble Project: RFI 109e Response Part 1—Open Pit. Prepared for Pebble Limited Partnership. July 11.
- BGC 2019c. Pebble Project: RFI 109e Response Part 2—WMPs & Pyritic TSF. BGC Engineering Inc. Memo. Attention: James Fuego, Stephen Hodgson. July 25.
- BGC 2019d. Pebble Project: RFI 109e Response Part 3—Bulk TSF. BGC Engineering Inc. Technical Memo. Attention: James Fuego, Stephen Hodgson. August 16.
- BGC 2019f. Pebble Project: RFI 109j Response—Hydraulic Conductivity Data Used for the New Groundwater Model. Prepared for Pebble Limited Partnership. September 12.
- BGC 2019g. Pebble Project: RFI 109i Response—Prucha Comments. Prepared for Pebble Limited Partnership. October 11.
- BGC 2019i. Pebble Project: RFI 109m Response—Pit Lake Hydraulic Containment. September 30.

- BGC 2019k. Pebble Project: RFI 109n Response—Expanded Development Scenario Pit Groundwater Simulation. Prepared for Pebble Limited Partnership, October 16.
- BGC 2019l. Pebble Project: RFI 109l Response—Bulk TSF West Wall. September 24.
- BGC 2019m. Pebble Project: RFI 132 Response—Groundwater Drawdown Zone. September 19.
- BGC 2019n. Pebble Project: RFI 109p Response—Pit Lake Hydraulic Containment. Follow-Up. Prepared for Pebble Limited Partnership. November 22.
- BGC 2019o. Pebble Project: RFI 109k Response—Potential Headwaters Stream Dewatering. October 1.
- BGC 2019p. Pebble Project: RFI 109o Response—Capture Zone Analysis and Open Pit WMP. Prepared for Pebble Limited Partnership. November 13.
- BGC 2011. Tailing Storage Facility Design. Donlin Creek LLC. Donlin Creek Gold Project Feasibility Study Update II. Document Number DC11-025. Project Number 0011-111-30. July 22.
- BIA (Bureau of Indian Affairs). 2019. Subsistence Branch. BIA Alaska Region. Accessed November 2019. Available: <https://www.bia.gov/regional-offices/alaska/subsistence-branch>.
- Bieniawski, Z. T. 1989. Engineering rock mass classifications: a complete manual for engineers and geologists in mining, civil, and petroleum engineering. John Wiley & Sons.
- Biesinger, K. 1984. Limnetic Zooplankton of Lakes in Katmai National Monument, Alaska. EPA-600/3-84-O25 IILJBS A _153 7 5 8. February.
- Biggan et al. 2016. (Bigham, G. N., K. J. Murray, Y. Masue-Slowey, and E. A. Henry. 2016.) Biogeochemical controls on methylmercury in soils and sediments: Implications for site management. Integrated Environmental Assessment and Management. 13 (2): 249-263.
- Billmeier, C. 2015. Traditional Knowledge and 150 Miles of Alaskan Tundra and Ice. Available: <https://medium.com/synapse/traditional-knowledge-and-150-miles-of-alaskan-tundra-and-ice-c06995edf4a>. Accessed March 1, 2018.
- Bittencourt et al. 2017. (Bittencourt, L., I. M. S. Lima, L. G. Andrade, R. R. Carvalho, T. L. Bisi, J. Lailson-Brito, and A. F. Azevedo. 2017.) Underwater noise in an impacted environment can affect Guiana dolphin communication. Marine Pollution Bulletin 114:1130-1134.
- Blackwell and Greene. 2003. (Blackwell, S. B., and C. R. Greene Jr. 2003.) Acoustic Measurements in Cook Inlet, Alaska during August 2001. Greeneridge Report 271-2. Report from Greeneridge Sciences, Inc., Santa Barbara, CA, for National Marine Fisheries Service, Anchorage, AK. 43 pp.
- Blair et al. 2016. (Blair, S D., D. Matheson, Y. He, and G. G. Goss. 2016.) Reduced salinity tolerance in the Arctic grayling (*Thymallus arcticus*) is associated with rapid development of a gill interlamellar cell mass: implications of high-saline spills on native freshwater salmonids. Conserv Physiol 4:cow010; doi:10.1093/conphys/cow010.
- Blair and Quinn. 1991. (Blair, G. R., and T. P. Quinn. 1991.) Homing and spawning site selection by sockeye salmon (*Oncorhynchus nerka*) in Iliamna Lake, Alaska. Canadian Journal of Zoology, 69(1), 176-181.

- Blanchard et al. 2003. (Blanchard, A. L., H. M. Feder, and D. G. Shaw. 2003.) Variations of Benthic Fauna Underneath an Effluent Mixing Zone at a Marine Oil Terminal in Port Valdez, Alaska. Proceedings from Extreme Events: Understanding Perturbations to the Physical and Biological Environment. Fairbanks, AK: Arctic Science Conference.
- Blane and Jaakson. 1994. (Blane, J.M., and R. Jaakson. 1994.) The impact of ecotourism boats on the St. Lawrence beluga whales. *Environmental Conservation* 21 (3):267-269.
- BLM (US Bureau of Land Management) 2019a. Land Status. GIS data. BLM Spatial Data Management System. Available: I:\60566281_Pebble EIS\Task 4 – Final EIS\4.0 Tech Resource Bin\4.0.2 Social Bin\New Refs.
- BLM 2019b. Ambler Road EIS—Draft—Volume 1: Chapters 1-3, Appendices A-F. August.
- BLM. 2013. Best Management Practices for Reducing Visual Impacts of Renewable Energy Facilities on BLM-Administered Lands. First Edition.
- BLM. 2009. ANCSA 17(B) Easements. Available: https://www.blm.gov/programs/lands-and-realty/regional-information/alaska/17b_easements. Accessed March 17, 2018.
- BLM. 1986. Manual 8431—Visual Resource Contrast Rating. REL. 8-30, January 17.
- Blodgett and Zhang 2018. (Blodgett, R. B., and N. Zhang. 2018.) Application of the Alaska Paleontological Database for Geological Studies (www.alaskafossil.org).
- Blodgett et al. 1995. (Blodgett, R. B., R. E. Weems, and F. H. Wilson. 1995.) Upper Jurassic reptiles from the Naknek Formation, Alaska Peninsula; A glimpse into Alaska's own Jurassic Park. *Geological Society of America, Abstracts with Programs* 27(5):6.
- Blus et al. 1991. (Blus, L. J., C. J. Henny, D. J. Hoffman, and R. A. Grove.) 1991. Lead Toxicosis in Tundra Swans near a Mining and Smelting Complex in Northern Idaho. *Archives of Environmental Contamination and Toxicology*. 21, 549-555.
- Bodkin et al. 2004. (Bodkin, J. L., G. G. Esslinger, and D. H. Monson. 2004.) Foraging Depths of Sea Otters and Implications to Coastal Marine Communities. *Marine Mammal Science*, 20(2):305-321.
- BOEM (Bureau of Ocean Energy Management). 2016a. Cook Inlet Planning Area Oil and Gas Lease Sale 244, in the Cook Inlet, Alaska Final EIS. OCS EIS/EA BOEM 2016-069. US Department of the Interior, Bureau of Ocean Energy Management, Alaska Outer Continental Shelf Region. December.
- BOEM. 2016b. Draft Environmental Impact Statement, Alaska Outer Continental Shelf, Cook Inlet Planning Area Oil and Gas Lease Sale 224. Volume 2, Chapters 5–7 and Appendices.
- BOEM. 2012. Outer Continental Shelf Oil and Gas Leasing Program: 2012–2017. Final Programmatic Environmental Impact Statement. OCS EIS/EA BOEM 2012-030. Anchorage, AK: US Department of the Interior, Bureau of Ocean Energy Management, Alaska Outer Continental Shelf Region.
- Boening, D. W. 2000. Ecological effects, transport, and fate of mercury: a general review. *Chemosphere*, 40(12), 1335-1351.
- Bogan et al. 2012. (Bogan, D., R. Shaftel, and D. Rinella. 2012.) Baseline Biological Surveys in Wadeable Streams of the Kvichak and Nushagak Watersheds, Bristol Bay, Alaska. Prepared by Alaska Natural Heritage Program, University of Alaska, Anchorage, AK, for Alaska Department of Environmental Conservation, Anchorage.

- Boggs et al. 2019. (Boggs, K., L. Flagstad, T. Boucher, M. Carlson, A. Steer, B. Bernard, M. Aisu, P. Lema, B. Heitz, and T. Kuo. 2019.) Alaska Ecosystems of Conservation Concern: Biophysical Settings and Plant Associations. Report prepared by the Alaska Center for Conservation Science, University of Alaska, Anchorage for the Alaska Department of Fish and Game. 300 pp.
- Bond et al. 2018. Available: <https://doi.org/10.1371/journal.pone.0207703>.
- Boor, G. H. K. 2010. Applying Novel Approaches to Old Datasets: Utilizing Opportunistic Observations and Bayesian Estimation to Describe Spatial Use Patterns for Stellar Sea Lions. PhD Dissertation at Montana State University, Bozeman, MT.
- Boraas and Knott. 2013. (Boraas, A. S., and C. H. Knott. 2013.) Traditional Ecological Knowledge and Characterization of the Indigenous Cultures of the Nushagak and Kvichak Watersheds, Alaska. Submitted to the Bristol Bay Assessment: US Environmental Protection Agency. October 13. 154 pp.
- Boraas, A. 2019. The Nushagak River Traditional Cultural Landscape. Prepared for the United Tribes of Bristol Bay and the Native American Rights Fund. August 2019.
- Borden, L. 2018. Alaska Department of Fish and Game. Personal communication (email) between Lee Borden (ADF&G) and Jessica Evans of AECOM Requesting information from ADF&G. September 13.
- Bortle, J. E. 2001. Introducing the Bortle Dark Sky Scale. Sky and Telescope, February 2001.
- Borum et al. (Borum, D., M. K. Manibusan, and R. Schoeny. 2001.) Water Quality Criterion for the Protection of Human Health: Methylmercury.
- Boulanger et al. 2012. (Boulanger, J., K. G. Poole, A. Gunn, and J. Wierzchowski. 2012.) Estimating the zone of influence of industrial developments on wildlife: a migratory caribou *Rangifer tarandus groenlandicus* and diamond mine case study. Wildlife Biology 18(2):164–179.
- Boulanger and Stenhouse. 2014. (Boulanger, J., and G. B. Stenhouse. 2014.) The impact of roads on the demography of grizzly bears in Alberta. PLoS One 9(12), e115535.
- Bovee and Milhous. 1978. (Bovee, K. D., and R. T. Milhous. 1978.) Hydraulic simulation in instream flow studies: theory and techniques. Instream Flow Information Paper 5. United States Fish and Wildlife Service FWS/OBS-78/33. 129 pp.
- Bovee et al. (Bovee, K. D., B. L. Lamb, J. M. Bartholow, C. B. Stalnaker, J. Taylor, and J. Henriksen. 1998.) Stream habitat analysis using the instream flow incremental methodology. US Geological Survey, Biological Resources Division Information and Technology Report USGS/BRD-1998-0004. viii + 131 pp.
- Boveng et al. 2012. (Boveng, P. L., J. M. London, and J. M. Ver Hoef. 2012.) Distribution and Abundance of Harbor Seals in Cook Inlet, Alaska. Task III: Movements, Marine Habitat Use, Diving Behavior, and Population Structure, 2004–2006.
- Boveng et al. 2011. (Boveng, P. L., J. M. London, R. A. Montgomery, and J. M. Ver Hoef. 2011.) Distribution and abundance of harbor seals in Cook Inlet, Alaska. Task I: Aerial surveys of seals ashore, 2003-2007. Final Report. BOEM Report 2011-063. Bureau of Ocean Energy Management, Alaska Outer Continental Shelf Region, Anchorage, Alaska, USA. 46 pp.
- Bowker and Chambers. 2015. (Bowker, L., and D. Chambers. 2015.) The Risk, Public Liability, & Economics of Tailings Storage Facility Failures: Technical Report.

- Boyce et al. 2010. (Boyce, M. S., J. Pitt, J. M. Northrup, A. T. Morehouse, K. H. Knopff, B. Cristescu, and G. B. Stenhouse. 2010.) Temporal autocorrelation functions for movement rates from global positioning system radiotelemetry data. *Philosophical Transactions of the Royal Society of London B: Biological Sciences* 365(1550): 2213-2219.
- Bozorgnia et al. 2014. (Bozorgnia, Yousef, Norman Abrahamson, Linda Atik, Timothy Ancheta, Gail Atkinson, Jack Baker, Annemarie Baltay, David Boore, Kenneth Campbell, Brian Chiou, Robert Darragh, Steve Day, Jennifer Donahue, Robert Graves, Nick Gregor, Thomas Hanks, I. Idriss, Ronnie Kamai, Tadahiro Kishida, and R. Youngs. 2014.) NGA-West2 research project. *Earthquake Spectra*. 30. 10.1193/072113EQS209M.
- Brabets et al. 1999.(Brabets, T. P., G. L. Nelson, J. M. Dorava, and A. M. Milner. 1999.) Water-Quality Assessment of the Cook Inlet Basin, Alaska: Environmental Setting. (No. 99-4025.) US Department of the Interior, US Geological Survey, Branch of Information Services [distributor].
- Bradbury, K. R. 2002. Delineation of wellhead protection areas in fractured rock: advances during the last 10 years. In Geological Society of America Annual Meeting, Denver, CO. October 30.
- Bradley et al. 2005. (Bradley, M. J., S. J. Kutz, E. Jenkins, and T. M. O'Hara. 2005.) The potential impact of climate change on infectious diseases of Arctic fauna. *International Journal of Circumpolar Health* 64(5):468–477.
- Branstetter et al. 2016 (Branstetter, B. K., K. L. Bakhtiari, J. S. Trickey, and J. J. Finneran. 2016.) Hearing mechanisms and noise metrics related to auditory masking in bottlenose dolphins (*Tursiops truncatus*). pp. 109-116 In: A. N. Popper and A. Hawkins (eds.), *The Effects of Noise on Aquatic Life II*. Springer, New York, NY. 1292 pp.
- Branstetter et al. 2013. (Branstetter, B. K., J. S. Trickey, H. Aihara, J. J. Finneran, and T. R. Liberman. 2013.) Time and frequency metrics related to auditory masking of a 10 kHz tone in bottlenose dolphins (*Tursiops truncatus*). *J. Acoust. Soc. Am.* 134(6):4556-4565.
- Brasseur et al. 1996. (Brasseur, S., J. Creuwels, B. Van der Werf, and P. Reijnders. 1996.) Deprivation indicates necessity for haul-out in harbor seals. *Marine Mammal Science* 12, 4: 619-624.
- Bray, J. D. 2013. Liquefaction Effects on Structures. University of California, Berkeley, Presentation at 2013 Peck Lecture at Geo-Congress, San Diego, CA. August 27.
- Bray and Travarasrou. 2007. (Bray, J. D., and T. Travarasrou. 2007.) Simplified procedure for estimating earthquake induced deviatoric slope displacements. *Journal of Geotechnical and Geoenvironmental Engineering* 133(4):381–392. April.
- Brehmer, E. 2019. More quake damage adds to troubles at Port of Alaska. *Alaska Journal of Commerce*. July 17.
- Brennan et al. 2019. (Brennan, S. R., D. P. Fernandez, J. M. Burns, S. Aswad, D. E. Schindler, and T. E. Cerling. 2019.) Isotopes in teeth and a cryptic population of coastal freshwater seals. *Conservation Biology*.
- Brinson, M. M. 1993. A Hydrogeomorphic Classification for Wetlands. Wetlands Research Program Technical Report WRP-DE-4. Vicksburg, MS: US Army Corps of Engineers Waterways Experiment Station.

- Brna, P. J., and L. A. Verbrugge. [eds.] 2013.) Wildlife Resources of the Nushagak and Kvichak River Watersheds, Alaska. Final Report. Anchorage, AK: US Fish and Wildlife Service, Anchorage Fish and Wildlife Field Office. 177 pp.
- Brooker, H. 2011. Tsunami Impact on Fuel Storage Containers. Lehigh University NEES REU Program. August.
- Brookover et al. 1997. (Brookover, T., R. E. Minard, and B. A. Cross. 1997.) Overview of the Nushagak-Mulchatna Chinook Salmon Fisheries, with Emphasis on the Sport Fishery. Alaska Department of Fish and Game, Regional Informational Report No. 2A97-35.
- BSEE (US Department of the Interior, Bureau of Safety and Environmental Enforcement). 2018. Letter to James Fueg, PLP. April 9.
- BSI. 2012. Maritime works, General, Code of practice for geotechnical design. BS 6349-1-3:2012. Published September 2012,
- Buchman, M. F. 2008. NOAA Screening Quick Reference Tables. NOAA OR&R Report 08-1. Seattle, WA: National Oceanic and Atmospheric Administration, Office of Response and Restoration Division. 34 pp.
- Buckelew et al. 2011. (Buckelew, S., V. Byrd, G. Howald, S. MacLean, and J. Sheppard. 2011.) Preliminary ecosystem response following invasive Norway rat eradication on Rat Island, Aleutian Islands, Alaska. In: Veitch, C. R., M. N. Clout, and D. R. Towns (eds.). 2011. Island invasives: eradication and management. pp 275-279.
- Buckland et al. 2001. (Buckland, S. T., D. R. Anderson, K. P. Burnham, J. L. Laake, D. L. Borchers, and L. Thomas. 2001.) Introduction to Distance Sampling: Estimating Abundance of Biological Populations. Oxford University Press.
- Budelmann, B. U. 1992. Hearing in crustacea. pp. 131-139. In: D. B. Webster, R. R. Fay, and A. N. Popper (eds.). Evolutionary biology of hearing. Springer-Verlag, New York, NY.
- Buell, J. W. 1991. Pebble Copper Prospect—Baseline Fisheries Investigations. Technical Memorandum to Cominco Alaska. Portland, OR: Buell and Associates, Inc.
- Bullard et al. 2007. (Bullard, S. G., G. Lambert, Mary Carman, and Jarrett Byrnes. 2007.) The colonial ascidian *Didemnum* sp. A: current distribution, basic biology and potential threat to marine communities of the northeast and west coasts of North America. Journal of Experimental Marine Biology and Ecology, 342(1), 99-108.
- Burbank, D. C. 1977. Circulation Studies in Kachemak Bay and Lower Cook Inlet. In Environmental Studies of Kachemak Bay and Lower Cook Inlet, eds. L. L. Trasky, L. B. Flagg, and D. C. Burbank, Volume III. Alaska Department of Fish and Game, Marine/Coastal Habitat Management.
- Burn, D. M. 1994. Boat-Based Population Surveys of Sea Otters in Prince William Sound. In Marine Mammals and the Exxon Valdez, ed. T. R. Loughlin, Chapter 4, 61–80. San Diego, CA: Academic Press.
- Burns and Seaman 1986. (Burns, J. J., and G. A. Seaman. 1986.) Investigations of belukha whales in coastal waters of western and northern Alaska. Part II. Biology and ecology. Final report submitted to NOAA Outer Continental Shelf Environmental Assessment Program. 129 pp.
- Burns et al. 2014. (Burns, C. M. B., J. A. Olin, S. Woltmann, P. C. Stouffer, and S. S. Taylor. 2014.) Effects of oil on terrestrial vertebrates: predicting impacts of the Macondo Blowout. BioScience 64(9):820–828.

- Burns et al. 2013. (Burns, J. M., H. Chythlook, C. Gomez, D. Withrow, and T. Askoak. 2013.) Integrating Local Traditional Knowledge and Subsistence Use Patterns with Aerial Surveys to Improve Scientific and Local Understanding of Iliamna Lake Seals. Anchorage: University of Alaska.
- Burns et al. 2016. (Burns, J., J. Van Lanen, D. Withrow, D. Holen, T. Askoak, H. Aderman, G. O'Corey-Crowe, G. Zimpelman, and B. Jones. 2016.) Integrating Local Traditional Knowledge and Subsistence Use Patterns with Aerial Surveys to Improve Scientific and Local Understanding of the Iliamna Lake Seals. Technical Paper No. 416. June.
- Bury, R. B. 1972. The Effects of Diesel Fuel on a Stream Fauna. University of California, Berkeley, 4, 20.
- Butler, L. 2015. Caribou Annual Survey and Inventory. Federal Aid Annual Performance Report. The Status of Alaska Caribou and Factors Influencing Their Populations in Region IV. Period: July 1, 2014–June 30, 2015. 11 pp.
- Butler, L. G. 2008. Unit 9 Moose Management Report. In Moose Management Report of Survey and Inventory Activities, July 1, 2005–June 30, 2007, ed. P. Harper, 116–124. Project 1.0. Juneau: Alaska Department of Fish and Game.
- Butler, L. G. 2007a. Unit 9 Brown Bear Management Report. In Brown Bear Management Report of Survey and Inventory Activities, July 1, 2004–June 30, 2006, ed. P. Harper, 109–120. Juneau: Alaska Department of Fish and Game, Division of Wildlife Conservation.
- Butler, L. G. 2007b. Units 9C and 9E Caribou Management Report. In Caribou Management Report of Survey and Inventory Activities, July 1, 2004–June 30, 2006, ed. P. Harper, 33–42. Juneau: Alaska Department of Fish and Game, Division of Wildlife Conservation.
- Butler, L. G. 2006. Unit 9 Moose Management Report. In Moose Management Report of Survey and Inventory Activities, July 1, 2003–June 30, 2005, ed. P. Harper, 107–115. Juneau: Alaska Department of Fish and Game, Division of Wildlife Conservation.
- Byrne et al. 2018. (Byrne, P., K. A. Hudson-Edwards, G. Bird, M. G. Macklin, P. A. Brewer, R. D. Williams, and H. E. Jamieson. 2018. Water quality impacts and river system recovery following the 2014 Mount Polley mine tailings dam spill, British Columbia, Canada. *Applied geochemistry*, 91, 64-74.
- Calambokidis et al. 2010. (Calambokidis, J., E. A. Falcone, A. Douglas, L. Schlender, and J. Huggins. 2010.) Photographic identification of humpback and blue whales off the US West Coast: results and updated abundance estimates from 2008 field season. Final Report for Contract AB133F08SE2786 from Southwest Fisheries Science Center. 18 pp.
- Calef et al. 2015. (Calef, M. P., A. Varvak, A. D. McGuire, F. S. Chapin III, and K. B. Reinhold. 2015.) Recent Changes in Annual Area Burned in Interior Alaska: The Impact of Fire Management. *Earth Interactions* 19: Paper 5.
- Calkins, D. G. 1979. Marine Mammals of Lower Cook Inlet and the Potential for Impact from Outer Continental Shelf Oil and Gas Exploration, Development and Transport. In *Environmental Assessment of the Alaskan Continental Shelf, Final Reports of Principal Investigators, Volume 20* (1983), 171–263. Boulder, CO: US Department of Commerce, Bureau of Land Management/National Oceanic and Atmospheric Administration.
- Calkins et al. 1994. (Calkins, D. G., E. Becker, T. R. Spraker, and T. R. Loughlin. 1994.) Impacts on Steller Sea Lions. In *Marine Mammals and the Exxon Valdez*, ed. T. R. Loughlin, 119–140. London: Academic Press.

- Caltrans (California Department of Transportation). 2015. Technical Guidance for Assessment and Mitigation of the Hydroacoustic Effects of Pile Driving on Fish. Sacramento, CA. November.
- Caltrans. 2009. Technical Noise Supplement. Division of Environmental Analysis. November. Available: http://www.dot.ca.gov/hq/env/noise/pub/tens_complete.pdf. Accessed May 8, 2018.
- Cameron et al. 2016. (Cameron, Erin K., Montserrat Vilà, and Mar Cabeza. 2016.) Global meta-analysis of the impacts of terrestrial invertebrate invaders on species, communities and ecosystems. *Global Ecology and Biogeography*, 25(5), 596-606.
- Campana et al. 2015. (Campana, I., R. Crosti, D. Angeletti. 2015.) Cetacean response to summer maritime traffic in the Western Mediterranean Sea. *Marine Environmental Research* 109:1-8.
- Capri 2020. National Performance of Dams Program. Stanford Department of Civil and Environmental Engineering. Accessed April 21.
- Cardwell et al. 2013. (Cardwell, R. D., D. K. DeForest, K. V. Brix, and W. J. Adams. 2013.) Do Cd, Cu, Ni, Pb, and Zn biomagnify in aquatic ecosystems? *Reviews of Environmental Contamination and Toxicology* 226:101–122.
- Carlson et al. 2008. (Carlson, Matthew L., Irina V. Lapina, Michael Shephard, Jeffery S. Conn, Roseann Densmore, Page Spencer, Jeff Heys, Julie Riley, and Jamie Nielsen. 2008.) Invasiveness Ranking System for Non-Native Plants of Alaska. USDA Forest Service, Alaska Region, R10-TP-143.
- Carretta et al. 2004. (Carretta, J. V., K. A. Forney, M. M. Muto, J. Barlow, J. Baker, and M. Lowry. 2004.) US Pacific Marine Mammal Stock Assessments: 2003. NOAA-TM-NMFS-SWFSC-358. March.
- Carroll et al. 2017. (Carroll, A. G., R. Przeslawski, A. Duncan, M. Gunning and B. Bruce. 2017.) A critical review of the potential impacts of marine seismic surveys on fish & invertebrates. *Marine Pollution Bulletin* 114:9-24.
- Carver et al. 2008. (Carver, G., J. Sauber, W. Lettis, R. Witter, and B. Whitney. 2008.) Active faults on northeastern Kodiak Island, Alaska. *Active Tectonics and Seismic Potential of Alaska*, 167–184.
- CASA (Community and Systems Analysis). 1982. Skagway Coastal Management Program, Concept Approval Draft. Bainbridge Island, WA. September.
- Castellote et al. 2019. (Castellote, M., B. Thayre, M. Mahoney, and J. Mondragon. 2019.) Anthropogenic Noise and the Endangered Cook Inlet Beluga Whale, *Delphinapterus leucas*: Acoustic Considerations for Management.
- Castellote et al. 2016a. (Castellote, M., R. J. Small, J. Mondragon, J. Jenniges, and J. Skinner. 2016.) Seasonal distribution and foraging behavior of Cook Inlet belugas based on acoustic monitoring. Alaska Department of Fish and Game, Final Wildlife Research Report, ADF&G/DWS/WRR-2016-3, Juneau.
- Castellote et al. 2016b. (Castellote, M., B. Thayre, M. Mahoney, J. Mondragon, C. Schmale, and R. J. Small. 2016.) Anthropogenic noise in Cook Inlet beluga habitat: sources, acoustic characteristics, and frequency of occurrence. Alaska Department of Fish and Game, Final Wildlife Research Report, ADF&G/DWC/WRR-2016-4, Juneau.

- Castellote et al. 2014. (Castellote M., T. A. Mooney, R. C. Hobbs, L. T. Quakenbush, C. Goertz, and E. Gaglione E. 2014.) First Description of Beluga Hearing in the Wild.
- Castellote et al. 2012. (Castellote, M., C. W. Clark, and M. O. Lammers. 2012.) Acoustic and behavioural changes by fin whales (*Balaenoptera physalus*) in response to shipping and airgun noise. Biol. Conserv. (in press).
- CBJ (City/Borough of Juneau, Alaska's Capital City). 2018. Emergency Management—Tsunamis and Seiches. Available: <https://beta.juneau.org/emergency>.
- CDA (Canadian Dam Association) 2014. Application of Dam Safety Guidelines to Mining Dams. Technical Bulletin.
- CDC (Centers for Disease Control and Prevention). 2016. Smokeless Tobacco Use in the United States. Available: https://www.cdc.gov/tobacco/data_statistics/fact_sheets/smokeless/use_us/index.htm. Accessed March 28, 2018.
- CDC. 2006. Cyanide: Public Health Statement. Available: <https://www.atsdr.cdc.gov/PHS/PHS.asp?id=70&tid=19>.
- Cederholm et al. 1999. (Cederholm, C. J., M. D. Kunze, T. Murota, and A. Sibatani. 1999.) Pacific salmon carcasses: essential contributions of nutrients and energy for aquatic and terrestrial ecosystems. Fisheries, 24(10), 6-15.
- CEQ (Council on Environmental Quality). 2014. Draft NEPA Guidance on GHG Emissions and Climate Change. Washington, DC. December.
- CEQ. 1997. Environmental Justice: Guidance under the National Environmental Policy Act. Washington, DC: Executive Office of the President.
- CEQ 1997b. Considering Cumulative Effects Under the National Environmental Policy Act. January.
- CFEC (Commercial Fisheries Entry Commission). 2020a. Fishery Statistics—Participation & Earnings. Available: https://www.cfec.state.ak.us/fishery_statistics/earnings.htm.
- CFEC (Commercial Fisheries Entry Commission). 2020b. Estimated permit value report: (S03T) salmon, drift gillnet, Bristol Bay. Accessed July 2019. Available: https://www.cfec.state.ak.us/pmtvalue/X_S03T.HTM.
- CFEC (Commercial Fisheries Entry Commission). 2020c. Estimated permit value report: (S04T) salmon, set gillnet, Bristol Bay. Accessed July 2019. Available: https://www.cfec.state.ak.us/pmtvalue/X_S04T.HTM.
- CH2M Hill. 2013. Port of Anchorage Intermodal Expansion Project Suitability Study. Final Summary Report. Prepared for Port of US Army Corps of Engineers, Alaska District. February 14.
- CH2M Hill. 2013b. NAMC White Paper Report Addendum. Prepared for JR Simplot, Teck, and Riotinto. Prepared by CH2MHILL. March 29.
- CH2M Hill. 2010. Review of Available Technologies for the Removal of Selenium from Water. Final Report Prepared for North American Metals Council. Prepared by CH2MHILL. June.
- Chambers and Higman. 2011. (Chambers, D. M., and B. Higman. 2011.) Long-Term Risks of Tailings Dam Failure. October.
- Chapin et al. 2014. (Chapin, F. S. III, S. F. Trainor, P. Cochran, H. Huntington, C. Markon, M. McCammon, A. D. McGuire, and M. Serreze. 2014.) Chapter 22: Alaska. In Climate

- Change Impacts in the United States: The Third National Climate Assessment, eds. J. M. Melillo, T. C. Richmond, and G. W. Yohe, 514–536. US Global Change Research Program. doi:10.7930/J00Z7150.
- Chapman et al. 2010. (Chapman P. M., W. J. Adams, M. L. Brooks, C. G. Delos, S. N. Luoma, W. A. Maher, H. M. Ohlendorf, T. S. Presser and D. P. Shaw [eds].) Ecological Assessment of Selenium in the Aquatic Environment. SETAC Press, Pensacola, FL, USA.
- Chen et al. 2001. (Chen, Y. W., N. Belzile, and J. M. Gunn. 2001.) Antagonistic effect of selenium on mercury assimilation by fish populations near Sudbury metal smelters? *Limnol Oceanogr* 46:1814–1818.
- Chen et al. 2016. (Chen, F., Z. Gong, and B. C. Kelly. 2016.) Bioavailability and bioconcentration potential of perfluoroalkyl-phosphinic and-phosphonic acids in zebrafish (*Danio rerio*): Comparison to perfluorocarboxylates and perfluorosulfonates. *Science of the Total Environment*, 568, 33-41.
- Cholewiak et al. 2018. (Cholewiak, D., C. W. Clark, D. Ponirakis, A. Frankel, L. T. Hatch, D. Risch, J. E. Stanistreet, M. Thompson, E. Vu, and S. Van Parijs. 2018.) Communicating amidst the noise: Modeling the aggregate influence of ambient and vessel noise on baleen whale communication space in a national marine sanctuary. *Endang. Spec. Res.* 36, 59–75.
- Christian et al. 2003. (Christian, J. R., A. Mathieu, D. H. Thomson, D. White, and R. A. Buchanan. 2003.) Effect of Seismic Energy on Snow Crab (*Chionecetes opilio*). Environmental Research Funds Report No. 144. Calgary. 106 pp.
- Ciminello et al. 2012. (Ciminello, C., R. Deavenport, T. Fetherston, K. Fulkerson, P. Hulton, D. Jarvis, B. Neales, J. Thibodeaux, J. Benda-Joubert, and A. Farak. 2012.) Determination of Acoustic Effects on Marine Mammals and Sea Turtles for the Atlantic Fleet Training and Testing Environmental Impact Statement/Overseas Environmental Impact Statement. NUWCNPT Technical Report 12,071. Newport, RI: Naval Undersea Warfare Center Division.
- CIRI (Cook Inlet Region, Inc.). 2018. Our Lands: Unlocking the Potential of Our Lands, Building a Strong Future for Our People. Available: <http://www.ciri.com>. Accessed April 1, 2018.
- Citta et al. 2016. (Citta, J. J., L. T. Quakenbush, K. J. Frost, L. Lowry, R. C. Hobbs, and H. Aderman. 2016.) Movements of beluga whales (*Delphinapterus leucas*) in Bristol Bay, Alaska. *Marine Mammal Science*, 32(4), 1272-1298.
- City of Dillingham. 2010. Dillingham Comprehensive Plan Update and Waterfront Plan.
- Clark et al. 2009. (Clark, C. W., W. T. Ellison, B. L. Southall, L. Hatch, S. M. Van Parijs, A. Frankel, and D. Ponirakis. 2009.) Acoustic masking in marine ecosystems: intuitions, analysis, and implication. *Marine Ecology Progress Series*, 395:201-222.
- Clark et al. 2010. (Clark, R., A. Ott, M. Rabe, D. Vincent-Lang, and D. Woodby. 2010.) The Effects of a Changing Climate on Key Habitats in Alaska. Special Publication No. 10-14. Alaska Department of Fish and Game, Divisions of Sport and Commercial Fisheries, Habitat, and Wildlife Conservation. September.
- Clark and Ellison. 2004. (Clark, C. W., and W. T. Ellison. 2004.) Potential use of low-frequency sounds by baleen whales for probing the environment: Evidence from models and empirical measurements. In *Advances in the Study of Echolocation in Bats and Dolphins*, edited by J. A. Thomas and R. A. Kastelein (Plenum, New York), pp. 564–589.

- Clark and Levy. 1988. (Clark, C. W., and D. A. Levy. 1988.) Diel vertical migrations by juvenile sockeye salmon and the antipredation window. *The American Naturalist* 131(2):271-290.
- Cobb, C. 2019. Anchorage Earthquake-Dam Inspection Results. Email correspondence with Charles Cobb. July 15.
- Cobb, C. 2019b. Progress in Modern Tailings Dam Safety and Regulations in the United States. *The Journal of Dam Safety*, Association of State Dam Safety Officials.
- Cobb, Charles F., PE. 2018. Update on Tailings Dam Safety and Regulation in the United States. *Proceedings Tailings and Mine Waste 2018*. October 2.
- Cohen et al. 2011. (Cohen, C. Sarah, Linda McCann, Tammy Davis, and Gregory Ruiz. 2011.) Discovery and significance of the colonial tunicate *Didemnum vexillum* in Alaska. *Aquatic Invasions* 6(3).
- Colborn et al. 1993. (Colborn, T., F. S. vom Saal, and A. M. Soto. 1993.) Developmental effects of endocrine disrupting chemicals in wildlife and humans. *Environmental Health Perspectives*, 101(5): 378.
- Coletti et al. 2018. (Coletti, H., D. Esler, B. Konar, K. Iken, K. Kloecker, D. Monson, B. Weitzman, B. Ballachey, J. Bodkin, T. Dean, G. Esslinger, B. Robinson, and M. Lindeberg. 2018). EVOSTC Annual Project Report Form. Attachment C. March.
- Colonell et al. 1992. (Colonell, J. M., B. J. Gallaway, and A. W. Niedoroda. 1992.) Environmental Effects of Beaufort Sea Causeways. In *Coastal Engineering Practice*, 958–974. ASCE. March.
- Colonell and Gallaway. 1990. (Colonell, J. M., and B. J. Gallaway [eds]. 1990.) An assessment of marine environmental impacts of West Dock causeway. Report to Prudhoe Bay Unit Owners represented by ARCO Alaska, Inc. Prepared by LGL Alaska Research Associates, Inc., Woodward-Clyde Consultants, and Environmental Science and Engineering, Inc. Anchorage, AK.
- Colville (Colville Transport). 2018. Record of personal communication (phone call). Personal Communication Allison Payne (AECOM) and Dave Pfeifer (Colville Transport). September 13.
- Compeau and Bartha. 1985. (Compeau, G. C., and R. Bartha. 1985.) Sulfate-reducing bacteria: principal methylators of mercury in anoxic estuarine sediment. *Appl. Environ. Microbiol.*, 50(2), 498-502.
- Conant and Groves. 2005. (Conant, B., and D. J. Groves. 2005.) Alaska-Yukon Waterfowl Population Survey, May 15 to June 7, 2005. Juneau, AK: US Fish and Wildlife Service.
- Conn et al. 2008. (Conn, J. S., K. L. Beattie, M. A. Shephard, M. L. Carlson, I. Lapina, M. Hebert, R. Gronquist, R. Densmore, and M. Rasy. 2008.) Alaska Melilotus invasions: distribution, origin, and susceptibility of plant communities. *Arctic, Antarctic, and Alpine Research*, 40(2), 298-308.
- Consigliieri et al. 1982. (Consigliieri, L. D., H. W. Braham, M. E. Dahlheim, C. Fiscus, P. D. McGuire, C. E. Peterson, and D. A. Pippenger. 1982.) Seasonal Distribution and Relative Abundance of Marine Mammals in the Gulf of Alaska. *Research Unit 68*.
- Constantine (Constantine Metal Resources Ltd.). 2019. Johnson Tract Project. Constantine Metal Resources Ltd. July.

- Contor and Griffith. 1995. (Contor, C. R., and J. S. Griffith. 1995.) Nocturnal emergence of juvenile rainbow trout from winter concealment relative to light intensity. *Hydrobiologia*, 299(3), 179-183.
- Cook and MacDonald. 2004a. (Cook, J. A., and S. O. MacDonald. 2004a.) Mammal Inventory of Alaska's National Parks and Preserves: Lake Clark National Park and Preserve. Anchorage, AK: National Park Service, Southwest Alaska Network Inventory and Monitoring Program. 34 pp.
- Cook and MacDonald. 2004b. Mammal Inventory of Alaska's National Parks and Preserves: Katmai National Park and Preserve. Annual Report 2004. Anchorage, AK: National Park Service, Southwest Alaska Network Inventory and Monitoring Program.
- Cooke et al. 2017. (Cooke, J. G., D. W. Weller, A. L. Bradford, O. A. Sychenko, A. M. Burdin, A. R. Lang, and R. L. Brownell, Jr. 2017.) Population assessment update for Sakhalin gray whales, with reference to stock identity. Paper SC/67a/NH/11 presented to the International Whaling Commission.
- Costa and Kooyman. 1984. (Costa, D. P., and G. L. Kooyman. 1984.) Contribution of specific dynamic action to heat balance and thermoregulation in the sea otter *Enhydra lutris*. *Physiological Zoology* 57:199–203.
- Council on Environmental Quality (CEQ). 2011. Appropriate use of mitigation and monitoring and clarifying the appropriate use of mitigated findings of no significant impacts. January 14.
- CEQ 1981. Forty Most Asked Questions Concerning CEQ's National Environmental Policy Act Regulations. Memorandum for Federal NEPA Liaisons, Federal, State, and Local Officials and Other Persons Involved in the NEPA Process. Ref: 40 CFR Parts 1500 – 1508 (1987). March 16.
- Cowardin et al. 1979. (Cowardin, L. M., V. Carter, F. C. Golet, and E. T. LaRoe. 1979.) Classification of Wetlands and Deepwater Habitats of the United States. Publication FWS/OBS-79/31. Washington, DC: US Fish and Wildlife Service, Office of Biological Services.
- Crawford, P. L. 1987. Tsunami Predictions for the Coast of Alaska Kodiak Island to Ketchikan. (No. CERC-TR-87-7.) Vicksburg, MS: Coastal Engineering Research Center.
- Cristescu et al. 2016. (Cristescu, B., G. B. Stenhouse, and M. S. Boyce. 2016.) Large Omnivore Movements in Response to Surface Mining and Mine Reclamation. *Scientific Reports* 6, 19177; doi: 10.1038/srep19177.
- Crowley and Peterson. 2015. (Crowley, D. W., and C. Peterson. 2015.) Unit 9 brown bear. Chapter 8, Pages 8-1 through 8-12 [In] P. Harper and L. A. McCarthy, editors. Brown bear management report of survey and inventory activities July 1, 2012–June 30, 2014. Alaska Department of Fish and Game, Species Management Report ADF&G/DWC/SMR-2015-1, Juneau.
- Culloch et al. 2016. (Culloch, R. M., P. Anderwald, and A. Brandecker. 2016.) Effect of construction-related activities and vessel traffic on marine mammals. *Marine Ecology Progress Series* 549:231-242.
- Cultural Alaska. 2019. The Qiyhi Qelahi Cultural Landscape. Prepared for the Native American Rights Fund and Nondalton Tribal Council. August 2019.

- Cunjak, R.A. 1996. Winter Habitat of Selected Stream Fishes and Potential Impacts from Land Use Activity. Canadian Journal of Fisheries and Aquatic Sciences. Volume 53, pages 267-282.
- Cunningham et al. 2014. (Cunningham, K. A., B. L. Southall, and C. Reichmuth C. 2014.) Auditory sensitivity of seals and sea lions in complex listening scenarios. The Journal of the Acoustic Society of America, 136(6):3410-3421.
- Cunningham and Reichmuth. 2016. (Cunningham, K. A., and C. Reichmuth. 2016.) High-frequency hearing in seals and sea lions. Hearing Research 331:83-91.
- Curran et al., 2016. (Curran, J. H., N. A. Barth, A. G. Veilleux, and R. T. Ourso. 2016.) Estimating Flood Magnitude and Frequency at Gaged and Ungaged Sites on Streams in Alaska and Conterminous Basins in Canada, Based on Data through Water Year 2012. US Geological Survey Scientific Investigations Report 2016–5024. 47 pp. Available: <http://dx.doi.org/10.3133/sir20165024>.
- Cushing et al. 2018. (Cushing, D. A., D. D. Roby, and D. B. Irons. 2018.) Patterns of distribution, abundance, and change over time in a subarctic marine bird community. Deep-Sea Research Part II 147 (2018) 148-163.
- Custer et al. 2008. (Custer, T. W., C. Custer, K. M. Johnson, and D. J. Hoffman. 2008.) Mercury and other element exposure to tree swallows (*Tachycineta bicolor*) nesting on Lostwood National Wildlife Refuge, North Dakota. Environmental Pollution, 155(2), 217-226.
- Czapla and Wright. 2012. (Czapla, P. K., and J. Wright. 2012.) Interior Alaska Revegetation & Erosion Control Guide. State of Alaska, Plant Materials Center.
- Czyzewski et al. 2014. (Czyzewski, K., F. Tester, N. Aaruaq, and S. Blangy. 2014.) The Impact of Resource Extraction on Inuit Women and Families in Qamani'tuaq. Nunavut Territory, Rapport Présenté à la Fondation Canadienne des Femmes, Ottawa, Pauktutit (Inuit Women of Canada) et Vancouver. University of British Columbia, School of Social Work. January.
- Dahlheim and Castellote 2016. (Dahlheim, M., and M. Castellote. 2016.) Changes in acoustic behavior of gray whales *Eschrichtius robustus* in response to noise. Endangered Species Research, 31:227-242.
- Dann et al. 2013. (Dann, T. H., C. Habicht, T. T. Baker, and J. E. Seeb. 2013.) Exploiting genetic diversity to balance conservation and harvest of migratory salmon. Canadian Journal of Fisheries and Aquatic Sciences, 70(5), 785-793.
- Dann et al. 2009. (Dann, T. H., C. Habicht, J. R. Jasper, H. A. Hoyt, A. W. Barclay, W. D. Templin, T. T. Baker, F. W. West, and L. F. Fair. 2009.) Genetic stock composition of the commercial harvest of sockeye salmon in Bristol Bay, Alaska, 2006-2008. Alaska Department of Fish and Game, Fishery Manuscript Series No. 09-06, Anchorage.
- Dann et al. 2012. (Dann, T. H., C. Habicht, J. R. Jasper, E. K. C. Fox, H. A. Hoyt, H. L. Liller, E. S. Lardizabal, P. A. Kuriscak, Z. D. Grauvogel, and W. D. Templin. 2012.) Sockeye salmon baseline for the Western Alaska Salmon Stock Identification Project. Alaska Department of Fish and Game, Special Publication No. 12-12, Anchorage.
- Davies, M. P. 2002. Tailings impoundment failures: Are geotechnical engineers listening? Waste GEOTEchnics. September.
- Dawson, N. 2019. Potential environmental impacts to brown bears (*Ursus arctos*) with development of the Pebble Mine, Southwest Alaska. University of Montana, Prepared for National Parks Conservation Association.

- Day et al. 2005. (Day, R. H., A. K. Prichard, J. R. Rose, and A. A. Stickney. 2005.) Migration and Collision Avoidance of Eiders and Other Birds at Northstar Island, Alaska, 2001–2004. ABR, Incorporated, Environmental Research & Services.
- Day et al. 1997. (Day, S., G. Hope, and W. Kuit. 1997.) Waste Rock Management Planning for the Kudz Ze Kayah Project, Yukon Territory. Predictive Static and Kinetic Test Work. In Proceedings of the Fourth International Conference on Acid Rock Drainage, Vancouver, BC, Canada. May 31–June 6.
- Day and Rees. 2006. (Day, S., and B. Rees. 2006.) Geochemical Controls on Waste-Rock Dump Seepage Chemistry at Several Porphyry Mines in the Canadian Cordilleran. 7th International Conference on Acid Rock Drainage (ICARD), March 26–30, 2006, St. Louis, MO, ed. R. I. Bamhisel. Lexington, KY: American Society of Mining and Reclamation.
- DeForest, D. 2009. Database of Selenium Concentrations in Fish Tissues from Reference Sites. Prepared for North American Metals Council. January 8.
- DeForest et al. 2012. (DeForest, D. K., G. Gilron, S. A. Armstrong, and E. L. Robertson. 2012.) Species sensitivity distribution evaluation for selenium in fish eggs: Considerations for development of a Canadian tissue-based guideline. Integrated environmental assessment and management, 8(1), 6-12.
- DeMaster, D. 2011. Results of Stellar Sea Lion Surveys in Alaska, June-July 2011. Alaska Fisheries Science Center. December 5.
- Demma, N. 2011. Status, Range Use, and Survival of the Mulchatna Caribou Herd (MCH). PowerPoint Presentation.
- Denes et al. 2016. (Denes, S. L., G. A. Warner, M. E. Austin, and A. O. MacGillivray. 2016.). Hydroacoustic pile driving noise study-comprehensive report (No. 4000 (135)). United States. Federal Highway Administration.
- DePauw et al. 2006. (De Pauw, N., W. Gabriels, and P. L. M. Goethals. 2006.) River Monitoring and Assessment Methods Based on Macroinvertebrates. In Biological Monitoring of Rivers, eds. G. Ziglio, M. Siligardi, and G. Flaim. West Sussex, England: Wiley Press.
- dePolo, C. M. 199). The maximum background earthquake for the Basin and Range Province, western North America. Bulletin of the Seismological Society of America, 84(2), 466-472.
- Detterman et al. 1975. (Detterman, R. L., Travis Hudson, and J. M. Hoare. 1975.) Bruin Bay Fault Inactive During the Holocene. United States Geological Survey Alaska Program, 1975, pg. 45. April 29.
- Detterman and Reed. 1980. (Detterman, R. L., and B. L. Reed. 1980.) Stratigraphy, Structure, and Economic Geology of the Iliamna Quadrangle, Alaska. USGS. June 4.
- Detterman and Reed. 1973. Surficial Deposits of the Iliamna Quadrangle, Alaska. US Geological Survey Bulletin 1368-A.
- Deur, D. 2008. Alagnak Wild River Visitor Use Project: Alagnak Wild River Resident Users Study. Pacific Northwest Cooperative Ecosystem Studies Unit. University of Washington.
- Deur et al. (Deur, D., K. Evanoff, and J. Hebert. 2018.) Respect the Land-It's Like Part of Us: A Traditional Use Study of Inland Dena'ina Ties to the Chulitna River & Sixmile Lake Basins, Lake Clark National Park and Preserve.
- Di Meglio, E. B. 2019. Decadal Changes in Lichen and Vegetation Communities in Relation to Metal Deposition and Climate in Northern Alaska.

- Dickins. 2018. Pebble Project Ice Database 1997–2016. Final Report. Prepared for the Pebble Limited Partnership. August 27.
- Dillard et al. 2012. (Dillard, D. A., J. J. Smith, E. D. Ferucci, and A. P. Lanier. 2012.) Depression prevalence and associated factors among Alaska Native people: the Alaska Education and Research Toward Health (EARTH) study. *Journal of affective disorders*, 136(3), 1088-1097.
- Dillon et al. 2010. (Dillon, T., N. Beckvar, and J. Kern) Residue-based mercury dose-response in fish: An analysis using lethality-equivalent test endpoints. *Environmental Toxicology and Chemistry* 29: 2559-2565.
- Dischner, M. 2016a. Bristol Bay brand to feature modern logo, emphasize story. KDLG. Accessed July 2019. Available: <https://www.kdlg.org/post/bristol-bay-brand-feature-modern-logo-emphasize-story#stream/0>.
- Dischner, M. 2016b. New Bristol Bay sockeye logo launches. KDLG. Accessed July 2019. Available: <https://www.kdlg.org/post/new-bristol-bay-sockeye-logo-launches#stream/0>.
- Dischner, M. 2015a. By Road, Lake and River: Boats Make their Way to Bristol Bay. Published by Peninsula Clarion. June 20. Available: <https://www.peninsulaclarion.com/news/2015-06-20/by-road-lake-and-river-boats-make-their-way-to-bristol-bay/>.
- Dischner, M. 2015b. AK: The Journey to Bristol Bay's Fishing Grounds. Published by Alaska Public Media. June 26. Available: <https://www.alaskapublic.org/2015/06/26/ak-the-journey-to-bristol-bays-fishing-grounds/>.
- DNR (Alaska Department of Natural Resources). 2001. Kenai Area Plan, West Side of Cook Inlet South of Redoubt Bay.
- Dolbeer et al. 2013. (Dolbeer, R. A., S. E. Wright, J. Weller, and M. J. Begier. 2013.) Wildlife Strikes to Civil Aircraft in the United States 1990–2012. Federal Aviation Administration, National Wildlife Strike Database Serial Report Number 19. September.
- Doley, D. 2006. Airborne particulates and vegetation: Review of physical interactions. *Clean Air and Environmental Quality*, 40(2), 36.
- Dooling and Popper 2007. (Dooling, R. J., and A. N. Popper. 2007.) The Effects of Highway Noise on Birds. Prepared by Environmental BioAcoustics LLC. Prepared for the California Department of Transportation, Division of Environmental Analysis. September 30.
- Douglas, T. 2006. Review of Groundwater-Slalom Interactions in British Columbia. Walter and Duncan Gordon Foundation.
- DOWL. 2016. Southwest Alaska Transportation Plan Update. Prepared for the Alaska Department of Transportation and Public Facilities.
- DP (Diamond Point LLC). 2018. Diamond Point LLC: What We Do. Available: www.diamondpointllc.com Accessed October 2018.
- Driscoll et al. 2013. (Driscoll, C. T., R. P. Mason, H. M. Chan, D. J. Jacob, and N. Pirrone. 2013.) Mercury as a global pollutant: Sources, pathways, and effects. *Environ Sci Technol* 47:4967–4983.
- Duffield et al. 2007. (Duffield, J., D. Patterson, and C. Neher. 2007.) Economics of Wild Salmon Watersheds: Bristol Bay, Alaska. Revised Final Report. Prepared for Trout Unlimited, Alaska. February.

- Dunbar, D. 2013. Modeling of Pit Lakes. In *Acidic Pit Lakes—The Legacy of Coal and Metal Surface Mines*, eds. W. Geller, M. Schultze, R. Kleinmann, and C. Wolkersdorfer, Chapter 3, 186–224. Berlin and Heidelberg, Germany: Springer-Verlag.
- Duncan et al. 2004. (Duncan, C. A., Jachetta, J., Brown, M.L. and Carrithers, V.F. 2004.) Assessing the Economic, Environmental, and Societal Losses from Invasive Plants on Rangeland and Wildlands. *Weed Technology*, 18(sp1):1411-1416.
- Dunlop, R. A. 2016. The effect of vessel noise on humpback whale, *Megaptera novaeangliae*, communication behavior. *Animal Behavior*, 111:13-21.
- Dunlop et al. 2013. (Dunlop, R. A., D. H. Cato, M. J. Noad, and D. M. Stokes. 2013.) “Source levels of social sounds in migrating humpback whales (*Megaptera novaeangliae*),” *J. Acoust. Soc. Am.* 134, 706–714.
- Durham University. 1997. Earthworks. Available: <http://community.dur.ac.uk/~des0www4/cal/roads/earthwk/earthwk.html>. Last updated February 25, 1997.
- eBird. 2018. eBird: An Online Database of Bird Distribution and Abundance [web application]. Ithaca, NY: Cornell Lab of Ornithology. Available: <http://www.ebird.org>. Accessed May 8, 2018.
- Eisler, R. 1987. Mercury hazards to fish, wildlife, and invertebrates: a synoptic review. US Department of the Interior, Fish and Wildlife Service.
- Ekino et al. 2007. (Ekino, S., M. Susa, T. Ninomiya, K. Imamura, and T. Kitamura. 2007.) Minamata disease revisited: an update on the acute and chronic manifestations of methyl mercury poisoning. *Journal of the neurological sciences*, 262(1-2), 131-144.
- Eley, W. D. 2012. Cook Inlet Vessel Traffic Study. Report to Cook Inlet Risk Assessment Advisory Panel. Juneau, AK: Cape International, Inc. January 12. 86 pp. Available: <http://www.cookinletriskassessment.com/documents/120206CIVTSvFINAL.pdf>.
- Ellanna and Wheeler. 1989. (Ellanna, L. J., and P. C. Wheeler. 1989.) Wetlands and Subsistence-Based Economies in Alaska, U.S.A., *Arctic and Alpine Research*, 21:4, 329-340.
- Engelhardt, F. R. 1987. Assessment of the Vulnerability of Marine Mammals to Oil Pollution. In *Fate and Effects of Oil in Marine Ecosystems*, eds. J. Kiuper and W. J. Van Den Brink, 101–115. Boston, MA: Martinus Nijhoff Publishing.
- English et al. 2018. (English, E., R. H. von Haefen, J. Herriges, C. Leggett, F. Lupi, K. McConnell, M. Welsh, A. Domanski, and N. Meade. 2018.) Estimating the value of lost recreation days from the deepwater horizon oil spill. *Journal of Environmental Economics and Management*, June 2018. DOI: 10.1016/j.jeem.2018.06.010.
- EPA (US Environmental Protection Agency). 2020. The Navigable Waters Protection Rule: Definition of “Wates of the United States”, vol. 85 Federal Register No. 77 (April 21, 2020).
- EPA. 2019b. Who has to obtain a Title V permit? Operating permits issued under Title V of the Clean Air Act. Accessed January, 2019. Available: <https://www.epa.gov/title-v-operating-permits/who-has-obtain-title-v-permit>.
- EPA. 2019c. Agency Comments on the Draft Environmental Impact Statement, Section 3.6 and 4.6. July 1, 2019.

- EPA. 2018a. Search for Superfund Sites Where You Live. Available: <https://www.epa.gov/superfund/search-superfund-sites-where-you-live>. Accessed March 2018.
- EPA. 2018b. Clean Air Status and Trends Network (CASTNET) for Denali National Park (site DEN417). Available: <http://views.cira.colostate.edu/fed/SiteBrowser/Default.aspx>. Accessed March 2018.
- EPA. 2018c. Visibility and Regional Haze. Available: <http://www.epa.gov/visibility>. Accessed March 2018.
- EPA. 2018d. Technical Review of a Threshold-Based Approach for Determining Significant Degradation in Alaska. July 5.
- EPA. 2017c. Drinking Water Contaminants—Standards and Regulations. Available: <https://www.epa.gov/dwstandardsregulations>.
- EPA. 2016a. Promising Practices for EJ Methodologies in NEPA Reviews, Report of the Federal Interagency Working Group on Environmental Justice & NEPA Committee. A NEPA Committee and EJ IWG Document. March.
- EPA. 2016b. Ecological Toxicity Information. Available: <https://archive.epa.gov/reg5sfun/ecology/web/html/toxprofiles.html>. Accessed December 17, 2018.
- EPA. 2014. An Assessment of Potential Mining Impacts on Salmon Ecosystems of Bristol Bay, Alaska, Bristol Bay Wild Salmon Ecosystem: Baseline Levels of Economic Activity and Values. EPA 910-R-14-001. Region 10, Seattle, WA. January.
- EPA. 2013k. State-Specific Water Quality Standards Effective under the Clean Water Act (CWA). Available: <https://www.epa.gov/wqs-tech/state-specific-water-quality-standards-effective-under-clean-water-act-cwa>. Accessed October 8, 2014.
- EPA. 2008. Provisional Peer Reviewed Toxicity Values for Cobalt (CASRN 7440-48-4). EPA National Center for Environmental Assessment, EPA/690/R-08/008F, Final. August 25.
- EPA. 2007. Factors for Identifying and Assessing Disproportionate Environmental Health Impacts. EPA Archive Document.
- EPA. 2007b. Aquatic Life Ambient Freshwater Quality Criteria—Copper. EPA-822-R-07-001. CAS Registry Number 7440-50-8. February.
- EPA. 2006. Provisional Peer Reviewed Toxicity Values for Aluminum (CASRN 7429-90-5). EPA National Center for Environmental Assessment, EPA/690/R-06/001F, Final, October 23.
- EPA. 2005. Human Health Risk Assessment Protocol for Hazardous Waste Combustion Facilities. EPA520-R-05-006. Washington, DC: Office of Solid Waste and Emergency Response.
- EPA. 2002. Summary of Biological Assessment Programs and Biocriteria Development for States, Tribes, Territories, and Interstate Commissions: Streams and Wadeable Rivers. EPA-822-R-02-048. Washington, DC: Office of Environmental Information and Office of Water.
- EPA. 2001. Water Quality Criterion for the Protection of Human Health: Methylmercury, Fact Sheet. Office of water, EPA-823-F-01-001. January 3.
- EPA. 1999b. Understanding Oil Spills and Oil Spill Response. EPA 540-K-99-007. Washington, DC: Office of Emergency and Remedial Response.

- EPA. 1996. Pump-and-treat ground-water remediation—A guide for decision makers and practitioners. Office of Research and Development. July.
- EPA. 1996b. 1995 Updates: Water Quality Criteria Documents for the Protection of Aquatic Life in Ambient Water. US EPA. Washington, DC 20460, EPA/820/B-96/001. September 1996.
- EPA. 1995. Great Lakes water quality initiative: Criteria documents for the protection of wildlife: DDT, mercury, 2, 3, 7, 8-TCDD, PCBs.
- EPA. 1993. Interagency Workgroup on Air Quality Modeling (IWAQM) Phase 1 Report: Interim Recommendation for Modeling Long Range Transport and Impacts on Regional Visibility. EPA-454/R-93-015. April.
- EPA. 1988. Groundwater Modeling: An Overview and Status Report. December.
- EPA. 1986. Quality Criteria for Water 1986. May 1.
- EPA. 1978. Protective Noise Levels Condensed Version of EPA Levels Document. EPA 550/9-79-100. Washington, DC: Office of Noise Abatement & Control. November.
- EPI. 2020. Columbus Upground Reservoir (CUGR). Accessed April 17.
- Erbe, C. 2002. Hearing Abilities of Baleen Whales. Defence R&D Canada, Contractor Report.
- Erbe et al. 2016 (Erbe, C., M. Parsons, A. J. Duncan, and K. Allen. 2016.) Underwater Acoustic Signatures of Recreational Swimmers, Divers, Surfers and Kayakers. Australian Acoustical Society, 44:333-341.
- Erbe and Farmer. 2000. (Erbe, C., and D. M. Farmer. 2000. Zones of impact around icebreakers affecting beluga whales in the Beaufort Sea. Journal of the Acoustical Society of America 108:1332–1340.
- Erikson, D. 1977. Distribution, Abundance, Migration and Breeding Locations of Marine Birds—Lower Cook Inlet, Alaska, 1976. Alaska Department of Fish and Game, Marine/Coastal Habitat Management. Environmental Studies of Kachemak Bay and Lower Cook Inlet. Volume VIII.
- Eriksen and Brown. 2011. (Eriksen, S., and K. Brown. 2011.) Sustainable adaptation to climate change, Climate and Development, 3:1, 3-6, DOI: 10.3763/cdev.2010.0064.
- ERM. (Environmental Resources Management) 2018a. Pebble Project Supplemental Environmental Baseline Document 2004–2012. Section 9.1, Surface Water Quality.
- ERM. 2017. Dutch Harbor to Bethel Fuel Barge Oil Spill Risk Assessment. Final. Prepared for Donlin Gold, LLC. January.
- Ernst, W. H. 2006. Evolution of metal tolerance in higher plants. For Snow Landsc Res, 80(3), 251-274.
- Esler et al. 2002. (Esler, D. T., D. Bowman, K. A. Trust, B. E. Ballachey, T. A. Dean, S. C. Jewett, and C. E. O’Clair. 2002.) Harlequin duck population recovery following the “Exxon Valdez” oil spill: Progress, process and constraints. Marine Ecology Progress Series 241:241–271.
- Esler et al. 2018. (Esler, D., B. E. Ballachey, C. Matkin, D. Cushing, R. Kaler, J. Bodkin, D. Monson, G. Esslinger, and K. Kloecker. 2018). Timelines and mechanisms of wildlife population recovery following the Exxon Valdez oil spill. Deep-Sea Research Part II 147: 36-42.

- Esslinger, G. G., 2018. Gulf Watch Alaska Nearshore Component: sea otter aerial survey data from Katmai National Park and Preserve, 2008 – 2018 (ver. 2.0, March 2020): US Geological Survey data release, <https://doi.org/10.5066/F7930SG7>.
- Estes and Duggins. 1995. Estes, J. A., and D. O. Duggins. 1995.) Sea otters and kelp forests in Alaska: generality and variation in a community ecological paradigm. *Ecological Monographs*, 65(1), 75-100.
- Etkin, D. S. 2006. Risk Assessment of Oil Spills to US Inland Waterways. Environmental Research Consulting.
- Evanoff, K. E. (ed.). 2010. Dena'ina Elnena: A Celebration. Lake Clark National Park, Anchorage, AK.
- Evans et al. 2013. (Evans, S., M. Kukkonen, D. Holen, and D. S. Koster. 2013.) Harvests and Uses of Wild Resources in Dillingham, Alaska, 2010. Alaska Department of Fish and Game, Division of Subsistence Technical Paper No. 375.
- Executive Order 13817. A Federal Strategy To Ensure Secure and Reliable Supplies of Critical Minerals. CFR 82: 60835. December 26.
- Ezer et al. 2013. (Ezer, T., J. R. Ashford, C. M. Jones, B. A. Mahoney, and R. C. Hobbs. 2013.) Physical-biological interactions in a Subarctic estuary: How do environmental and physical factors impact the movement and survival of beluga whales in Cook Inlet, Alaska? *Journal of Maritime Systems* 111–112, 120–129, doi:10.1016/j.jmarsys.2012.10.007.
- FAA (Federal Aviation Administration). 2018. IFR Enroute Low Altitude—Alaska. Effective November 8, 2018, to January 3, 2019. FAA Product ID: ELAK3.
- FAA. 2018b. Advisory Circular. Subject: Obstruction Marking and Lighting Change: 2. AC No. 70/7460-1L.
- Fahrig and Rytwinski. 2009. (Fahrig, L., and T. Rytwinski. 2009.) Effects of roads on animal abundance: an empirical review and synthesis. *Ecology and Society* 14(1):21. Available: <http://www.ecologyandsociety.org/vol14/iss1/art21/>.
- Fair et al. 2012. (Fair, L. F., C. E. Brazil, X. Zhang, R. A. Clark, and J. W. Erickson. 2012.) Review of salmon escapement goals in Bristol Bay, Alaska, 2012. Alaska Department of Fish and Game, Fishery Manuscript Series No. 12-04, Anchorage.
- Falchi et al. 2016a. (Falchi, F., P. Cinzano, D. Duriscoe, C. C. M. Kyba, C. D. Elvidge, K. Baugh, B. A. Portnov, N. A. Rybnikova, and R. Furgoni. 2016a.) The new world atlas of artificial night sky brightness. *Science Advances* 2016:2.
- Falchi et al. 2016b. (Falchi, F., P. Cinzano, D. Duriscoe, C. C. M. Kyba, C. D. Elvidge, K. Baugh, B. Portnov, N. A. Rybnikova, and R. Furgoni. 2016b.) Supplement to: The New World Atlas of Artificial Night Sky Brightness. GFZ Data Services. Available: <http://doi.org/10.5880/GFZ.1.4.2016.001>.
- Fall et al. 2010. (Fall, J. A., D. Holen, T.M. Krieg, R. La Vine, K. Stickman, M. Ravenmoon, J. Hay, and J. Stariwat. 2010) The Kvichak Watershed Subsistence Salmon Fishery: An Ethnographic Study. Alaska Department of Fish and Game Division of Subsistence Technical Report No. 352. March.
- Fall et al. 2006. (Fall, J. A., D. L. Holen, B. Davis, T. Krieg, and D. Koster. 2006.) Subsistence Harvests and Uses of Wild Resources in Iliamna, Newhalen, Nondalton, Pedro Bay, and

- Port Alsworth, Alaska, 2004. Technical Paper No. 302. Alaska Department of Fish and Game, Division of Subsistence.
- Fall et al. 2000. (Fall, J. A., V. Vanek, L. A. Brown, G. Jennings, R. J. Wolfe, and C. Utermohle. 2000.) Wild Resource Harvests and Uses by Residents of Selected Communities of the Kenai Peninsula Borough. Technical Paper No. 253. Alaska Department of Fish and Game, Division of Subsistence.
- Fall and Kostick. 2018. (Fall, J. A., and M. L. Kostick. 2018.) Food Security and Wild Resource Harvests in Alaska. Alaska Department of Fish and Game Division of Subsistence. Available: http://www.adfg.alaska.gov/static/home/subsistence/pdfs/food_security_whitepaper.pdf.
- FAO (Food and Agriculture Organization of the United Nations). 2018. Fishery and Aquaculture Statistics. Global Production by Production Source 1950–2016 (FishStatJ—Software for Fishery Statistical Time Series). Fisheries and Aquaculture Department. Rome, Italy. Available: www.fao.org/fishery/statistics/software/fishstatj/en.
- FAO. 2006. Food Security. Policy Brief, June 2006, Issue 2. Available: http://www.fao.org/fileadmin/templates/faoitaly/documents/pdf/pdf_Food_Security_Cocept_Note.pdf.
- Farmer, A. M. 1993. The effects of dust on vegetation—a review. *Environmental pollution*, 79(1), 63-75.
- Fast, A. 2018. Flood Recedes from Williamsport–Pile Bay Portage Route. Alaska Public Media, KDLG. June 20. Available: <https://www.kdlg.org/post/flood-recedes-williamsport-pile-bay-portage-route#stream/0>. Accessed September 2018.
- Fastie, C. L. 1995. Causes and ecosystem consequences of multiple pathways of primary succession at Glacier Bay, Alaska. *Ecology*, 76(6), 1899-1916.
- FBI (Federal Bureau of Investigation). 2017. Uniform Crime Reporting Program: (Reported by Police Departments). Summary Website: <https://www.fbi.gov/news/pressrel/press-releases/fbi-releases-2017-crime-statistics>. Database Website: <https://crime-data-explorer.fr.cloud.gov/explorer/state/alaska/crime>.
- FDA (US Food and Drug Administration). 2018. Food Additive Status List. Available: <https://www.fda.gov/food/food-additives-petitions/food-additive-status-list>. Accessed July 17, 2019.
- Feder et al. 2005. (Feder, H. M., S. C. Jewett, and A. Blanchard. 2005.) Southeastern Chukchi Sea (Alaska) epibenthos. *Polar Biology* 28:402–421.
- Fell et al. 2015. (Fell, R., P. MacGregor, D. Stapledon, G. Bell, and M. Foster. 2015.) *Geotechnical Engineering of Dams*. London: CRC Press.
- Fenner, C. N. 1920. The Katmai region, Alaska, and the great eruption of 1912. *The Journal of Geology*, 28(7), 569-606.
- FERC (Federal Energy Regulatory Commission). 2019. FERC Staff Issues Draft Environmental Impact Statement for the Alaska LNG Project (CP17-178-000). June 28.
- FERC. 2019b. Environmental Assessment for Hydropower License, Igiugig Hydrokinetic Project—FERC Project No. 13511-003 Alaska. February.
- FERC. 2018. Nushagak Cooperative, Inc.; Notice of Preliminary Permit Application Accepted for Filing and Soliciting Comments, Motions To Intervene, and Competing Applications. Department of Energy, 83 FR 15826. April 6.

- Ferguson et al. 2015. (Ferguson, M. C., C. Curtice, and J. Harrison. 2015.) Biologically important areas for cetaceans within US waters—Gulf of Alaska Region. *Aquatic Mammals* 41(1):65–78.
- Fett, R. W. 1993. The Kamishak gap wind as depicted in DMSP OLS and SSM/I data. *International Journal of Remote Sensing*, 14(3), 403-423.
- Fewtrell and Mccauley. 2012. (Fewtrell, J. L., and R. D. Mccauley. 2012.) Impact of air gun noise on the behaviour of marine fish and squid. *Marine Pollution Bulletin* 64:984-993.
- FGDC (Federal Geographic Data Committee). 2013. Classification of Wetlands and Deepwater Habitats of the United States. Wetlands Subcommittee. August.
- FHWA (Federal Highway Administration). 2006. FHWA Roadway Construction Noise Model User's Guide. Final Report. January.
- Figueredo et al. 2018. (Figueredo, N., M. L. Serralheiro, J. Canário, A. Duarte, H. Hintelmann, and C. Carvalho. 2018.) Evidence of mercury methylation and demethylation by the estuarine microbial communities obtained in stable Hg isotope studies. *International journal of environmental research and public health*, 15(10), 2141.
- Finneran et al. 2002. (Finneran, J. J., D. A. Carder, and S. H. Ridgway. 2002.) Low-frequency acoustic pressure, velocity, and intensity thresholds in a bottlenose dolphin (*Tursiops truncatus*) and white whale (*Delphinapterus leucas*).
- Finneran and Branstetter. 2013. (Finneran, J., and B. Branstetter. 2013.) Effects of Noise on Sound Perception in Marine Mammals. Pages 273-308.
- Finneran and Schlundt. 2013. (Finneran, J. J., and C. E. Schlundt. 2010.) Frequency-dependent and longitudinal changes in noise-induced hearing loss in a bottlenose dolphin (*Tursiops truncatus*). *The Journal of the Acoustical Society of America* 128:567-570.
- Fitzgerald et al. 2009. (Fitzgerald, D., R. Nicholson, and L. Regoli. 2009.) Environmental Management Criteria for Molybdenum and Selenium: A Review Relevant to the Mining Industry.
- FLAG (Federal Land Managers' Air Quality Related Values Work Group). 2010. Phase I Report Revised.
- Flagstad et al. 2019. (Flagstad, L. A., K. W. Boggs, T. V. Boucher, M. L. Carlson, M. Anjanette Steer, B. Bernard, M. Aisu, P. Lema, and T. Kuo. 2019.) Assessing the gap between conservation need and protection status for select rare ecosystems in Alaska. *Conservation Science and Practice*, 1(7), e47.
- Flanders et al. 2010. (Flanders, J. R., R. R. Turner, T. Morrison, R. Jensen, J. Pizzuto, K. Skalak, and R. Stahl. 2010.) Distribution, behavior, and transport of inorganic and methylmercury in a high gradient stream. *Applied Geochemistry*, 25(11), 1756-1769.
- Fleming et al. 2006. (Fleming, E. J., E. E. Mack, P. G. Green, and D. C. Nelson. 2006.) Mercury methylation from unexpected sources: molybdate-inhibited freshwater sediments and an iron-reducing bacterium. *Appl. Environ. Microbiol.*, 72(1), 457-464.
- Flynn et al. 2012 (Flynn, R. W., S. B. Lewis, L. R. Beier, G. W. Pendleton, A. P. Crupi, and D. P. Gregovich. 2012.) Spatial use, habitat selection, and population ecology of brown bears along the proposed Juneau Access Improvements road corridor, Southeast Alaska. Final Wildlife Research Report. ADF&G/DWC/WRR-2012-04. Alaska Department of Fish and Game, Juneau, AK. USA.

- Foote et al. 2004. (Foote, A. D., R. W. Osborne, and A. R. Hoelzel. 2004.) Whale-call response to masking boat noise. *Nature* 428:910.
- Ford and Hasselbach. 2001. (Ford, J., and L. Hasselbach. 2001.) Heavy metals in mosses and soils on six transects along the Red Dog Mine Haul Road, Alaska. Western Arctic National Parklands National Park Service.
- Foster and Karlstrom. 1967. (Foster, H. L., and T. N. Karlstrom. 1967.) Ground breakage and associated effects in the Cook Inlet area, Alaska, resulting from the March 27, 1964 earthquake. US Government Printing Office.
- Fourie, A. 2009. Future tailings management strategies—High time we took the high road. In D. Overton (Ed.), *Proceedings of the 12th International Conference on Tailing and Mine Waste* (Vail, Colorado, USA ed., Vol. 1, pp. 3-13). London: Taylor & Francis.
- Fournet et al. 2018. (Fournet, M. E. H., L. Jacobsen C. M. Gabriele, D. K. Mellinger, and H. Klinck. 2018.) More of the same: allopatric humpback whale populations share acoustic repertoire. *PeerJ* 6:e5365; DOI 10.7717/peerj.5365.
- Fox et al. 1997. (Fox, A. D., C. Mitchell, G. Henriksen, E. Lund, and B. Frantzen. 1997.) The conservation of Steller's eider *Polysticta stelleri* in Varangerfjord, Finnmark, Norway. *Wildfowl* 48:156–165.
- Franci et al. 2018 (Franci, C. D., A. Aleksieva, E. Boulanger, J. Brandenburg, T. Johnston, A. Malinova, and J. A. Head. 2018). Potency of polycyclic aromatic hydrocarbons in chicken and Japanese quail embryos. *Environmental toxicology and chemistry*, 37(6), 1556-1564.
- Francis et al. 2009. (Francis, C. D., C. P. Ortega, and A. Cruz. 2009.) Noise pollution changes avian communities and species interactions. *Current Biology* 19:1415–1419.
- Frankel and Clark. 1998. (Frankel, A. S., and C. W. Clark. 1998.) Results of low-frequency playback of M-sequence noise to humpback whales, *Megaptera novaeangliae*, in Hawai'i. *Canadian Journal of Zoology* 76:521-535.
- Friday et al. 2013. (Friday, N. A., A. N. Zerbini, J. M. Waite, S. E. Moore, and P. J. Clapham. 2013.) Cetacean distribution and abundance in relation to oceanographic domains on the eastern Bering Sea shelf, June and July of 2002, 2008, and 2010. *Deep Sea Research Part II: Topical Studies in Oceanography*, 94, 244-256.
- Frimer, O. 1994. The behaviour of moulting King Eiders *Somateria spectabilis*. *Wildfowl* 45(45):176–187.
- Frissel, C. A. 2014. An Assessment of Potential Mining Impacts on Salmon Ecosystems of Bristol Bay, Alaska. Volume 3, Appendix G: Foreseeable Environmental Impact of Potential Road and Pipeline Development on Water Quality and Freshwater Fishery Resources of Bristol Bay, Alaska. Report to University of Alaska, Anchorage. Environment and Natural Resources Institute and Alaska Natural Heritage Program.
- Fritts, E. I. 2007. *Wildlife and People at Risk: A Plan to Keep Rats Out of Alaska*. Alaska Department of Fish and Game. Juneau Alaska. 190 pp.
- Frohne et al. 2012. (Frohne, T., J. Rinklebe, U. Langer, G. D. Laing, S. Mothes, and R. Wennrich. 2012.) Biogeochemical factors affecting mercury methylation rate in two contaminated floodplain soils. *Biogeosciences*, 9(1), 493-507.
- Frost et al. 2005. (Frost, K. J., L. F. Lowry, J. M. Ver Hoef, and S. J. Iverson. 1997.) Monitoring, Habitat Use, and Trophic Interactions of Harbor Seals in Prince William Sound, Alaska.

- Exxon Valdez Oil Spill Restoration Project Annual Report, Restoration Project 96064 Annual Report. Fairbanks, AK, and Halifax, NS, Canada. June.
- FTA (Federal Transit Administration). 2018. Transit Noise and Vibration Impact Assessment Manual (No. FTA Report No. 0123). United States. Federal Transit Administration. Office of Planning and Environment. September.
- FTA. 2006. Transit Noise and Vibration Impact Assessment. FTA-VA-90-1003-06. May.
- Garibaldi, A. 1999. Medicinal flora of the Alaska natives. Anchorage: University of Alaska, Alaska Natural Heritage Program.
- Garlich-Miller et al. 2018. (Garlich-Miller, J. L., G. G. Esslinger, and B. P. Weitzman. 2018.) Aerial Surveys of Sea Otters (*Enhydra lutris*) in Lower Cook Inlet, Alaska, May 2017. Technical Report MMM 2018-01. Anchorage, AK: US Fish and Wildlife Service. 22 pp.
- Garshelis, D. L. 1987. 48. Sea Otter. Forest Wildlife Populations and Research Group, Minnesota Department of Natural Resources. May 29.
- Geist et al. 2002. (Geist, D. R., T. P. Hanrahan, E. V. Arntzen, G. A. McMichael, C. J. Murray, and Y. J. Chien. 2002.). Physicochemical characteristics of the hyporheic zone affect redd site selection by chum salmon and fall Chinook salmon in the Columbia River. North American Journal of Fisheries Management, 22(4), 1077-1085.
- Gende et al. 2002. (Gende, S. M., R. T. Edwards, M. F. Willson, and M. S. Wipfli. 2002.) Pacific salmon in aquatic and terrestrial ecosystems: Pacific salmon subsidize freshwater and terrestrial ecosystems through several pathways, which generates unique management and conservation issues but also provides valuable research opportunities. BioScience, 52(10), 917-928.
- Gende et al. 2014. (Gende, S.M., T. P. Quinn, M. F. Willson, R. Heintz, and T. M. Scott 2004.) Magnitude and Fate of Salmon-Derived Nutrients and Energy in a Coastal Stream Ecosystem, Journal of Freshwater Ecology, 19:1, 149-160, DOI: 10.1080/02705060.2004.9664522.
- GeoEngineers. 2018a. Pebble Port Alternatives Baseline Studies 2017 Chemistry Data Report, Amakdedori Beach and Iliamna Lake Cook Inlet, Alaska. Prepared for Pebble Limited Partnership. October 8.
- GeoEngineers. 2018b. Environmental Baseline Studies. 2018 Field Sampling Plan—Marine, Amakdedori Beach, Cook Inlet, Alaska. Report to The Pebble Partnership.
- GeoEngineers. 2018c. Synthesis of Nearshore Habitats of Current and Proposed Port Alternatives for the Pebble Mine Project. Cook Inlet, Alaska. Report to The Pebble Partnership. October 5.
- GeoEngineers. 2018d. 2018 Fisheries Studies Data Summary Report. Port Alternatives and Transportation Studies Amakdedori Beach; Third Party EIS Support, Southcentral Alaska. File No. 22802-001-01. Report to The Pebble Partnership. Redmond, WA.
- Geoslope 2019. SEEP/W and SEEP3D: Groundwater Flow Analysis. Accessed November 1.
- Geotechdata 2013. Angle of Friction. December 14.
- Gerrard and St. Louis. 2001. (Gerrard, P. M., and V. L. St. Louis 2001.) The effects of experimental reservoir creation on the bioaccumulation of methylmercury and reproductive success of tree swallows (*Tachycineta bicolor*). Environmental science & technology, 35(7), 1329-1338.

- Gervaise et al. 2012. (Gervaise, C., Y. Simard, N. Roy, B. Kinda, and N. Ménard. 2012.) Shipping noise in whale habitat: Characteristics, sources, budget, and impact on belugas in Saguenay–St. Lawrence Marine Park hub. *Journal of the Acoustical Society of America* 132(1):76–89.
- Ghoul and Reichmuth. 2016. (Ghoul, A., and C. Reichmuth. 2016.) Auditory Sensitivity and Masking Profiles for the Sea Otter (*Enhydra lutris*). Long Marine Laboratory. Santa Cruz, CA.
- Ghoul and Reichmuth. 2014. Hearing in sea otters (*Enhydra lutris*): audible frequencies determined from a controlled exposure approach. *Aquatic Mammals* 40(3):Online First.
- Ghoul and Reichmuth. 2012. Sound Production and Reception in Southern Sea Otters (*Enhydra lutris nereis*). In *The Effects of Noise on Aquatic Life*, eds. A. N. Popper and A. Hawkins, 157–159. Springer Science.
- Gibson and Klinck. 2005. (Gibson, G., and J. Klinck. 2005.) Canada's resilient north: The impact of mining on aboriginal communities. *Pimatisiwin*, 3(1), 116-139.
- Gill et al. 2014. (Gill, H. K., T. C. Lantz, B. O'Neill, and S. V. Kokelj. 2014.) Cumulative impacts and feedbacks of a gravel road on shrub tundra ecosystems in the Peel Plateau, Northwest Territories, Canada. *Arctic, Antarctic, and Alpine Research*, 46(4), 947-961.
- Gill et al. 2009. (Gill, V. A., A. M. Doroff, and D. M. Burn. 2009.) Aerial Surveys of Sea Otters (*Enhydra lutris*) in Kachemak Bay, Alaska, 2008. Anchorage, AK: US Fish and Wildlife Service, Marine Mammals Management Office. 21 pp.
- Gill and Tibbitts. 1999. (Gill, R. E. Jr., and T. L. Tibbitts. 1999.) Seasonal Shorebird Use of Intertidal Habitat in Cook Inlet, Alaska. Final Report. US Geological Survey Biological Resources Division, Alaska Biological Science Center, Minerals Management Service, Alaska Outer Continental Shelf Region. September.
- Gill, V. 2018. Personal communication from NOAA Fisheries staff regarding Cook Inlet beluga whale sightings in Kachemak Bay. Cook Inlet Beluga Whale Photo ID Project. October 2018.
- Gillis et al. 2009. (Gillis, R. J., D. L. LePain, K. D. Ridgway, and E. S. Finzel. 2009.) A Reconnaissance View of an Unnamed Fault Near Capps Glacier, Northwestern Cook Inlet Basin, and its Potential as a Regional-Scale, Basin-Controlling Structure. Preliminary Interpretive Report 3. Alaska Department of Natural Resources, Division of Geological and Geophysical Surveys.
- Gilmour et al. 1998. (Gilmour, C. C., G. S. Riedel, M. C. Ederington, J. T. Bell, J. M. Benoit, G. A. Gill, and M. C. Stordal. 1998.) Methylmercury concentrations and production rates across a trophic gradient in the northern Everglades. *Biogeochemistry*, 40(2–3), 327.
- Gilmour et al. 1992. (Gilmour, C. C., E. A. Henry, and R. Mitchell. 1992.) Sulfate stimulation of mercury methylation in freshwater sediments. *Environmental Science & Technology*, 26, 2,281–2,287.
- Giroud and Bonaparte. 1989. (Giroud, J. P., and R. Bonaparte. 1989.) Leakage through liners constructed with geomembranes—Part I. Geomembrane Liners. *Geotextiles and Geomembranes* 8(1):27–67.
- Glass, R. L. 2001. Ground-water Quality in the Cook Inlet Basin, Alaska, 1999. US Geological Survey.

- Glass et al. 2004. (Glass, R. L., T. P. Brabets, S. A. Frenzel, M. S. Whitman, and R. T. Ourso. 2004.) Water Quality in the Cook Inlet Basin Alaska, 1998-2001. Circular 1240. US Department of the Interior. USGS.
- Glosten (The Glosten Associates). 2012. Cook Inlet Maritime Risk Assessment Spill Baseline and Accident Causality Study. Prepared for Nuka Research & Planning Group. June 29.
- Goetz et al. 2012. (Goetz, K. T., P. W. Robinson, R. C. Hobbs, K. L. Laidre, L. A. Huckstadt, and K. E. W. Sheldon. 2012.) Movement and Dive Behavior of Beluga Whales in Cook Inlet, Alaska. AFSC Processed Report 2012 03. 40 pp. Seattle, WA: Alaska Fisheries Science Center, National Oceanic and Atmospheric Administration, National Marine Fisheries Service. March.
- Gordon et al. 2003. (Gordon, J. C. D., D. Gillespie, J. Potter, A. Frantzis, M. P. Simmonds, R. Swift. and D. Thompson. 2003.) A review of the effects of seismic surveys on marine mammals. Marine Technology Society Journal 37:16-34.
- Gough et al. 1979. (Gough, L. P., H. T. Shacklette, and A. A. Case. 1979.) Element Concentrations Toxic to Plants, Animals, and Man. An Appraisal of the Toxicity Hazard to Plants, Animals, and Man from Natural and Manmade Element Concentrations of Environmental Concern. US Department of the Interior, Geological Survey Bulletin 1466.
- Gould, N. C. 2003. Understanding the Language of Seismic Risk Analysis. International Risk Management Institute, Inc. Available: <https://www.irmi.com/articles/expert-commentary/understanding-the-language-of-seismic-risk-analysis>. Accessed March 21, 2018.
- Goyert et al. 2018. (Goyert, H. F., E. O. Garton, and A. J. Poe. 2018.) Effects of Climate Change and Environmental Variability on the Carrying Capacity of Alaskan Seabird Populations. The Auk Vol. 135: 975-991.
- Graymont (Graymont QC Inc.). 2012. Material Safety Data Sheet—High Calcium Quicklime. May.
- Greer et al. 2010. (Greer, R. D., R. H. Day, and R. S. Bergman. 2010.) Literature Review, Synthesis, and Design of Monitoring of Ambient Artificial Light Intensity on the OCS Regarding Potential Effects on Resident Marine Fauna. Prepared for Minerals Management Service. July.
- Gregory and Levings. 1996. (Gregory, R. S., and C. D. Levings. 1996.) The effects of turbidity and vegetation on the risk of juvenile salmonids, *Oncorhynchus* spp., to predation by adult cutthroat trout, *O. clarkii*. Environmental biology of fishes, 47(3), 279-288.
- Gregr and Trites. 2008. (Gregr, E. J., and A. W. Trites. 2008.) A novel presence-only validation technique for improved Steller sea lion *Eumetopias jubatus* critical habitat descriptions. Marine Ecology Progress Series 365:247–261.
- Greig and Allen. 2015. (Greig, D. J., and Sarah G. Allen. 2015.) Science Foundation Chapter 5 Appendix 5.1 – Case study Harbor seal (*Phoca vitulina*). Baylands Ecosystem Habitat Goals Science Update.
- Gridley et al. 2016. (Gridley, T., S. H. Elwen, G. Rashley, A. B. Krakauer and J. Heiler. 2016.) Bottlenose dolphins change their whistling characteristics in relation to vessel presence, surface behavior and group composition. Proceedings of Meetings on Acoustics 27:010030.
- Griffin, K. 2018. Unpublished data summary for Katmai National Park and Preserve regarding aerial surveys of known seabird colonies in Kamishak Bay.

- Griffith and Smith 1993. (Griffith, J. S., and R. W. Smith. 1993.) Use of winter concealment cover by juvenile cutthroat and brown trout in the South Fork of the Snake River, Idaho. *North American Journal of Fisheries Management*, 13(4), 823-830.
- Gross et al. 1998. (Gross, H. P., W. A. Wurtsbaugh, and C. Luecke. 1998.) The role of anadromous sockeye salmon in the nutrient loading and productivity of Redfish Lake, Idaho. *Transactions of the American Fisheries Society* 127:1-18.
- Grossman, J. N. 1998. National Geochemical Atlas: The Geochemical Landscape of the Conterminous United States Derived from the Stream Sediment and Other Soil Sample Media Analyzed by the National Uranium Resource Evaluation (NURE) Program (Version 3.0.1). US Geological Survey 98-622. Available: <https://mrdata.usgs.gov/meta/data/nurehssr.faq.html>.
- Groves, D. J. 2018. A Survey of Trumpeter Swans on Alaskan Summering Habitats, 2015. US Fish and Wildlife Service, Migratory Bird Management, Waterfowl Section. April.
- Groves and Hodges. 2013. Groves, D. J., and J. I. Hodges. 2013. A Survey of Trumpeter Swans on Alaskan Summering Habitats, 2010. US Fish and Wildlife Service, Migratory Bird Management, Waterfowl Management Branch. May.
- Guimarães et al. 2007. (Guimarães, P.R., Jr., M. A. de Menezes, R. W. Baird, D. Lusseau, P. Guimarães, and S. F. dos Reis. 2007.) Vulnerability of a killer whale social network to disease outbreaks. *Physical Review E*. 76, 042901 (2007). The American Physical Society. October 16.
- Gumbel, E. J. 2004. *Statistics of extremes*. Columbia University Press.
- Gustine et al. 2017. (Gustine, D., P. Barboza, L. Adams, B. Griffith, R. Cameron, and K. Whitten. 2017.) Advancing the match-mismatch framework for large herbivores in the Arctic: Evaluating the evidence for a trophic mismatch in caribou. *PLoS One* 12(2), e0171807.
- H&H Alaska Outfitters. 2018. Alaskan Brown Bear Hunts. Available: http://www.hhalaskanoutfitters.com/alaska_brown_bear_hunts.html. Accessed October 8, 2018.
- Habicht et al. 2007. (Habicht, C., L. Seeb, and J. E. Seeb. 2007.) Genetic and ecological divergence defines population structure of Sockeye Salmon populations returning to Bristol Bay Alaska, and provides a tool for admixture analysis. *Transactions of the American Fisheries Society* 136:82-94.
- Habte and Bocking. 2017. (Habte, K., and K. Bocking. 2017.) Co-disposal Practice in Mine Waste Management. *Proceedings of the Twenty-first international Conference on Mine Waste*. November 8.
- Haeussler et al. 2000. (Haeussler, P. J., R. L. Bruhn, and T. L. Pratt. 2000.) Potential seismic hazards and tectonics of the Upper Cook Inlet Basin, Alaska, based on analysis of Pliocene and younger deformation. *GSA Bulletin* 112(9):1414–1429.
- Haeussler and Saltus. 2011. Haeussler, P. J., and R. W. Saltus. 2011.) Location and extent of Tertiary structures in Cook Inlet basin, Alaska, and mantle dynamics that focus deformation and subsidence (No. 1776-D, pp. i-26). US Geological Survey.
- Haeussler and Waythomas. 2011. (Haeussler, P. J., and C. F. Waythomas. 2011.) Review of the Origin of the Braid Scarp near the Pebble Prospect, Southwestern Alaska. (No. 2011-1028.) US Geological Survey.

- Haeussler et al. 2004. (Haeussler, P. J., R. W. Saltus, and J. P. Galloway. 2004.) 26 km of Offset on the Lake Clark Fault since Late Eocene Time. US Geological Survey in Alaska. US Geological Survey Professional Paper 1709-A.
- Hagenbuch, B. 2016. Millennials target of new Bristol Bay campaign. Seafood Source. Accessed July 2019. Available: <https://www.seafoodsource.com/news/supply-trade/millennials-target-of-new-bristol-bay-campaign>.
- Hain et al. 1982. (Hain J. H. W., G. R. Carter, S. D. Kraus, C. A. Mayo, and H. E. Winn. 1982.) Feeding Behavior of the Humpback Whale, *Megaptera novaeangliae*, in the Western North Atlantic. Fishery Bulletin, 80(2):259-268.
- Halkier et al. 1988. (Halkier, B. A., H. V. Scheller, and B. L. Moller. 1988.) Cyanogenic glucosides: The biosynthetic pathway and the enzyme system involved. in Cyanide Compounds in Biology, D. Evered and S. Harnett (editors), Ciba Symposium. v. 140, pp. 49-66. John Wiley & Sons, Ltd. Chichester.
- Hall et al. 2003. (Hall, J., J. Powell, S. Carrick, T. Rockwell, G. Hollands, T. Walter, and J. White. 2003.) Wetland Functional Assessment Guidebook—Operational Draft Guidebook for Assessing the Functions of Slope/Flat Wetland Complexes in the Cook Inlet Basin Ecoregion, Alaska, using the HGM Approach. 160 pp.
- Hall et al. 1994. (Hall, J. V., W. E. Frayer, and B. O. Wilen. 1994.) Status of Alaska Wetlands. Anchorage: US Fish and Wildlife Service, Alaska Region.
- Halliday et al. 2017. (Halliday, W. D., S. J. Insley, R. C. Hilliard, T. De Jong and M. K. Pine. 2017.) Potential impacts of shipping noise on marine mammals in the western Canadian Arctic. Marine Pollution Bulletin 123:73-82.
- Hamade, A. K. 2014. A Risk Management Strategy to Optimize the Public's Health. Department of Health and Social Services State of Alaska.
- Hamilton and Klieforth. 2010. (Hamilton, T. D., and R. F. Klieforth. 2010.) Surficial Geologic Map of Parts of the Iliamna D-6 and D-7 Quadrangles, Pebble Project Area, Southwestern Alaska. Alaska Division of Geological & Geophysical Surveys Report Investigation 2009-4. 19 pp., 1 sheet, scale 1:50,000.
- Hammarstrom and Ford. 2009. (Hammarstrom, L. F., and E. G. Ford. 2009.) 2008 Lower Cook Inlet Annual Finfish Management Report. Fishery Management Report No. 09-28. Alaska Department of Fish and Game, Divisions of Sport Fish and Commercial Fisheries. 153 pp. June.
- Handel and Cady. 2004. (Handel, C. M., and M. N. Cady. 2004.) Alaska Landbird Monitoring Survey, Protocol for Setting Up and Conducting Point Count Surveys. Boreal Partners in Flight. May.
- Hansen et al. 1999a. (Hansen, J. A., J. C. A. Marr, J. Lipton, D. Cacela, and H. L. Bergman. 1999a.) Differences in neurobehavioral responses of Chinook salmon (*Oncorhynchus tshawytscha*) and rainbow trout (*Oncorhynchus mykiss*) exposed to copper and cobalt: Behavioral avoidance. Environ Toxicol Chem 18:1972–1978.
- Hansen et al. 1999b. (Hansen, J. A., J. D. Rose, R. A. Jenkins, K. G. Gerow, and H. L. Bergman. 1999b.) Chinook salmon (*Oncorhynchus tshawytscha*) and rainbow trout (*Oncorhynchus mykiss*) exposed to copper: Neurophysiological and histological effects on the olfactory system. Environ Toxicol Chem 18:1979–1991.

- Hara et al. 1976. (Hara, T. J., Y. M. C. Law, and S. Macdonald. 1976.) Effects of mercury and copper on the olfactory response in rainbow trout, *Salmo gairdneri*. Journal of the Fisheries Research Board of Canada 33:1568–1573.
- Harris et al. 2001. (Harris, R. E., G. W. Miller, and W. J. Richardson. 2001.) Seal responses to airgun sounds during summer seismic surveys in the Alaskan Beaufort Sea. Mar. Mamm. Sci. 17(4):795-812 pp.
- Hart Crowser, Inc. 2015a. Pebble Project Supplemental Environmental Baseline Document 2004–2012. Chapter 34: Oceanography and Marine Water Quality. Cook Inlet Drainages. August.
- Hart Crowser, Inc. 2015b. Pebble Project Supplemental Environmental Baseline Document 2004–2012. Chapter 43: Nearshore Fish & Invertebrates, Cook Inlet Drainages. Report to The Pebble Partnership.
- Hart Crowser, Inc., Pentec Environmental, and Illingworth & Rodkin, Inc. 2009. Acoustic monitoring and in-situ exposures of juvenile coho salmon to pile driving noise at the Port of Anchorage Marine Terminal Redevelopment Project Knik Arm, Anchorage, Alaska. Prepared for US. Department of Maritime Transportation, Port of Anchorage, and Integrated Concepts and Research Corporation. 72 pp.
- Hasselbach et al. 2005. (Hasselbach, L., J. M. Ver Hoef, J. Ford, P. Neitlich, E. Crecelius, S. Berryman, B. Wolk, and T. Bohle. 2005.) Spatial patterns of cadmium and lead deposition on and adjacent to National Park Service lands in the vicinity of Red Dog Mine, Alaska. Science of the Total Environment, 348(1-3), 211-230.
- Hassol, S. 2004. Impacts of a Warming Climate. Arctic Climate Assessment. New York: Cambridge University Press. 139 pp.
- Hastings and Popper. 2005. (Hastings, M. C., and A. N. Popper. 2005.) Effects of Sound on Fish. CA Department of Transportation Contract No. 43A0139:1.
- Hatch et al. 2012. (Hatch, L. T., C. W. Clark, S. M. Van Parijs, A. S. Frankel, and D. W. Ponirakis. 2012.) Quantifying Loss of Acoustic Communication Space for Right Whales in and around a US National Marine Sanctuary. Conservation Biology 26:983-994.
- Haugen et al. 2003. (Haugen, S., D. Busch, and W. Rice. 2003.) Flyfisher's Guide to Alaska ~Includes Light Tackle~. Belgrade, MT: Wilderness Adventurers Press, Inc.
- Hauser et al. 2008. (Hauser, D. D., C. S. Allen, H. B. Rich Jr., and T. P. Quinn. 2008.) Resident harbor seals (*Phoca vitulina*) in Iliamna Lake, Alaska: summer diet and partial consumption of adult sockeye salmon (*Oncorhynchus nerka*). Aquatic Mammals 34(3):303.
- Havlin, J. 1987. Motorways and Birds. Folia Zoologica 36.
- Hawkins and Popper 2012. (Hawkins, A. D., and A. N. Popper. 2012.) Effects of Noise on Fish, Fisheries, and Invertebrates in the US Atlantic and Arctic from Energy Industry Sound-Generating Activities. BOEM Contract M11PC0031.
- Hayes, G., 2018. Slab2 – A Comprehensive Subduction Zone Geometry Model: US Geological Survey data release. Available: <https://doi.org/10.5066/F7PV6JNV>.
- Hazell et al. 2015. (Hazell, Sarah M., C. Welch, J. T. Ream, S. S. Evans, T. M. Krieg, H. Z. Johnson, G. Zimpelman, and C. Carty. 2015.) Whitefish and Other Nonsalmon Fish Trends in Lake Clark and Iliamna Lake, Alaska, 2012 and 2013. Technical Paper

- No. 411. Development and publication of this manuscript were partially financed under US Fish and Wildlife Service, Office of Subsistence Management Project No. 12-452. Electronic document, 32T. Available: <http://www.adfg.alaska.gov/techpap/TP411.pdf>32T. Accessed August 6, 2019.
- HDR. 2020a. RFI 021j Response—Water Treatment for Mercury. Prepared for Pebble Limited Partnership. April 8.
- HDR. 2019a. Operations Phase Water Treatment Plant Engineering. Memorandum. January 11.
- HDR. 2019b. Mine Closure Water Treatment Plant Engineering. Memorandum. January 11, 2019.
- HDR. 2019c. Pebble Mine Closure Phase 3, Seepage Collection Pond Water Treatment Plant. Memorandum. Project: Pebble Mine Water Treatment Plant Engineering. January 21.
- HDR. 2019d. Pebble Mine—Open Pit WTP—Closure Phase 4—Year 105—Mass Balance Summary, Revision 1. Memorandum. January 25.
- HDR. 2019e. Cultural Resources Investigation for the PLP-Amakdedori Port Project, Kenai Peninsula Borough, Alaska. Prepared for Pebble Limited Partnership.
- HDR. 2019g. Pebble Water Treatment Plant Engineering—RFI 021e Responses. Memo to Pebble Limited Partnership. November 11.
- HDR. 2019h. Pebble Water Treatment Plant Engineering—Closure Phase 1 Addendum. Prepared for Pebble Limited Partnership. December 19.
- HDR. 2019i. Pebble Project Preliminary Jurisdictional Determination Report Revision 3. Prepared for Pebble Limited Partnership. November.
- HDR. 2019j. Pebble Project Wetland Mapping Report Project Alternatives 2 and 3. Prepared for Pebble Limited Partnership. November.
- HDR. 2018a. Pebble Base-Case Water Treatment Plant Engineering Revision. Memorandum. October 1.
- HDR. 2018c. Pebble Project, Preliminary Jurisdictional Determination Report (Revision 1). Prepared for US Army Corps of Engineers, Alaska District. January.
- HDR Alaska, Inc. 2011a. Pebble Project Environmental Baseline Document 2004 through 2008. Appendix B. Iliamna Lake Study. Report to The Pebble Partnership.
- HDR Alaska, Inc. and 3PPI (HDR Alaska, Inc. and Three Parameters Plus). 2011a. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 38: Vegetation, Cook Inlet Drainages. July 22.
- HDR Alaska, Inc. and 3PPI. 2011b. Pebble Project Environmental Baseline Document 2004 through 2008 (with Updates through 2010). Chapter 39: Wetlands, Cook Inlet Drainages. December 15.
- HEAST (Health Effects Assessment Summary), 2000a. HEAST for Copper. Risk Assessment Information System (RAIS), last updated March 1, 2000. Available: <https://rais.ornl.gov/epa/heast/Copper.html#rc007440508>. Accessed January 2019.
- HEAST, 2000b. HEAST for Tin and Compounds. RAIS, last updated March 1, 2000. Available: <https://rais.ornl.gov/epa/heast/Copper.html#rc007440508>. Accessed January 2019.

- Heiler et al. 2016. (Heiler, J., S. H. Elwen, H. J. Kriesell, and T. Gridley. 2016.) Changes in bottlenose dolphin whistle parameters related to vessel presence, surface behaviour and group composition. *Animal Behaviour* 117:167-177.
- Heinz, G. H. 1976a. Methylmercury: second-generation reproductive and behavioral effects on mallard ducks. *The Journal of Wildlife Management*, 710-715.
- Heinz, G. H. (1976b). Methylmercury: Second-year feeding effects on mallard reproduction and duckling behavior. *The Journal of Wildlife Management*, 82-90.
- Heinz et al. 2010. (Heinz, G. H., D. J. Hoffman, J. D. Klimstra, and K. R. Stebbins. 2010.). Enhanced reproduction in mallards fed a low level of methylmercury: an apparent case of hormesis. *Environmental Toxicology and Chemistry: An International Journal*, 29(3), 650-653.
- Heinz et al. 2009. (Heinz, G. H., D. J. Hoffman, J. D. Klimstra, K. R. Stebbins, S. L. Kondrad, and C. A. Erwin. 2009.) Species differences in the sensitivity of avian embryos to methylmercury. *Archives of Environmental Contamination and Toxicology*, 56(1), 129-138.
- Hem, J. D. 1985. Study and Interpretation of the Chemical Characteristics of Natural Water. US Geological Survey Water-Supply Paper 2254. US Government Printing Office.
- Hermannsen et al. 2014. (Hermannsen L., K. Beedholm, J. Tougaard, and P. Madsen. 2014.) High frequency components of ship noise in shallow water with a discussion of implications for harbor porpoises (*Phocoena phocoena*). *The Journal of the Acoustical Society of A*.
- Higman and Riordan. 2019. (Higman, B., and N. Riordan. 2019.) Comments on the 2019 Draft Environmental Impact Statement for the Pebble Mine-Geohazards; Earthquakes; Pit-Wall Stability; Tsunamis; Lake Iliamna Seiches. BBNC Comments on Pebble 404 Permit Application and Draft EIS (POA-2017-271). July 1.
- Himes-Cornell et al. 2013. (Himes-Cornell, A., K. Hoelting, C. Maguire, L. Munger-Little, J. Lee, J. Fisk, R. Felthoven, C. Geller, and P. Little. 2013.) Community Profiles for North Pacific Fisheries—Alaska. Volume 8. National Oceanic and Atmospheric Administration Technical Memorandum NMFS-AFSC-259. November. Available: <https://www.afsc.noaa.gov/Publications/AFSC-TM/NOAA-TM-AFSC-259/VOLUME%208.pdf>. Accessed April 1, 2018.
- Hoag, S. H. 1972. The relationship between the summer food of juvenile sockeye salmon, *Oncorhynchus nerka*, and the standing crop of zooplankton in Iliamna Lake, Alaska. *Fishery Bulletin* 7(2):355-362.
- Hobbs et al. 2008. (Hobbs, R. C., K. E. W. Sheldon, D. J. Rugh, and S. A. Norman. 2008.) 2008 status review and extinction risk assessment of Cook Inlet belugas (*Delphinapterus leucas*). AFSC Processed Rep. 2008-02, 116 pp. Alaska Fish. Sci. Cent., NOAA, Natl. Mar. Fish. Serv., 7600 Sand Point Way NE, Seattle WA 98115.
- Hobbs et al. 2005. (Hobbs, R. C., K. L. Laidre, D. J. Vos, B. A. Mahoney, and M. Eagleton. 2005.) Movements and area use of belugas, *Delphinapterus leucas*, in a Subarctic estuary. *Arctic* 58(4):331–340.
- Hoefler (Hoefler Consulting Group). 2010a. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 2: Climate and Meteorology, Bristol Bay Drainages. December 17.

- Hoefler Consulting Group. 2010b. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 26: Climate and Meteorology, Cook Inlet Drainages. December.
- Hoek, E. 2012. Blast Damage Factor D. Technical Note for RocNews. Winter 2012 Issue. February 2.
- Holen et al. 2012. (Holen, D., J. Stariwat, T. M. Krieg, and T. Lemons. 2012.) Subsistence Harvests and Uses of Wild Resources in Aleknagik, Clark's Point, and Manokotak, Alaska, 2008. Technical Paper No. 368. Alaska Department of Fish and Game, Division of Subsistence.
- Holen et al. 2011. (Holen, D., T. M. Krieg, and T. Lemons. 2011.) Subsistence Harvests and Uses of Wild Resources in King Salmon, Naknek, and South Naknek, Alaska, 2007. Technical Paper No. 360. Alaska Department of Fish and Game, Division of Subsistence.
- Holen and Lemons. 2012. (Holen, D., and T. Lemons. 2012.) An Overview of the Subsistence Fisheries of the Bristol Bay Management Area. Special Publication No. BOF 2012-05. Anchorage: Alaska Department of Fish and Game, Division of Subsistence. Available: http://www.adfg.alaska.gov/specialpubs/SP2_SP2012-005.pdf.
- Holen and Lemons. 2010 Subsistence Harvests and Uses of Wild Resources in Lime Village, Alaska, 2007. Technical Paper No. 355. Review draft of final report to Stephen R. Braund & Associates under ADF&G Agreement IHP-06-050. Juneau, Alaska. Electronic document, 32T. Available: <http://www.adfg.alaska.gov/techpap/TP355.pdf32T>. Accessed August 6, 2019.
- Holland, L. E. 1986. Effects of barge traffic on distribution and survival of ichthyoplankton and small fishes in the upper Mississippi River. Transactions of the American Fisheries Society 115:162–165.
- Hollander, Z. 2017. Mat-Su to Spend Another \$1.6 Million on Failing Port MacKenzie Barge Dock. Anchorage Daily News. June 23.
- Hollowell et al. (Hollowell, G., E. O. Otis, and E. Ford. 2019.) 2018 Lower Cook Inlet Area Finfish Management Report. Alaska Department of Fish and Game, Divisions of Sport and Commercial Fisheries. Fishery Management Report No. 19-23.
- Hollowell et al. 2016. (Hollowell, G., E. O. Otis, and E. Ford. 2017.) 2016 Lower Cook Inlet Area Finfish Management Report. Fishery Management Report No. 17 26. Anchorage: Alaska Department of Fish and Game.
- Holmer and Storkholm. 2001. (Holmer, M., and P. Storkholm. 2001.) Sulphate reduction and sulphur cycling in lake sediments: A review. Freshwater Biology, 46, 431–45.
- Holt et al. 2009. (Holt, M. M., D. P. Noren, V. Veirs, C. K. Emmons, and S. Veirs. 2009.) Speaking up: Killer whales (*Orcinus orca*) increase their call amplitude in response to vessel noise. The Journal of the Acoustical Society of America, 125(1), EL27-EL32.
- Holthuijsen, L. H. 2007. Waves in oceanic and coastal waters. Cambridge University Press.
- Honegger, D. G. 2017. Pipeline seismic design and assessment guideline. Technical report, Pipeline Research Council International, Inc., Virginia. Catalogue No: PR-268-134501-R01.
- Hong et al. 2012. (Hong, J. H., Y. M. Chiew, I. Susanto, and N. S. Cheng. 2012.) Evolution of Scour Induced by Propeller Wash. In Proceedings of the 6th International Conference on Scour and Erosion (ICSE6), Paris, France, 27–31 August.

- Hoover et al. (Hoover, J. M., K. L. Bergeson, D. E. Fox, C. K. Denny, and R. L. Handy. 1973). Surface improvement and dust palliation of unpaved secondary roads and streets (No. IHRB Project HR-151). Engineering Research Institute, Iowa State University.
- Horodesky et al. 2015. (Horodesky, A., V. Abilhoa, T. de Oliveira Zeni, R. M. Neto, G. G. Castilho-Westphal, and A. Ostrensky. 2015.). Ecological analysis of the ichthyofaunal community ten years after a diesel oil spill at Serra do Mar, Paraná state, Brazil. *Global ecology and conservation*, 4, 311-320.
- Houghton et al. 2015. (Houghton, J., M. M. Holt, D. A. Giles, M. B. Hanson, C. K. Emmons, J. T. Hogan, T. A. Branch, and G. R. VanBlaricom. 2015.) The Relationship between Vessel Traffic and Noise Levels Received by Killer Whales (*Orcinus orca*). *PLoS ONE* 10(12): e0140119. doi:10.
- Houser et al. 2001. (Houser D. S., D. S. Helweg, and P. W. B. Moore. 2001.) A Bandpass filter-bank model of auditory sensitivity in the humpback whale. *Aquatic Mammals*, 27(2):82-91.
- HRSA (Health Resources and Services Administration). 2018. HRSA Data Warehouse. Data printed March 23, 2018.
- Hsu-Kim et al. 2013. (Hsu-Kim, H., K. H. Kucharzyk, T. Zhang, and M. A. Deshusses. 2013.) Mechanisms regulating mercury bioavailability for methylating microorganisms in the aquatic environment: A critical review. *Environmental Science & Technology*, 47(6), 2,441–2,456.
- Hughes et al. 2014. (Hughes, B. B., M. D. Levey, J. A. Brown, M. C. Fountain, A. B. Carlisle, S. Y. Litvin, and M. G. Gleason. 2014.) Nursery Functions of US West Coast Estuaries: the State of Knowledge for Juveniles of Focal Invertebrate and Fish Species. Arlington, VA: The Nature Conservancy.
- Hughes and Dill. 1990. (Hughes, N. F., and L. M. Dill. 1990.) Position choice by drift-feeding salmonids: Model and test for arctic grayling (*Thymallus arcticus*) in subarctic mountain streams, interior Alaska. *Canadian Journal of Fisheries and Aquatic Sciences* 47:2039-2048.
- Huntington et al. 2015. (Huntington, H. P., R. Daniel, A. Hartsig, K. Harun, M. Heiman, R. Meehan, G. Noongwook, L. Pearson, M. Prior-Parks, M. Robards, and G. Stetson. 2015.) Vessels, risks, and rules: Planning for safe shipping in Bering Strait. *Marine Policy* 51:119–127.
- Hutchinson-Scarborough et al. 2020. (Hutchinson-Scarborough, Lisa, Drew Gerkey, Gabriela Halas, Cody Larson, Lauren A. Sill, James M. Van Lanen, and Margaret C. Cunningham. 2020.) Subsistence Salmon Networks in Select Bristol Bay and Alaska Peninsula Communities, 2016. Technical Paper No. 459., Alaska Department of Fish and Game. February.
- Huusko et al. 2007. (Huusko, A. R. I., L. Greenberg, M. Stickler, T. Linnansaari, M. Nykänen, T. Vehanen, S. Koljonen, P. Louhi, and K. Alfredsen. 2007.) Life in the ice lane: the winter ecology of stream salmonids. *River research and applications*, 23(5), 469-491.
- ICOLD (International Commission on Large Dams). 2018. Publications: Tailings dams: risk of dangerous occurrences: lessons learnt from practical experiences (Vol. 121). United Nations Publications. <https://www.icold-cigb.org/>.
- ICSG (International Copper Study Group). 2019a. Copper Market Forecast 2019/2020 – Press Release. October 23.

- ICSG. 2019b. The World Copper Factbook 2019.
- IEA. 2019. Global Carbon Dioxide Emissions 1980-2016. Accessed July 3.
- IFC (Instream Flow Council). 2009. International instream flow program initiative. A status report of state and provincial Fish and Wildlife Agency instream flow activities and strategies for the future. Final report for Multi-State Conservation Grant Project WY M-7-T. February 2009. 201 pp.
- IFC (International Finance Corporation). 2007. Guidance Note 4: Community Health, Safety, and Security. July 31.
- IHS. 2013. IHS Global Insight, The Economic and Employment Contributions of a Conceptual Pebble Mine to the Alaska and United States Economies (May 2013).
- Illingworth & Rodkin. 2007. Compendium of Pile Driving Sound Data. Prepared for California Department of Transportation. September 27. Available: http://www.dot.ca.gov/hq/env/bio/files/pile_driving_snd_comp9_27_07.pdf.
- IMPROVE (Interagency Monitoring of Protected Visual Environments). 2019. Glossary. Accessed December 23.
- IMPROVE. 2018a. Views 2.0 Database for Data Collected at Tuxedni (site TUXE1). Available: <http://vista.cira.colostate.edu/Improve/aqrv-summaries/>. Accessed March 2018.
- IMPROVE. 2018b. Views 2.0 Database for Data Collected at Denali NP (site DENA1). Available: <http://vista.cira.colostate.edu/Improve/aqrv-summaries/>. Accessed March 2018.
- INL. 2019. Iliamna Natives Limited. January 1.
- INNEC (INN Electric Cooperative, Inc.). 2012. Our History. Available: <http://inneelectric.com/our-history.html>.
- IntecSea. 2019. Shallow Hazards Survey and Evaluation of Amakdedori Port Route (APR), Lower Cook Inlet Alaska. Prepared for Pebble Limited Partnership. Prepared by IntecSea. August 20.
- InterGroup (InterGroup Consultants). 2019. Lake and Peninsula Borough Socioeconomic and Fiscal Impact Assessment for the Pebble Project: Report and Recommendations. Prepared for the Lake and Peninsula Borough.
- International Bird Rescue. 2019. Oldest Known King Eider Found 23 Years After Oil Spill Care. December 20.
- International Commission on Large Dams. 2001. Tailings dams: risk of dangerous occurrences: lessons learnt from practical experiences (Vol. 121). United Nations Publications.
- Ireland et al. 2016. (Ireland, D. S., L. Bisson, S. B. Blackwell, M. Austin, D. E. Hannay, K. Bröker, and A. M. Macrander [eds.]. 2016.) Comprehensive Report of Marine Mammal Monitoring and Mitigation in the Chukchi and Beaufort Seas, 2006–2015. LGL Alaska Draft Report P1363-E. Report from LGL Alaska Research Associates, Inc., Greeneridge Sciences, Inc., and JASCO Applied Sciences Ltd., for Shell Gulf of Mexico, Inc., National Marine Fisheries Service, and US Fish and Wildlife Service. 558 pp. plus appendices.
- IRIS (Integrated Risk Information System). 2010. Chemical Assessment Summary: Acrylamide; CASRN 79-06-1. US Environmental Protection Agency, National Center for Environmental Assessment.

- IRIS. 2009. Thallium (I), soluble salts; CASRN Various, IRIS, Chemical Assessment Summary, EPA National Center for Environmental Assessment. Available: <https://www.epa.gov/iris>.
- IRIS. 2005a. Barium and Compounds; CASRN 7440-39-3, IRIS, Chemical Assessment Summary, EPA National Center for Environmental Assessment. Available: <https://www.epa.gov/iris>.
- IRIS. 2005b. Zinc and Compounds; CASRN 7440-66-6, IRIS, Chemical Assessment Summary, EPA National Center for Environmental Assessment. Available: <https://www.epa.gov/iris>.
- IRIS. 2004a. Boron and Compounds; CASRN 7440-42-8, IRIS, Chemical Assessment Summary, EPA National Center for Environmental Assessment. Available: <https://www.epa.gov/iris>.
- IRIS. 2004b. Lead and compounds (inorganic); CASRN 7439-92-1, IRIS, Chemical Assessment Summary, EPA National Center for Environmental Assessment. Available: <https://www.epa.gov/iris>.
- IRIS. 1998a. Beryllium and compounds; CASRN 7440-41-7, IRIS, Chemical Assessment Summary, EPA National Center for Environmental Assessment. Available: <https://www.epa.gov/iris>.
- IRIS. 1998b. Chromium(III), insoluble salts; CASRN 16065-83-1, IRIS, Chemical Assessment Summary, EPA National Center for Environmental Assessment. Available: <https://www.epa.gov/iris>.
- IRIS. 1995a. Arsenic, inorganic; CASRN 7440-38-2, IRIS, Chemical Assessment Summary, EPA National Center for Environmental Assessment. Available: <https://www.epa.gov/iris>.
- IRIS. 1995b. Mercury, elemental; CASRN 7439-97-6, IRIS, Chemical Assessment Summary, EPA National Center for Environmental Assessment. Available: <https://www.epa.gov/iris>.
- IRIS. 1994a. Chemical Assessment Summary: Acrylic acid (CASRN 79-10-7). US Environmental Protection Agency, National Center for Environmental Assessment.
- IRIS. 1994b. Nickel, soluble salts; CASRN Various, IRIS, Chemical Assessment Summary, EPA National Center for Environmental Assessment. Available: <https://www.epa.gov/iris>.
- IRIS. 1992. Molybdenum; CASRN 7439-98-7, IRIS, Chemical Assessment Summary, EPA National Center for Environmental Assessment. Available: <https://www.epa.gov/iris>.
- IRIS. 1991a. Selenium and Compounds; CASRN 7782-49-2, IRIS, Chemical Assessment Summary, EPA National Center for Environmental Assessment. Available: <https://www.epa.gov/iris>.
- IRIS. 1991b. Silver; CASRN 7440-22-4, IRIS, Chemical Assessment Summary, EPA National Center for Environmental Assessment. Available: <https://www.epa.gov/iris>.
- IRIS. 1989. Cadmium; CASRN 7440-43-9, IRIS, Chemical Assessment Summary, EPA National Center for Environmental Assessment. Available: <https://www.epa.gov/iris>.
- IRIS. 1988a. Copper; CASRN 7440-50-8, IRIS, Chemical Assessment Summary, EPA National Center for Environmental Assessment. Available: <https://www.epa.gov/iris>.
- IRIS. 1988b. Vanadium pentoxide; CASRN 1314-62-1, IRIS, Chemical Assessment Summary, EPA National Center for Environmental Assessment. Available: <https://www.epa.gov/iris>.
- IRIS 1987. Antimony; CASRN 7440-36-0, Integrated Risk Information System (IRIS), Chemical Assessment Summary, EPA National Center for Environmental Assessment. Available: <https://www.epa.gov/iris>.

- Irvine and Fukuwaka. 2011. (Irvine, J. R., and M. Fukuwaka. 2011.) Pacific salmon abundance trends and climate change. *ICES Journal of Marine Science* 68(6):1122–1130. doi:10.1093/icesjms/fsq199.
- Itasca. 2017. FLAC3D. US Minneapolis. June 26.
- IVC (Iguigig Village Council). 2019. Public comments on the Pebble Project Draft EIS. Submitted by Christina Salmon-Bringhurst.
- IXOM. 2017. Safety Data Sheet—Methyl Isobutyl Carbinol. Version 6. Issued February 13.
- Jackson et al. 2014. (Jackson, C. R., J. A. Thompson, and R. K. Kolka. 2014.) Wetland Soils, Hydrology, and Geomorphology. 38 pp.
- JAGURS. 2019. Tsunami Simulation Code. Accessed November 15.
- Jahoda et al. 2003. (Jahoda, M., C. L. Lafortuna, N. Biassoni, C. Almirante, A. Azzellino, S. Panigada, and G. N. Di Sciara. 2003.) Mediterranean fin whale's (*Balaenoptera physalus*) response to small vessels and biopsy sampling assessed through passive tracking and timing of respiration. *Marine Mammal Science* 19(1):96–110.
- Jansen et al. 2010. (Jansen, J. K., P. L. Boveng, S. P. Dahle, and J. L. Bengtson. 2010.) Reaction of harbor seals to cruise ships. *Journal of Wildlife Management* 74:1186–1194.
- Jefferies et al. 2019. (Jefferies, M., N.R. Morgenstern, D. Van Zyl, and J. Wates. 2019.) Report on NTSF Embankment Failure Cadia Valley Operations for Ashurst Australia. H356804-00000-22A-230-0001, Final. April 17.
- Jensen and Silber. 2004. (Jensen, A.S., and G. K. Silber. 2004.) Large whale ship strike database (p. 37). Washington, DC: US Department of Commerce, National Oceanic and Atmospheric Administration.
- Jensen et al. 2009. (Jensen, F. H., L. Bejder, M. Wahlberg, N. Aguilar Soto, M. Johnson, and P. T. Madsen. 2009.) Vessel noise effects on delphinid communication. *Marine Ecology Progress Series*, 395:161-175.
- Jeremiason et al. 2006. (Jeremiason, J. D., D. R. Engstrom, E. B. Swain, E. A. Nater, B M. Johnson, J. E. Almendinger, B. A. Monson, and R. K. Kolka. 2006.) Sulfate addition increases methylmercury production in an experimental wetland. *Environmental Science & Technology*, 40, 3,800–3,806.
- Jernigan, Kevin (ed.). n.d. A Guide to the Ethnobotany of the Yukon-Kuskokwim Region. Available: https://www.uaf.edu/anlc/resources/yk_ethnobotany/YK_Ethnobotany.pdf.
- Jin et al. 1997. (Jin, L. J., P. Guo, and X. Q. Xu. 1997.) Effect of selenium on mercury methylation in anaerobic lake sediments. *Bull Environ Contam Toxicol* 59:994–999.
- Johnson, C S. 1991. Hearing thresholds for periodic 60-kHz tone pulses in the beluga whale. *The Journal of the Acoustical Society of America*, 89(6):2996-3001.
- Johnson et al. 2019. (Johnson, H. E., T. S. Golden, L. G. Adams, D. D. Gustine, and E. A. Lenart. 2019.) Caribou Use of Habitat Near Energy Development in Arctic Alaska. *The Journal of Wildlife Management* 1-12.
- Johnson et al. 2016. (Johnson, N. W., C. P. Mitchell, D. R. Engstrom, L. T. Bailey, J. K. Coleman Wasik, and M. E. Berndt. 2016.) Methylmercury production in a chronically sulfate-impacted sub-boreal wetland. *Environmental Science: Processes & Impacts*, 18(6), 725–734.

- Johnson et al. 2011. (Johnson, J. A., J. Storrer, K. Fahy, and B. Reitherman. 2011.) Determining the potential effects of artificial lighting from Pacific Outer Continental Shelf (POCS) Region Oil and gas facilities on migrating birds. Prepared by Applied Marine Sciences, Inc. and Storrer Env. Services for US Department of the Interior, Bureau of Ocean Energy Management, Regulations and Enforcement. Camarillo, CA OCS Study BOEMRE 2011-047. 29 pp + apps.
- Johnson et al. 2005. (Johnson, C. M. Boyce, R. Case, H. Cluff, R. Gau, A. Gunn, and R. Mulders. 2005.) Cumulative Effects of Human Developments on Arctic Wildlife. Wildlife Monographs. 160. 10.2193/0084-0173(2005)160[1:ceohdo]2.0.co;2.
- Johnson et al. 1989a. (Johnson, C. S., M. W. McManus, and D. Skaar. 1989.) Masked tonal hearing thresholds in the beluga whale. *Journal of Acoustical Society of America* 85(6):2651–2654.
- Johnson et al. 1989b. (Johnson, S. R., J. J. Burns, C. I. Malme, and R. A. Davis. 1989.) Synthesis of information on the effects of noise and disturbance on major haulout concentrations of Bering Sea pinnipeds. LGL.
- Johnson and Blossom. 2018. (Johnson, J., and B. Blossom. 2018.) Catalog of Waters Important for Spawning, Rearing, or Migration of Anadromous Fishes—Southwestern Region, Effective June 1, 2018. Alaska Department of Fish and Game, Divisions of Sport Fish and Habitat Special Publication No. 18-06, Anchorage.
- Joly et al. (Joly, K., F. S. Chapin III, and D. R. Klein. 2010.) Winter habitat selection by caribou in relation to lichen abundance, wildfires, grazing, and landscape characteristics in northwest Alaska. *Ecoscience*, 17(3), 321-333.
- Jones et al. 2017. (Jones, E. L., G. D. Hastie, S. Smout, J. Onoufriou, N. D. Merchant, K. L. Brookes and D. Thompson. 2017.) Seals and shipping: quantifying population risk and individual exposure to vessel noise. *Journal of Applied Ecology* 54:1930-1940.
- Jones and Kostick. 2016. (Jones, B., and M. L. Kostick [eds.]. 2016.) The Harvest and Use of Wild Resources in Nikiski, Seldovia, Nanwalek, and Port Graham, Alaska, 2014. Technical Paper No. 420. Alaska Department of Fish and Game, Division of Subsistence.
- Jorgenson et al. 2008. (Jorgenson, M. T., K. Yoshikawa, M. Kanevskiy, Y. Shur, V. Romanovsky, S. Marchenko, and B. Jones. 2008.) Permafrost characteristics of Alaska. In *Proceedings of the Ninth International Conference on Permafrost* (Vol. 3, pp. 121-122). Fairbanks: University of Alaska. June.
- JTC (Joint Technical Committee of the Yukon River US/Canada Panel). 2018. Yukon River Salmon. 2017 Season Summary and 2018 Season Outlook. Alaska Department of Fish and Game. Division of Commercial Fisheries, Regional Information Report 3A1801-01, Anchorage. Available: <http://www.adfg.alaska.gov/FedAidPDFs/RIR.3A.2018.01.pdf>.
- Kabiri-Samani, A. R. 2013. Natural frequencies of seiche in a closed trapezoidal basin with internal barriers. *Journal of Civil Engineering Research* 3(1):22–34.
- Kaiser and Fritzell. 1984. (Kaiser, M. S., and E. K. Fritzell. 1984.) Effects of river recreationists on green-backed heron behavior. *Journal of Wildlife Management* 48(2):561–567.
- Kampalath et al. 2013. (Kampalath, R. A., C. Lin, and J. A. Jay. 2013.) Influences of zero-valent sulfur on mercury methylation in bacterial cocultures. *Water Air Soil Pollut* 224:1–14.
- Kari and Kari. 1982. (Kari, J., and P. R. Kari.) 1982. Dena'ina Elnena: Tanaina Country. Fairbanks: Alaska Native Language Center, University of Alaska.

- Kari et al. 1986. (Kari, P., J. Kari, and A. Balluta. 1986.) Dena'ina place names in the Lake Clark National Park and Preserve study area. In Lake Clark Sociocultural Study, Phase I, ed. L. J. Ellenna, 7-1 to 7-70. US National Park Service, Lake Clark National Park and Preserve, Alaska.
- Karlstrom, T. N. 1964. Quaternary Geology of the Kenai Lowland and Glacial History of the Cook Inlet Region, Alaska (No. 443). US Government Printing Office.
- Kaseloo and Tyson. 2004. Kaseloo, P. A., and K. O. Tyson. 2004. Synthesis of Noise Effects on Wildlife Populations. Report No. FHWA-HEP-06-016. Virginia State University. September 8.
- Kasischke et al. 2010. (Kasischke, E. S., D. L. Verbyla, S. T. Rupp, D. A. McGuire, K. A. Murphy, R. Jandt, J. L. Barnes, E. E. Hoy, P. A. Duffy, M. Calef, and M. R. Turetsky. 2010.) Alaska's changing fire regime—implications for the vulnerability of its boreal forests. Canadian Journal of Forest Research 40:1313–1324, doi:10.1139/X10-098.
- Kastak et al. 1999; (Kastak D., R. J. Schusterman, B. L. Southall, and C. J. Reichmuth. 1999.). Underwater temporary threshold shift induced by octave-band noise in three species of pinniped. The Journal of the Acoustical Society of America, 106(2):1142-1148.
- Kastak et al. 2008. (Kastak, D., J. Mulsow, A. Ghoul, and C. Reichmuth). Noise-induced permanent threshold shift in a harbor seal. The Journal of the Acoustical Society of America 123:2986-2986.
- Kastak et al. 2005. (Kastak, D., B. L. Southall, R. J. Schusterman, and C. R. Kastak. 2005.) Underwater temporary threshold shift in pinnipeds: Effects of noise level and duration. The Journal of the Acoustical Society of America, 118(5):3154-3163.
- Kastak and Schusterman. 1998. (Kastak, D., and R. J. Schusterman. 1998.) Low-frequency amphibious hearing in pinnipeds: Methods, measurements, noise, and ecology. The Journal of the Acoustical Society of America 103:2216-2228.
- Kastelein et al. 2009. (Kastelein, R. A., P. J. Wensveen, L. Hoek, W. C. Verboom, and J. M. Terhune. 2009.) Underwater detection of tonal signals between 0.125 and 100 kHz by harbor seals (*Phoca vitulina*). The Journal of the Acoustical Society of America 125:1222-1229.
- Kastelein et al. 2002. (Kastelein, R. A., P. Mosterd, B. van Santen, and M. Hagedoorn de Haan. 2002.) Underwater audiogram of a Pacific Walrus (*Odobenus rosmarus divergens*) measured with narrow-band frequency-modulated signals. The Journal of the Acoustical Society of America, 112(5):2173-2182.
- KBNERR (Kachemak Bay National Estuaries Research Reserve). 2016. Kachemak Bay National Estuaries Research Reserve. University of Alaska Anchorage, Alaska Center for Conservation Science. Available: <http://accs.uaa.alaska.edu/kbnerr/>.
- KBNERR. 2011. Management Plan 2012-2017: Kachemak Bay National Estuarine Research Reserve.
- KDLL. 2017. Plans in motion for decommissioning Drift River oil terminal. KDLL, Public Radio for Central Kenai. August 3.
- Keller, V. E. 1991. Effects of human disturbance on eider ducklings *Somateria mollissima* in an estuarine habitat in Scotland. Biological Conservation 58(2):213–228.

- Kerin et al. 2006. (Kerin, E. J., C. C. Gilmour, E. Roden, M. T. Suzuki, J. D. Coates, and R. P. Mason, R. P.) Mercury methylation by dissimilatory iron-reducing bacteria. *Appl Environ Microbiol* 72:7919–7921.
- Kerns and Donaldson. 1968. (Kerns Jr., O. E., and J. R. Donaldson. 1968.) Behavior and distribution of spawning sockeye salmon on island beaches in Iliamna Lake, Alaska, 1965. *Journal of the Fisheries Board of Canada*, 25(3), 485-494.
- Ketten, D. R. 2000. Cetacean ears. pp. 43-108 In: W. W. L. Au, A. N. Popper, and R. R. Fay (eds.), *Hearing by Whales and Dolphins*. Springer-Verlag, New York, NY. 485 pp.
- Ketten, D. R. 1994. Functional analyses of whale ears: adaptations for underwater hearing. Pages 1/264-1/270 vol. 261 *Proceedings of OCEANS'94*.
- Ketten, D. R. 1992a. The cetacean ear: form, frequency, and evolution. pp. 53-75 In: J. A. Thomas, R. A. Kastelein, and A. Ya Supin (eds.), *Marine Mammal Sensory Systems*. Plenum, New York, NY.
- Ketten, D. R. 1992b. The marine mammal ear: specializations for aquatic audition and echolocation. pp. 717-750 In: D. Webster, R. Fay and A. Popper (eds.), *The Biology of Hearing*. Springer-Verlag, Berlin.
- Ketten et al. 2001. (Ketten, D. R., J. O'Malley, P. W. B. Moore, S. Ridgway and C. Merigo. 2001.) Aging, injury, disease, and noise in marine mammal ears. *The Journal of the Acoustical Society of America* 110:2721-2721.
- Kevin Waring and Associates. 2015a. Pebble Project Supplemental Environmental Baseline Data Report 2004–2012. Chapter 25: Recreation, Bristol Bay Drainages. August.
- Kevin Waring and Associates. 2015d. Pebble Project Supplemental Environmental Baseline Document 2004–2012. Chapter 53: Recreation.
- Kevin Waring and Associates. 2011b. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 25: Recreation.
- Kevin Waring & Associates. 2011c. Pebble Project Environmental Baseline Document 2004 through 2008 Chapter 53. Recreation.
- Kevin Waring & Associates. 2010b. Pebble Project Environmental Baseline Document 2004 through 2008 (with updates in 2010). Chapter 19: Transportation.
- Kiffney et al. 2000. (Kiffney, P. M., J. S. Richardson, M. C. Feller. 2000.) Fluvial and epilithic organic matter dynamics in headwater streams of southwestern British Columbia, Canada. *Archiv für Hydrobiologie*, pp. 109-129.
- Kilduff et al. 2015. (Kilduff, D. P., E. Di Lorenzo, L. W. Botsford, and S. L. Teo. 2015.) Changing Central Pacific El Niños Reduce Stability of North American Salmon Survival Rates. Department of Wildlife, Fish and Conservation Biology, University of California, Davis; and School of Earth & Atmospheric Sciences, Georgia Institute of Technology, Atlanta.
- Killgore et al. 2011. (Killgore, K. J., L. E. Miranda, C. E. Murphy, D. M. Wolff, J. J. Hoover, T. M. Kevin, S. T. Maynard, and M. A. Cornish. 2011). Fish entrainment rates through towboat propellers in the Upper Mississippi and Illinois Rivers. *Transactions of the American Fisheries Society* 140:570–581.
- Klassen and Locke. 2007. (Klassen, G., and A. Locke. 2007.) A Biological Synopsis of the European Green Crab, *Carcinus maenas*. Canadian Manuscript Report of Fisheries and Aquatic Sciences no. 2818. 75 pp.

- Klein, K. 2018. Personal communication (email) notes between Kimberley Klein, USFWS and Willow Hetrick, Fairweather Sciences. Sea Otter Density. February 6.
- Klein et al. 2005. (Klein, E., E. E. Berg, and R. Dial, 2005.) Wetland drying and succession across the Kenai Peninsula lowlands, south-central Alaska. *Canadian Journal of Forest Research* 35:1931–1941, doi:10.1139/x05-129.
- Kline et al. 1993. (Kline, Jr., T. C., J.J. Coering, O. A. Mathisen, P. H. Poe, P. L. Parker, and R. S. Scalars. 1993.) Recycling of elements transported upstream by runs of Pacific salmon: II. 6I5Id and 613C evidence in the Kvichak River watershed, Bristol Bay, southwestern Alaska. *Can. J. Fish. Aquat. Sci.* 50: 2350-2365.
- Klose, C. D. 2012. Mechanical and statistical evidence of the causality of human-made mass shifts on the Earth's upper crust and the occurrence of earthquakes. *Journal of Seismology*, 17(1), 109-135.
- Knapp, Gunnar. 2004. Projections of Future Bristol Bay Salmon Prices. Institute of Social and Economic Research, University of Alaska Anchorage.
- Knapp et al. 2013. (Knapp, G., M. Guettabi, and S. Goldsmith. 2013.) The Economic Importance of the Bristol Bay Salmon Industry. Prepared for the Bristol Bay Regional Seafood Development Association. April.
- Knight Piésold. 2020a. Figure 1: North Fork Koktuli River Reaches Hydrology Station. February 20.
- Knight Piésold. 2020b. NFK-D Streamflow Tables and Figures. February 20.
- Knight Piésold. 2020c. Baseline Watershed Model – Measured and Predicted Streamflows Tables 1 and 2. Prepared for Pebble Limited Partnership. February 20.
- Knight Piésold. 2019a. Re: RFI 106 Response. January 11.
- Knight Piésold. 2019b. Pebble Project Report on Seismicity Assessment and Seismic Design Parameters. Prepared by Knight Piésold Ltd. VA101-176/60-1. July 4.
- Knight Piésold. 2019c. Re: Request for Information 109e. July 25.
- Knight Piésold. 2019d. Pebble Project Report on Seismicity Assessment and Seismic Design Parameters. Prepared by Knight Piésold Ltd. VA101-176/60-1. September 26.
- Knight Piésold. 2019f. RE: RFI 109g—Comprehensive Modeling Systems—tem 1. October 3.
- Knight Piésold. 2019g. Pebble Project—Baseline Watershed Model Update. October 1.
- Knight Piésold. 2019h. Response to RFI 138—High-Level Water Balance Calculation for Select Sub-Catchments. October 8.
- Knight Piésold. 2019n. RE: RFI 109g—Comprehensive Modeling Systems—Items 3, 4, and 5. Prepared for Pebble Limited Partnership. October 21.
- Knight Piésold. 2019o. Re: Pebble Project—Seepage Estimates from The Bulk Tailing Storage Facility. Prepared for Pebble Limited Partnership. August 9.
- Knight Piésold. 2019p. Main Embankment Stability Assessment—Static and Post-liquefaction. Prepared for Pebble Limited Partnership. July 8.
- Knight Piésold. 2019q. Revised Estimates of Mine-affected Streamflow Values (with and Without Treated Water) at Post Closure. Prepared for Pebble Limited Project. November.

- Knight Piésold. 2019r. RE: Pebble Project: Revised Estimates of Mine-affected Streamflow Values (With and Without Treated Water) at End of Mine. November 21.
- Knight Piésold. 2019s. Pebble Project Water Balance and Water Quality Model Report. Prepared for Pebble Limited Partnership. Prepared by Knight Piésold Ltd. VA101-176/60-3. December 18.
- Knight Piésold. 2019t. Re: Request for Additional Information Related to RFI 138 Water Balance and Considerations for Response to RFI 109f, Stream Estimates From New Groundwater Model. Created for Pebble Limited Partnership. September 16.
- Knight Piésold. 2019u. RE: RFI 109f Revised Figures 1.1-1 to 6.4-14. Prepared for Pebble Limited Partnership, November 21.
- Knight Piésold. 2019v. RE: RFI 109f Revised Tables 1.1-1 to 6.3. Prepared for Pebble Limited Partnership, November 21.
- Knight Piésold. 2018a. Pebble Project Pebble Mine Site Operations Water Management Plan. July 6.
- Knight Piésold. 2018b. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 4: Physiography.
- Knight Piésold. 2018c. RE: RFI 008 Response—Embankment Static and Seismic Stability.
- Knight Piésold. 2018d. Pebble Project Pebble Mine Site—Closure Water Management Plan. September 21.
- Knight Piésold. 2018e. Re: RFI 19 Part 3: Groundwater Withdrawal Wells. File No.: BA101-00176/57-A.01. Cont. No.: VA18-01185. July 6.
- Knight Piésold. 2018f. Information for Response to Follow-Up Questions to RFI 19 a—Water Management Plan. File No.: VA101-00176/57-A.01. Cont. No.: VA18-01740. September 27.
- Knight Piésold. 2018g. Pebble Project Hydrometeorology Report. VA101-176/57-2. September 6.
- Knight Piésold. 2018l. Pebble Project: RFI 019 Part 4 Influence of Geological Structures on Groundwater Flow Conditions. File No.: VA101-00176/57-A.01. Count. No.: VA18-01193. July 10.
- Knight Piésold. 2018i. Pebble Project: RFI 019 Part 2 Estimated Mine-affected Streamflow Values (with and without treated water) at End of Mine. File No.: VA101-00176/57-A.01 Cont. No.: VA18-01336. September 28.
- Knight Piésold. 2018j. Pebble Project: RFI 019 Part 2 Estimated Mine-affected Streamflow Values (with and without treated water) at Post-Closure (Phase 4). File No.: VA101-00176/57-A.01. Cont. No.: VA18-01487. September 28.
- Knight Piésold. 2018m. Re: Updated Synthetic Temperature and Precipitation Series for Pebble 1. Memorandum. File No.: VA101-00176/57-A.01, Cont. No.: VA18-00250. May 1.
- Knight Piésold. 2018n. Re: RFI 19c Response. File No.: VA101-00176/57-A.01. Cont. No.: VA18-01901. October 3.
- Knight Piésold. 2018o. Pebble Project: EIS-FMEA Failure Scenario for the Bulk Tailings Storage Facility. December 13.

- Knight Piésold. 2018p. Pebble Project: EIS FMEA Failure Scenario for the Pyritic Tailings Storage Facility. December 12.
- Knight Piésold. 2018q. Pebble Project: EIS-FMEA Failure Scenario for the Main Water Management Pond. December 7.
- Knight Piésold. 2018r. RE: Pebble Project—Operations Water Balance and Water Quality Model Sensitivity Analysis. Letter from A. Shawn, MASc, PE; and J. Cathcart, Ph.D., P.E., to J. Fuego, PLP. File No.: VA101-00176/57-A.01 Cont. No. VA18-02369. December 20.
- Knight Piésold. 2018s. RE: Pebble Project Watershed Model Description. December 21.
- Knight Piésold. 2018t. RFI 006a—Follow-up Questions on Seepage Analysis. Prepared for Pebble Limited Partnership. July 16.
- Knight Piésold. 2015a. Pebble Project Supplemental Environmental Baseline Document 2004–2012. Chapter 6: Geotechnical Studies, Seismicity, and Volcanism, Bristol Bay Drainages. March.
- Knight Piésold. 2015b. Pebble Project Supplemental Environmental Baseline Document 2004–2012. Chapter 7: Surface Water Hydrology.
- Knight Piésold. 2013. Report on Seismicity Assessment and Seismic Design Parameters. Pebble Limited Partnership Pebble Project. VA101-176/44-1 Rev B. August 14.
- Knight Piésold. 2013. Report on Seismicity Assessment and Seismic Design Parameters. Pebble Limited Partnership Pebble Project. VA101-176/44-1 Rev B. August 14.
- Knight Piésold. 2012. Hydrometeorology. Prepared for Pebble Limited Partnership. VA101-176/40-1 Rev. 0. February 24.
- Knight Piésold. 2012b. Pebble Limited Partnership Pebble Project: 2011 Geotechnical Site Investigation. Prepared for Pebble Limited Partnership. May 10.
- Knight Piésold. 2011a. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 3: Geology and Mineralization Bristol Bay Drainages. May 9.
- Knight Piésold. 2011b. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 4: Physiography Bristol Bay Drainages. May 10.
- Knight Piésold. 2011c. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 6: Geotechnical Studies, Seismicity, and Volcanism. Bristol Bay Drainages. December 6.
- Knight Piésold. 2011d. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 27: Geology and Mineralization.
- Knight Piésold. 2011f. Pebble Project Environmental Baseline Document 2004 through 2008—Chapter 30. Geotechnical Studies, Seismicity, and Volcanism.
- Knight Piésold. 2011g. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 31: Surface Water Hydrology.
- Knight Piésold. 2011h. Pebble Limited Partnership Pebble Project. 2010 Geotechnical Site Investigation Data Report. Prepared for Pebble Limited Partnership. March 30.
- Knight Piésold. 2009. Climate at the Pebble Project Site. Prepared for the Pebble Limited Partnership. VA101-176/28-1, Revision 1. September 21.

- Knight Piésold, et al. 2011a. (Knight Piésold, ABR, 3PPI, and Bristol Environmental & Engineering Services Corp. 2011a.) Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 7: Surface Water Hydrology, Bristol Bay Drainages. May 5.
- Koehler, R. D. 2010. Technical Review of a Trench Across Potential Fault Scarp Feature East of Lower Talarik Creek, Lake Iliamna Area, Southwestern Alaska. Alaska Department of Natural Resources, Division of Geological & Geophysical Surveys.
- Koehler and Carver. 2017. (Koehler, R. D., and G. A. Carver. 2017.) Active faults and seismic hazards in Alaska. Alaska Div. Geol. Geophys. Surv.
- Koehler and Reger. 2011. (Koehler, R. D., and R. D. Reger. 2011.) Reconnaissance Evaluation of the Lake Clark Fault, Tyonek Area, Alaska. Alaska Department of Natural Resources, Division of Geological & Geophysical Surveys.
- Koehler et al. 2013. (Koehler, R. D., P. A. C. Burns, and J. R. Weakland. 2013.) Digitized Faults of the Neotectonic Map of Alaska (Plafker and others, 1994).
- Koehler et al. 2012. (Koehler, R. D., R.-E. Farrell, P. A. C. Burns, and R. A. Combellick. 2012.) Quaternary Faults and Folds in Alaska: A Digital Database.
- Koehler et al. 2005. (Koerner, R. M., Y. G. Hsuan, and G. R. Koerner. 2005.) Geomembrane lifetime prediction: unexposed and exposed conditions. GRI White Paper, 6.
- Kolden and Aimones-Martin. 2013. (Kolden, K. D., and C. Aimones-Martin. 2013.) Blasting Effects on Salmonids. Prepared by Alaska Seismic and Environmental, LLC and Aimone-Martin Associates, LLC, for Alaska Department of Fish and Game, Juneau. 31 pp.
- Kondolf and Wolman. 1993. (Kondolf, G. M., and M. G. Wolman. 1993.) The sizes of salmonid spawning gravels. *Water Resources Research*, 29(7), 2275-2285.
- Korschgen and Dahlgren. 1992. (Korschgen, C. E., and R. B. Dahlgren. 1992.) Human Disturbances of Waterfowl: Causes, Effects, and Management. In *Waterfowl Management Handbook*. Fort Collins, CO: US Fish and Wildlife Service, 1992. Available: <http://www.nwrc.usgs.gov/wdb/pub/wmh/contents.html>.
- Korschgen et al. 1985 (Korschgen, C. E., L. S. George, and W. L. Green. 1985.) Disturbance of diving ducks by boaters on a migrational staging area. *Wildlife Society Bulletin* 13(3):290–296.
- KPB (Kenai Peninsula Borough). 2017. Kenai Peninsula Borough Comprehensive Plan 2018 Update. Public Review Draft. December 15.
- KPB. 2014. All-Hazard Mitigation Plan. Section 2.0: Floods and Erosion.
- KPB. 2005. Kenai Peninsula Borough Comprehensive Plan. June.
- Krieg et al. 2009. (Krieg, T. M., D. L. Holen, and D. S. Koster. 2009.) Subsistence Harvests and Uses of Wild Resources in Igiugig, Kokhanok, Koliganek, Levelock, and New Stuyahok, Alaska, 2005. Alaska Department of Fish and Game, Division of Subsistence.
- Krieg et al. 2003. (Krieg, T., M. Chythlook, P. Coiley-Kenner, D. Holen, K. Kamletz, and H. Nicholson. 2003.) Subsistence Fisheries Assessment: Kvichak River Watershed Resident Species. Federal Subsistence Fishery Monitoring Program, Final Project Report No. FIS 02-034. US Fish and Wildlife Service, Office of Subsistence Management, Fisheries Resource Monitoring Program, Fishery Information Service, Anchorage, AK.

- Krieger and Wing. 1986. (Krieger, K. J., and B. L. Wing.) 1986. Hydroacoustic Monitoring of Prey to Determine Humpback Whale Movements. National Oceanic and Atmospheric Administration Technical Memorandum NMFS/NWC-98. 62 pp.
- Krieger and Wing 1984. Hydroacoustic surveys and identification of humpback whale forage in Glacier Bay, Stephens Passage, and Frederick Sound, southeastern Alaska, summer 1983. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Northwest and Alaska Fisheries Center, Auke Bay Laboratory.
- Kuan et al. 2012. (Kuan, W. K., G. Jin, P. Xin, C. Robinson, B. Gibbes, and L. Li. 2012.) Tidal influence on seawater intrusion in unconfined coastal aquifers. *Water Resources Research* 48(2).
- Kucey, L. 2005. Human disturbance and the hauling out behavior of Steller sea lions (*Eumetopias jubatus*). Master of Science, University of British Columbia, 75 pp.
- Kugo, Y. (ed.). 2017. Local Travel Routes, Oral Narratives, and Place Names in the Iliamna Lake Area. Iliamna, AK: Iliamna Village Council.
- Kuipers et al. 2006. (Kuipers, J. R., A. S. Maest, K. A. MacHardy, and G. Lawson. 2006.) Comparison of Predicted and Actual Water Quality at Hardrock Mines: The reliability of predictions in Environmental Impact Statements.
- Kujawa and Liberman. 2009. (Kujawa, S. G., and M. C. Liberman. 2009.) Adding Insult to Injury: Cochlear Nerve Degeneration after “Temporary” Noise-Induced Hearing Loss. *The Journal of Neuroscience* 29:14077-14085.
- Kuletz et al. 2011. (Kuletz, K. J., S. G. Speckman, J. F. Piatt, and E. A. Labunski. 2011.) Distribution, population status and trends of Kittlitz’s murrelet *Brachyramphus brevirostris* in Lower Cook Inlet and Kachemak Bay, Alaska. *Marine Ornithology* 39:85-95.
- Kuletz and Labunski. 2017. (Kuletz, K. J., and E. A. Labunski. 2017.) Seabird Distribution and Abundance in the Offshore Environment, Final Report. US Dept. of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. OCS Study BOEM 2017-004. Provided to BOEM by the US Fish and Wildlife Service, 59 pp, plus Appendices.
- Kumar and Singh. 2010. (Kumar, P., and A. Singh. 2010.) Cadmium toxicity in fish: An overview. *GERF Bulletin of Biosciences*, 1(1), 41-47.
- Laidre et al. 2000. (Laidre, K. L., K. E. W. Shelden, D. J. Rugh, and B. A. Mahoney. 2000.) Beluga, *Delphinapterus leucas*, distribution and survey effort in the Gulf of Alaska. *Marine Fisheries Review* 62:27–36.
- Lambert, G. 2009. Adventures of a sea squirt sleuth: unraveling the identity of *Didemnum vexillum*, a global ascidian invader. *Aquatic Invasions*. 4(1): 5-28.
- Larned, W. W. 2006. Winter distribution and abundance of Steller’s eiders (*Polysticta stelleri*) in Cook Inlet, Alaska, 2004–2005. US Fish and Wildlife Service.
- Larned, W. W. 2005. Aerial Survey of Lower Cook Inlet to Locate Molting Flocks of Steller’s Eiders and Mergansers. Trip report, 14.
- Larrauri and Lall. 2018. (Larrauri, P., and U. Lall. 2018.) Tailings dams failures: updated statistical model for discharge volume and runout. *Environments*, 5(2), 28.
- Laurian et al. 2008. (Laurian, C., C. Dussault, J. Ouellett, R. Courtois, M. Poulin, and L. Breton. 2008.) Behavior of moose relative to a road network. *The Journal of Wildlife Management* 72:1550–1557. doi:10.2193/2008-063.

- Lavergne and Molofsky. 2004. (Lavergne, S., and Molofsky, J. 2004.) Reed canary grass (*Phalaris arundinacea*) as a biological model in the study of plant invasions. *Critical reviews in plant sciences*, 23(5), 415-429.
- Le Prell, C. G. 2012. Noise-induced hearing loss: from animal models to human trials. pp. 191-195 In: A. N. Popper and A. Hawkins (eds.), *The effects of noise on aquatic life*. Springer, New York, NY. 695 pp.
- Leão Martins et al. 2016. (Leão Martins, D. T., M. R. Rossi-Santos, and F. J. D. Lima Silva. 2016.) Effects of anthropogenic noise on the acoustic behaviour of *Sotalia guianensis* (Van Bénédén, 1864) in Pipa, North-eastern Brazil. *Marine Biological Association of the United Kingdom. Journal of the Marine Biological Association of the United Kingdom* 98:215-222.
- Lechtenberg and Nahrstedt. 1999. (Lechtenberg, M., and A. Nahrstedt. 1999.) Cyanogenic glycosides in: Ikan, R, editor. *Naturally Occurring Glycosides*. Chichester, UK: John Wiley & Sons Ltd. pp. 147–191.
- Ledezma et al. 2011. (Ledezma, C., S. Ashford, T. Hutchinson, R. E. Moss, P. Arduino, R. Kayen, and S. Olson. 2011.) Effects of Liquefaction-Induced Ground Failure on Bridges, Roads, Railroads and Lifeline Systems. *Earthquake Spectra*.
- Lee et al. 2016. (Lee, E. M., P. G. Fookes, and A. B. Hart. 2016.) Landslide issues associated with oil and gas pipelines in mountainous terrain. *Quarterly Journal of Engineering Geology and Hydrogeology*. 13 May. Available: <https://doi.org/10.1144/qjgegh2016-020>.
- Lee et al. 1999. (Lee, L. C., M. C. Rains, J. L. Cassin, S. R. Stewart, R. Post, M. Brinson, M. Clark, J. Hall, G. Hollands, D. LaPlant, W. Nutter, J. Powell, T. Rockwell, D. Whigham, and W. Kleindl. 1999.) Operational Draft Guidebook for Reference Based Assessment of the Functions of Precipitation-Driven Wetlands on Discontinuous Permafrost in Interior Alaska. State of Alaska Department of Environmental Conservation/U. S. Army Corps of Engineers Waterways Experiment Station Technical Report Number: WRP-DE-_____1999. 253 pp.
- Legagneux and Ducatez. 2013. (Legagneux, P., and S. Ducatez. 2013.) European birds adjust their flight initiation distance to road speed limits. *Biology Letters* 9(5):20130417. Available: <http://dx.doi.org/10.1098/rsbl.2013.0417>.
- Leibowitz, S.G., P.J. Wigington Jr., K.A. Schofield, L.C. Alexander, M.K. Vanderhoof and H.E. Golden. Connectivity of Streams and Wetlands to Downstream Waters: An Integrated Systems Framework. *Journal of American Water Resources*, 2018.
- Lekkas, Eythimios. 2008. Zipingpu Dam failures (Sichuan Prefecture, China) caused by the 7.9 R earthquake on the 12th May 2008. *ESC*, 238-239.
- Lemly, A. Dennis. 1997. Environmental Implications of Excessive Selenium: A Review. *Biomedical and Environmental Sciences* 10. 415.435 (1997). 21 pp.
- Lemly, A. D. 1993. Teratogenic effects of selenium in natural populations of freshwater fish. *Ecotoxicology and environmental safety*, 26(2), 181-204.
- Lemly, A. D. 1985. Toxicology of selenium in a freshwater reservoir: Implications for environmental hazard evaluation and safety. *Ecotoxicol. Environ. Safety*. 10: 314-338.
- Leonetti, F. E. (1997). Estimation of surface and intragravel water flow at sockeye salmon spawning beaches in Iliamna Lake, Alaska. *North American Journal of Fisheries Management*, 17(1), 194-201.

- Leps, T. M. (1970). Review of shearing strength of rockfill. Journal of Soil Mechanics & Foundations Div.
- Lerczak et al. 2000. (Lerczak, J. A., K. E. W. Shelden, and R. C. Hobbs. 2000.) Application of suction-cup-attached VHF transmitters to the study of beluga, *Delphinapterus leucas*, surfacing behavior in Cook Inlet, Alaska. Marine Fisheries Review 62(3):99–111.
- Lesage et al. 1999. (Lesage, V., C. Barrette, M. C. S. Kingsley, and B. L. Sjare. 1999.) The effect of vessel noise on the vocal behavior of belugas in the St. Lawrence River estuary, Canada. Marine Mammal Science 15:65–84.
- Levit, S. M. 2010. A literature review of effects of cadmium on fish. Center for Science in Public Participation, Bozeman. Montana, November.
- Lewis, J. 1993. Bears Escape Injury. Alaska's Wildlife Volume 25, No. 1. Alaska Department of Fish and Game, January.
- LGL et al. 2014. LGL Alaska Research Associates, Inc., JASCO Applied Sciences, Inc., and Greeneridge Sciences, Inc. 2014. Joint Monitoring Program in the Chukchi and Beaufort Seas, 2012. LGL Alaska Final
- Liberman, M. C. 2016. Noise-Induced Hearing Loss: Permanent Versus Temporary Threshold Shifts and the Effects of Hair Cell Versus Neuronal Degeneration. Pages 1-7. The Effects of Noise on Aquatic Life II. Springer New York, New York, NY.
- Lichvar et al. (Lichvar, R. W., D. L. Banks, W. N. Kirchner, and N. C. Melvin. 2016.) The National Wetland Plant List: 2016 wetland ratings. Phytoneuron 2016-30: 1–17. Published 28 April 2016. ISSN 2153 733X.
- Liebezeit et al. 2012. (Liebezeit, J., E. Rowland, M. Cross, and S. Zack. 2012.) Assessing Climate Change Vulnerability of Breeding Birds in Arctic Alaska. A report prepared for the Arctic Landscape Conservation Cooperative. Bozeman, MT: Wildlife Conservation Society, North America Program. 167 pp.
- Lill, A. 2017. Alaska Peninsula Caribou Herds Increasing, Says Area Management Biologist. Article from KDGL, Public Radio for Alaska's Bristol Bay. Available: <http://www.kdgl.org/post/alaska-peninsula-caribou-herds-increasing-says-area-management-biologist#stream/0>.
- Limpinsel, D. 2013. An Assessment of Potential Mining Impacts on Salmon Ecosystems of Bristol Bay, Alaska. Vol. 3-Appendix F: Biological Characterization: Bristol Bay Marine Estuarine Processes, Fish and Marine Mammal Assemblages. December.
- Limpinsel et al. 2017. (Limpinsel, D. E., M. P. Eagleton, and J. L. Hanson. 2017.) Impacts to Essential Fish Habitat from Non-fishing Activities in Alaska. EFH 5 Year Review: 2010 through 2015. US Department of Commerce, National Oceanic and Atmospheric Administration Technical Memorandum. NMFS-F/AKR-14. 229 pp.
- Linbo et al. 2009. (Linbo, T. L., D. H. Baldwin, J. K. McIntyre, and N. L. Scholz. 2009.) Effects of water hardness, alkalinity, and dissolved organic carbon on the toxicity of copper to the lateral line of developing fish. Environ Toxicol Chem 28:1455–1461.
- Linbo et al. 2006. (Linbo, T. L., C. M. Stehr, J. P. Incardona, and N. L. Scholz. 2006) Dissolved copper triggers cell death in the peripheral mechanosensory system of larval fish. Environ Toxicol Chem 25:597–603.

- Linnell et al. 2000. (Linnell, J. D. C., J. E. Swenson, R. Andersen, and B. Barnes. 2000.) How vulnerable are denning bears to disturbance? *Wildlife Society Bulletin*. June. DOI: 10.2307/3783698.
- Lipscomb et al. 1994. (Lipscomb, T. P., R. K. Harris, A. H. Rebar, B. E. Ballachey, and R. J. Haebler. 1994.) Pathology of Sea Otters. In *Marine Mammals and the Exxon Valdez*, ed. T. R. Loughlin, 265–279. San Diego, CA: Academic Press.
- Lloyd, D. S. 1987. Turbidity as a water quality standard for salmonid habitats in Alaska. *North American Journal of Fisheries Management* 7:34–45.
- Lloyd and Fastie. 2003. (Lloyd, A. H., and C. L. Fastie. 2003.) Recent changes in treeline forest distribution and structure in interior Alaska. *Écoscience*, 10:2 pp. 176-185.
- LM (LyncMigration). 2010. TERRA SW Hybrid Fiber Optic-Microwave Broadband Network Easement ADL #230875. Skype for Business Industry News Article. November 18.
- Lockheed Martin 2019. Hybrid Airship. Accessed December 10.
- Lockyer, E. 2016. Port Mackenzie Repairs Spread Mat-Su Budget Thin. Alaska Public Media. December 30. Available: <https://www.alaskapublic.org/2016/12/30/port-mackenzie-repairs-spread-mat-su-budget-thin/>.
- Loeffler and Schmidt. 2017. (Loeffler, B., and J. Schmidt. 2017.) Local Jobs and Income from Mineral Exploration: A Case Study of the Pebble Exploration Project. January.
- London et al. 2012. (London, J. M., J. M. Ver Hoef, S. J. Jeffries, M. M. Lance, and P. L. Boveng. 2012.) Haul-out behavior of harbor seals (*Phoca vitulina*) in Hood Canal, Washington. *PloS One* 7(6), e38180.
- Longcore and Rich. 2016. (Longcore, T., and C. Rich. 2016.) Artificial Night Lighting and Protected Lands: Ecological Effects and Management Approaches. Natural Resource Report NPS/NRSS/NSNS/NRR—2016/1213. Fort Collins, CO: National Park Service.
- Longcore et al. 2007. (Longcore, J. R., T. A. Haines, and W. A. Halteman. 2007.) Mercury in tree swallow food, eggs, bodies, and feathers at Acadia National Park, Maine, and an EPA Superfund site, Ayer, Massachusetts. *Environmental monitoring and assessment*, 126(1-3), 129-143.
- Look, B. 2007. *Handbook of Geotechnical Investigation and Design Tables*. Leiden, The Netherlands: Taylor & Francis/Kalkema.
- Lorax Environmental. 2018. Pebble Project Pit Lake—Water Quality Predictions. Technical Memorandum. Project #A501-1. October 31.
- Lovley and Phillips. 1986. (Lovley, D. R., and E.J. Phillips. 1986.) Organic matter mineralization with reduction of ferric iron in anaerobic sediments. *Appl. Environ. Microbiol.*, 51(4), 683-689.
- LPB (Lake and Peninsula Borough). 2018a. Other Adventurous Tours, Berry Picking, Clam Digging, and More. Available: http://www.lakeandpen.com/visitors/things_to_do/other_alaska_adventures. Accessed March 24, 2018.
- LPB. 2018b. Guide Tax and Bed Tax Revenues FY 2015–2018. Personal Communication. September 11.
- LPB. 2018d. Lake and Peninsula Borough Regular Assembly Meeting Notice and Agenda. February 20.

- LPB. 2018e. Basic Financial Statements, Required Supplementary Information, Additional Supplementary Information and Compliance Reports Year Ended June 30, 2018.
- LPB. 2015. Lake and Peninsula Borough Lease Availability. Map produced by HDR in cooperation with Lake and Peninsula Borough. November 3.
- LPB. 2012. Lake and Peninsula Borough Comprehensive Plan Update. Public Review Draft Plan. September.
- LPB. n.d. LPB: Title 9 Planning Powers. Lake and Peninsula Borough Municipal Code.
- Luino and De Graff. 2012. (Luino, F., and J. V. De Graff. 2012.) The Stava mudflow of 19 July 1985 (Northern Italy): a disaster that effective regulation might have prevented. *Natural Hazards & Earth System Sciences*, 12(4).
- Luís et al. 2014. (Luis, A. R., M. N. Couchinho, and M. E. Dos Santos. 2014.) Changes in the acoustic behavior of resident bottlenose dolphins near operating vessels. *Marine Mammal Science* 30:1417-1426.
- Luoma and Presser. 2009. (Luoma, S. N., and T. S. Presser. 2009.) Emerging opportunities in management of selenium contamination. *Environmental Science and Technology*. 43:8483-8487.
- Luoma and Rainbow. 2005. (Luoma, S. N., and P. S. Rainbow. 2005.) Why is metal bioaccumulation so variable? *Biodynamics as a unifying concept. Environmental Science & Technology* 39:1921-1931.
- Luoma et al. 1992. (Luoma, S. N., C. Johns, N. S. Fisher, N. A. Steinberg, R. S. Oremland, and J. R. Reinfelder. 1992.) Determination of selenium bioavailability to a benthic bivalve from particulate and solute pathways. *Environ. Sci. Technol.* 26(3): 485-491.
- Lynker (Lynker Technologies, LLC). 2019. A model analysis of flow and deposition from a tailings dam failure at the proposed Pebble Mine. Contract Number LYNK-2018-179. The Nature Conservancy, Boulder, Colorado.
- Lytle and Peckarsky. 2001. (Lytle, D. A., and B. L. Peckarsky. 2001.) Spatial and temporal impacts of a diesel fuel spill on stream invertebrates. *Freshwater Biology*, 46(5), 693-704.
- MacArthur and Wilson. 1967. (MacArthur, Robert H., and Edward O. Wilson. 1967). The theory of island biogeography. Princeton University Press.
- MacDonald, Alistair, 2019. Miners Disclose Questionable Stability of Dams. *Wall Street Journal*. June 9.
- MacGillivray et al. 2014. (MacGillivray, A. O., R. Racca, and Z. Li. 2014.) Marine mammal audibility of selected shallow-water survey sources. *The Journal of the Acoustical Society of America* 135:EL35-EL40.
- MacKevett and Plafker 1974. (MacKevett, E. M., and G. Plafker. 1974.) The Border Ranges fault in south-central Alaska. *US Geological Survey Journal of Research*, 2(3), 323-329.
- Maher et al. 2010. (Maher, W., A. Roach, M. Doblin, T. Fan, S. Foster, R. Garrett, G. Möller, L. Oram, and D. Wallschläger. 2010.) Chapter 4. Environmental sources, speciation, and partitioning of selenium. In: *Ecological assessment of selenium in the aquatic environment*. Chapman, P. M., W.J. Adams, M. L. Brooks, C. G. Delos, S. N. Luoma, W. A. Maher, H. M. Ohlendorf, T. S. Presser, and D. P. Shaw (Eds). SETAC Workshop on ecological assessment of selenium in the aquatic environment. CRC Press. Boca Raton, FL, New York, NY, London. 339 pp.

- Major et al. 2001. (Major, E. B., B. K. Jessup, A. Prussian, and D. Rinella. 2001.) Alaska Stream Condition index: Biological Index Development for Cook Inlet 1997–2000 Summary. Prepared by Environment and Natural Resources Institute, University of Alaska, Anchorage, and Tetra Tech, Inc., for Alaska Department of Environmental Conservation. August.
- Makdisi and Seed. 1977. (Makdisi, F. I., and H. B. Seed. 1977.) A Simplified Procedure for Estimating Earthquake-Induced Deformations in Dams and Embankments. Report No. UCB/EERC-77/19. August.
- Malcolm and Penner. 2011. (Malcolm, C., and H. Penner. 2011.) Behaviour of belugas in the presence of whale watching vessels in Churchill, Manitoba and recommendations for local beluga watching activities. Pages 54-79.
- Malm, W. C. 1999. Introduction to Visibility. Cooperative Institute for Research in the Atmosphere. ISSN 0737-5352-40.
- Malme et al. 1986. (Malme, C. I., B. Wuersig, J. E. Bird and P. Tyack. 1986.) Behavioral responses of gray whales to industrial noise: feeding observations and predictive modeling. ; BBN Labs., Inc., Cambridge, MA (USA), PB-88-249057/XAB United States NTIS, PC A25. GRA English. Medium: X; Size: Pages: 206 pp.
- Mangipane et al. 2018. (Mangipane, L. S., J. L. Belant, T. L. Hiller, M. E. Colvin, D. D. Gustine, B. A. Mangipane, and G. V. Hilderbrand. 2018.) Influences of landscape heterogeneity on home-range sizes of brown bears. *Mammalian Biology*, 88, 1-7.
- Maniscalco et al. 2004. (Maniscalco, J. M., K. Wynne, K. W. Pitcher, M. B. Hanson, S. R. Melin, and S. Atkinson. 2004.) The occurrence of California sea lions (*Zalophus californianus*) in Alaska. *Aquatic Mammals*, 30(3), 427-433.
- Mann et al. 2011. (Mann, R. M., M. G. Vijver, and J. G. M. Peignenburg. 2011.) Metals and Metalloids in Terrestrial Systems: Bioaccumulation, Biomagnification and Subsequent Adverse Effects. In *Ecological Impacts of Toxic Chemicals*, eds. F. Sánchez-Bayo, P. J. van den Brink, and R. M. Mann, Chapter 3. Bentham Books.
- Manville, A. M. II. 2000. The ABCs of avoiding bird collisions at communication towers: the next steps. Proceedings of the Avian Interactions Workshop, December 2, 1999, Charleston, SC. Electric Power Research Institute (in press).
- Marcus et al. 2001. (Marcus, W., A., G. A. Meyer, and D.R. Nimmo. 2001.) Geomorphic control of persistent mine impacts in a Yellowstone Park stream and implications for the recovery of fluvial systems. *Ecological Impacts of Toxic Chemicals*. Bentham Science Publishers. 2011.
- Marine Management Organization. 2018. Displacement and Habituation of Seabirds in Response to Marine Activities. A report produced for the Marine Management Organization. MMO Project No. 1139. May. 69 pp.
- Markon et al. 2018. (Markon, C., S. Gray, M. Berman, L. Eerkes-Medrano, T. Hennessey, H. Huntington, J. Littell, M. McCammon, R. Thoman, and S. Trainor. 2018.) Alaska. In *Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment, Volume II*, Chapter 26, eds. D. R. Reidmiller, C. W. Avery, D. R. Easterling, K. E. Kunkel, K. L. M. Lewis, T. K. Maycock, and B. C. Stewart. Washington, DC: US Global Change Research Program, doi: 10.7930/NCA4.2018.

- Marr, W. Allen. 2019. Why Mine Waste Impoundments Experience Stability Failures. Committee on Geological and Geotechnical Engineering Board on Earth Sciences and Resources, National Academies of Sciences, Engineering, and Medicine. September 5.
- Marshall et al. 2014. (Marshall, C. D., K. Rozas, B. Kot, and V. A. Gill. 2014.) Innervation patterns of sea otter (*Enhydra lutris*) mystacial follicle-sinus complexes. *Frontiers in Neuroanatomy* 8(121). 8 pp.
- Martin et al. (Martin, V., M. Al-Mamun, and A. Small. 2019.) CDA technical bulletin on tailings dam breach analyses. In *Sustainable and Safe Dams Around the World/Un monde de barrages durables et sécuritaires* (pp. 3484-3498). CRC Press.
- Martin et al. 2017. (Martin, A., C. Fraser, D. Dunbar, S. Mueller, and N. Eriksson. 2017.) Pit Lake Modeling at the Aitik Mine Northern Sweden: Importance of Site-Specific Model Inputs and Implications for Closure Planning. 13th Annual Mine Water Association Congress, Rauha-Lappeenranta, Finland, June 25–30.
- Martin and Stacey. 2018. (Martin, D., and P. Stacey [Eds.]. 2018). *Guidelines for Open Pit Slope Design in Weak Rocks*. CSIRO PUBLISHING.
- Martinez, C. T. 1994. Selenium Levels in Selected Species of Aquatic Birds on Imperial National Wildlife Refuge. Master's Thesis, University of Arizona.
- Mathisen et al. 1988. (Mathisen, O. A., P. L. Parker, J. J. Goering, T. C. Kline, P. H. Poe, R. S. Scalan. 1988.) Recycling of marine elements transported into freshwater systems by anadromous salmon: With 4 figures and 3 tables in the text. *Internationale Vereinigung für theoretische und angewandte Limnologie: Verhandlungen*, 23(4), 2249-2258.
- Matsui et al. 2001. (Matsui, T., K. Oda, I. Aoshima, H. Murakami, A. Nakahira, C. Kuroda, and N. Suzuki. 2001.) "Evaluation of Seismic Safety of a Large Caisson Structure." *International Conferences on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics*. 15. Available: <https://scholarsmine.mst.edu/icrageesd/04icrageesd/session07/15>.
- Matthews et al. 2013. (Matthews, D. A., D. B. Babcock, J. G. Nolan, A. R. Prestigiacomo, S. W. Effler, C. T. Driscoll, S. G. Todorova, and K. M. Kuhr. 2013) Whole-lake nitrate addition for control of methylmercury in mercury-contaminated Onondaga Lake, NY. *Environ Res* 125:52–60.
- Mazet et al. 2001. (Mazet, J. A. K., I. A. Gardner, D. A. Jessup, and L. J. Lowenstine. 2001.) Effects of petroleum on mink applied as a model for reproductive success in sea otters. *Journal of Wildlife Diseases* 37(4):686–692.
- McArthur and Richardson. 2002. (McArthur, M. D., and J. S. Richardson. 2002.) Microbial utilization of dissolved organic carbon leached from riparian litterfall. *Canadian Journal of Fisheries and Aquatic Sciences*, 59(10), 1668-1676.
- McDonald et al. 2001. (McDonald, P. S., G. C. Jensen, and D. A. Armstrong. 2001.) The competitive and predatory impacts of the nonindigenous crab *Carcinus maenas* (L.) on early benthic phase Dungeness crab *Cancer magister* Dana. *Journal of Experimental Marine Biology and Ecology*, 258(1), 39-54.
- McDowell Group. 2018a. Socioeconomics—Bristol Bay Drainages, Updated Detailed Cumulative Baseline Data (2000–2018). Prepared for The Pebble Partnership. May 8.
- McDowell Group. 2018b. Human Health Cumulative Baseline Data: Bristol Bay Drainages (2000–2018). Prepared for The Pebble Partnership. July.

- McDowell Group. 2018c. The Economic Benefits of Alaska's Mining Industry. Prepared for Alaska Miners Association. 66 pp. March.
- McDowell Group. 2017. Bristol Bay Sockeye Market Analysis-Fall 2017 Edition. <https://static1.squarespace.com/static/56b0dfb660b5e98b87fc3d52/t/5a0b260171c10b6a45933a05/1510680067949/Fall+2017+Sockeye+Market+Report+-+FINAL.pdf> Accessed August 23, 2019.
- McDowell Group. 2016. Bristol Bay Sockeye Market Analysis-Fall 2016 Edition. <https://static1.squarespace.com/static/56b0dfb660b5e98b87fc3d52/t/583f88a146c3c427a3ce1ad9/1480558756298/Fall+2016+Sockeye+Market+Report+-+Final.pdf> Accessed August 23, 2019.
- McDowell Group. 2015. Bristol Bay Sockeye Market Analysis-Fall 2015 Edition. <http://www.mcdowellgroup.net/wp-content/uploads/2015/12/Fall-2015-Sockeye-Market-Report-Final.pdf> Accessed August 23, 2019.
- McDowell Group. 2014. Sockeye Market Analysis. <https://static1.squarespace.com/static/56b0dfb660b5e98b87fc3d52/t/56d629ada3360c63697f9c2d/1456875983985/Jan2014-Bristol-Bay-Sockeye-Report-Final+2.pdf> Accessed August 23, 2019.
- McDowell Group et al. 2011a. (McDowell Group, J. Buell, and Stephen R. Braund & Associates. 2011a.) Pebble Project Environmental Baseline Document 2004 through 2008 (with updates in 2009). Chapter 21: Socioeconomics.
- McGarr et al. 1968. (McGarr, A., and R. C. Vorhis. 1968.) Seismic Seiches from the March 1964 Alaska Earthquake. The Alaska Earthquake, March 27, 1964: Effects on the Hydrologic Regimen. Geological Survey Professional Paper 544-E. August 14.
- McGarr et al. 2002. (McGarr, A., D. Simpson, L. Seeber, L., and W. Lee. 2002.) Case histories of induced and triggered seismicity. International Geophysics Series, 81(A), 647-664.
- McHugh and Budy 2004. (McHugh, P., and P. Budy. 2004.) Patterns of Spawning Habitat Selection and Suitability for Two Populations of Spring Chinook Salmon, with an Evaluation of Generic versus Site-Specific Suitability Criteria. Transactions of the American Fisheries Society 133:89-97.
- McIntyre et al. 2012. (McIntyre, J. K., D. H. Baldwin, D. A. Beauchamp, and N. L. Scholz. 2012.) Low-level copper exposures increase visibility and vulnerability of juvenile coho salmon to cutthroat trout predators. *Ecol Appl* 22:1460-1471.
- Mckenna, M. F. 2011. Blue Whale Response to Underwater Noise from Commercial Ships. 3457564 Ph.D., University of California, San Diego, Ann Arbor 242 pp.
- McLellan and Shackleton. 1988. (McLellan, B. N., and D. M. Shackleton. 1988.) Grizzly bears and resource extraction industries: effects of roads on behavior, habitat use, and demography. *Journal of Applied Ecology* 25:451-460.
- McLellan, B. N. 1989. Dynamics of a grizzly bear population during a period of industrial resource extraction. II. Mortality rates and causes of death. *Canadian Journal of Zoology* 67, 1861-1864.
- McPhail, Gordon. 2015. Probabilistic dam break assessment and flow slide analysis for tailings storage facilities. Tailings 2015, 3rd International Seminar on Tailings Management.
- McShane et al. 1995. (McShane, L. J., J. A. Estes, M. L. Riedman, and M. M. Staedler. 1995.) Repertoire, Structure, and Individual Variation of Vocalizations in the Sea Otter. *Journal of Mammalogy*, 76(2):414-427.

- Mehrotra and Sedlak. 2005. (Mehrotra, A. S., and D. L. Sedlak. 2005.) Decrease in net mercury methylation rates following iron amendment to anoxic wetland sediment slurries. *Environ Sci Technol* 39:2564–2570.
- Melcón et al. 2012. (Melcón, M. L, A. J. Cummins, S. M. Kerosky, L. K. Roche, S. M. Wiggins, and J. A. Hildebrand. 2012.) Blue Whales Respond to Anthropogenic Noise. *PLoS ONE* 7(2):e32681.
- MEND (Mine Environment Neutral Drainage Program). 2017. Study of Tailings Management Technologies. MEND Report 2.50.1. October.
- Merrit and Cummins. 1996. (Merrit, R. W., and K.W. Cummins. 1996.) An introduction to the aquatic insects of North America. Dubuque: Kendall/Hunt, cop. 1996.
- Metsker, H. 1967. Iliamna Lake watershed freshwater commercial fisheries investigation of 1964. State of Alaska, Department of Fish and Game.
- Meyer and Adams. 2010. (Meyer, J. S., and W. J. Adams. 2010.) Relationship between biotic ligand model-based water quality criteria and avoidance and olfactory responses to copper by fish. *Environ Toxicol Chem* 29:2096–2103.
- Meyer and DeForest 2018. (Meyer, J. S., and J. K. DeForest. 2018.) Protectiveness of Cu water quality criteria against impairment of behavior and chemo/mechanosensory responses: an update. *Environmental Toxicology and Chemistry* 37(5):1260–1279. January.
- Michael Minor & Associates, Inc. 2010. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 12: Noise, Bristol Bay Drainages. August 24.
- Michel and Rutherford. 2013. (Michel, J., and N. Rutherford. 2013.) Oil Spills in Marshes. Planning and Response Considerations. National Oceanic and Atmospheric Administration. American Petroleum Institute. September.
- Midnight Sun Court Reporters 2018. Pebble Project Scoping Meetings Transcripts—Igiugig, Alaska. April 18.
- Mikola et al. 1994. (Mikola, J., M. Miettinen, E. Lehtikainen, and K. Lehtila. 1994.) The effects of disturbance caused by boating on survival and behavior of velvet scoter *Melanitta fusca* ducklings. *Biological Conservation* 67(2):119–124.
- Miles et al. 2007. (Miles, A. K., P. L. Flint, K. A. Trust, M. A. Ricca, S. E. Spring, D. E. Arrieta, T. Hollmen, and B. W. Wilson. 2007.) Polycyclic aromatic hydrocarbon exposure in Steller's eiders (*Polysticta stelleri*) and harlequin ducks (*Histrionicus histrionicus*) in the eastern Aleutian Islands, Alaska, USA. *Environmental Toxicology and Chemistry* 26(12):2694–2703.
- Miles and Malme. 1983. (Miles, P. R. and C. I. Malme. 1983.) The acoustic environment and noise exposure of humpback whales in Glacier Bay, Alaska. Report to the National Marine Mammal Laboratory. Bolt, Beranek & Newman Inc, Cambridge, Mass.
- Miller et al. 1994. (Miller, A. J., D. R. Cayan, T. P. Barnett, N. E. Graham, and J. M. Oberhuber. 1994.) The 1976-77 climate shift of the Pacific Ocean. *Oceanography* 7: 21-26.
- Miller et al. 1998. (Miller, T. P., R. G. McGimsey D. H. Richter, J. R. Riehle, C. J. Nye, M. E. Yount, and J. A. Dumoulin. 1998.). Catalog of the historically active volcanoes of Alaska (No. 98-582). US Geological Survey.
- Miller, S. D. 1990. Denning Ecology of Brown Bears in Southcentral Alaska and Comparisons with a Sympatric Black Bear Population. *Bears: Their Biology and Management*. Vol. 8. pp. 279-287. January.

- Minard et al. 1992. (Minard, R. E., M. Alexandersdottir, and S. Sonnichsen. 1992.) Estimation of Abundance, Seasonal Distribution, and Size and Age Composition of Rainbow Trout in the Kvichak River, Alaska, 1986 to 1991. Alaska Department of Fish and Game, Fishery Data Series No. 92-51.
- Mizroch et al. 2009. (Mizroch, S. A., D. W. Rice, D. Zwiefelhofer, J. Waite, and W. L. Perryman. 2009.) Distribution and movements of fin whales in the North Pacific Ocean. *Mammal Review* 39(3):193–227.
- Molnar et al. 2008. (Molnar, J. L., R. L. Gamboa, C.Revenga, and M. D. Spalding. 2008.) Assessing the global threat of invasive species to marine biodiversity. *Frontiers in Ecology and the Environment*, 6(9), 485-492.
- Montgomery et al. 2007. (Montgomery, R. A., J. V. Hoef, and P. L. Boveng. 2007.) Spatial modeling of haul-out site use by harbor seals in Cook Inlet, Alaska. *Marine Ecology Progress Series* 341:257–264.
- Mooney et al. 2009a (Mooney, T. A., A.F. Pacini, and P.E. Nachtigall. 2009a.) False killer whale (*Pseudorca crassidens*) echolocation and acoustic disruption: implications for longline bycatch and depredation. *Canada Journal of Zoology*, 87:726-733.
- Mooney et al. 2009b. (Mooney, T. A., P. E. Nachtigall, M. Breese, S. Vlachos and W. W. L. Au. 2009b.) Predicting temporary threshold shifts in a bottlenose dolphin (*Tursiops truncatus*): The effects of noise level and duration. *The Journal of the Acoustical Society of America* 125:1816-1826.
- Moore, J. W. 2004. Animal ecosystem engineers in streams. *BioScience*, 56(3), 237-246.
- Moore et al. 2006a. (Moore, S., K. Stafford, D. Mellinger, and J. Hildebrand. 2006.) Listening for large whales in the offshore waters of Alaska. *BioScience* 56(1):49–55.
- Moore et al. 2006b. (Moore, K. M. S., K. K. Jones, and J. M. Dambacher. 2006.) Aquatic Inventories Project: Methods for stream habitat surveys. Oregon Department of Fish and Wildlife, Corvallis, Oregon. 67 pp.
- Moore et al. 2000. (Moore, S. E., K. E. W. Shelden, L. L. Litzky, B. A. Mahoney, and D. J. Rugh. 2000.) Beluga, *Delphinapterus leucas*, habitat associations in Cook Inlet, Alaska. *Marine Fisheries Review* 62:60–80.
- Morgenstern, N. R. 2018. Geotechnical Risk, Regulation, and Public Policy. *Soils and Rocks*, 41(2), 107-129.
- Morgenstern et al. 2016. (Morgenstern, N.R., S.G. Vick, C. B. Viotti, and B. D. Watts. 2016.) Fundão Tailings Dam Review Panel—Report on the Immediate Causes of Failure of the Fundão Dam. August 25.
- Morgenstern et al. 2015. (Morgenstern, N. R., S. G. Vick, and D. Van Zyl. 2015.) Report on Mount Polley Tailings Storage Facility Breach: Independent Expert Engineering Investigation and Review Panel. Available: <https://www.mountpolleyreviewpanel.ca/sites/default/files/report/ReportonMountPolleyTailingsStorageFacilityBreach.pdf>.
- Moriassi et al. 2006. (Moriassi, D. N., J. G. Arnold, M. W. Van Liew, R. L. Bingner, R. D. Harmel, and T. L. Veith. 2006. Model Evaluations Guidelines for Systematic Quantification of Accuracy in Watershed Simulations, American Society of Agricultural and Biological Engineers, 50 (3), pp 885-900.
- Morin and Hutt. 2009. (Morin, K. A., and N M. Hutt. 2009.) Mine-water leaching of nitrogen species from explosive residues. *Proceedings of GeoHalifax*, 20-24.

- Morris et al. 2019a. (Morris, J. M., S. F. Brinkman, M. W. Carney, and J. Lipton. 2019a.) Copper toxicity in Bristol Bay headwaters: Part 1—Acute mortality and ambient water quality criteria in low-hardness water. *Environmental toxicology and chemistry*, 38(1), 190-197.
- Morris et al. 2019b. (Morris, J. M., S. F. Brinkman, R. Takeshita, A. K. McFadden, M. W. Carney, and J. Lipton. 2019b.) Copper toxicity in Bristol Bay headwaters: Part 2—Olfactory inhibition in low-hardness water. *Environmental toxicology and chemistry*, 38(1), 198-209.
- Morris et al. 2012. (Morris, J., A. Maest, A. Craven, and J. Lipton. 2012.) The Biotic Ligand Model: Unresolved Scientific Issues and Site- and Species-specific Effects on Predicted Cu Toxicity. Prepared by Sstatus Consulting Inc. EPA Hardrock Mining Conference. April 4.
- Morrow, J. E. 1980. *The Freshwater Fishes of Alaska*. Anchorage: Alaska Northwest Publishing Company. 248 pp.
- Morstad, S. 2003. Kvichak River Sockeye Salmon Spawning Ground Surveys, 1955–2002. King Salmon, AK: Alaska Department of Fish and Game, Division of Commercial Fisheries. Available: <http://www.sf.adfg.state.ak.us/FedAidPDFs/RIR.2A.2002.32.pdf>.
- Mosbech and Boertmann. 1999. (Mosbech, A., and D. Boertmann. 1999.) Distribution, abundance and reaction to aerial surveys of post-breeding king eiders (*Somateria spectabilis*) in western Greenland. *Arctic* 52(2):188–203.
- Moulton et al. 2005. (Moulton, V. D., W. J. Richardson, R. E. Elliott, T. L. McDonald, C. Nations, and M. T. Williams.) Effects of an Offshore Oil Development on Local Abundance and Distribution of Ringed Seals (*Phoca hispida*) of the Alaskan Beaufort Sea. *Marine Mammal Science* 21:217-242.
- Mudder and Botz. 2000. (Mudder, T. I., and M. Botz. 2000.) A global perspective of cyanide. *Minerals Resources Forum*. United Nations Environment Programme.
- Muench and Schumacher. 1980. (Muench, R. D., and J. D. Schumacher. 1980.) Physical Oceanographic and Meteorological Conditions in the Northwest Gulf of Alaska. National Oceanic and Atmospheric Administration Technical Memorandum ERL PMEL-22. Seattle, WA: Pacific Marine Environmental Laboratory. October.
- Mulherin et al. 2001. (Mulherin, N. D., W. B. Tucker III, O. P. Smith, and W. J. Lee. 2001.) Marine Ice Atlas for Cook Inlet, Alaska (No. ERDC/CRREL-TR-01-10). Hanover, NH: Engineer Research and Development Center, Cold Regions Research and Engineering Lab.
- Murphy et al. 1998. (Murphy, M. L., R. A. Heintz, J. W. Short, M. L. Larsen, and S. D. Rice. 1998.) Recovery of pink salmon spawning areas after the Exxon Valdez oil spill. — Exxon Valdez Oil Spill restoration Project Final Report (Restoration Project 97194), U. S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries, Service, Auke Bay Laboratory, Juneau, Alaska.
- Muslow and Reichmuth. 2010. (Muslow, J., and C. Reichmuth. 2010.) Psychophysical and electrophysiological aerial audiograms of a Stellar sea lion (*Eumetopias jubatus*). *The Journal of the Acoustical Society of America*, 127(4):2692-2701.
- Muto et al. 2019. (Muto, M. M., V. T. Helker, R. P. Angliss, P. L. Boveng, J. M. Breiwick, M. F. Cameron, P. J. Clapham, S. P. Dahle, M. E. Dahlheim, B. S. Fadely, M. C. Ferguson, L. W. Fritz, R. C. Hobbs, Y. V. Ivashchenko, A. S. Kennedy, J. M. London, S. A. Mizroch, R. R. Ream, E. L. Richmond, K. E. W. Shelden,

- K. L. Sweeney, R. G. Towell, P. R. Wade, J. M. Waite, and A. N. Zerbini. 2019). Alaska Marine Mammal Stock Assessments, 2018. NOAA Technical Memorandum NMFS-AFSC-393. June.
- Muto et al. 2018. (Muto, M. M., V. T. Helker, R. P. Angliss, B. A. Allen, P. L. Boveng, J. M. Breiwick, M. F. Cameron, P. J. Clapham, S. P. Dahle, M. E. Dahlheim, B. S. Fadely, M. C. Ferguson, L. W. Fritz, R. C. Hobbs, Y. V. Ivashchenko, A. S. Kennedy, J. M. London, S. A. Mizroch, R. R. Ream, E. L. Richmond, K. E. W. Shelden, R. G. Towell, P. R. Wade, J. M. Waite, and A. N. Zerbini. 2018.) Alaska Marine Mammal Stock Assessments, 2017. US Department of Commerce, National Oceanic and Atmospheric Administration Technical Memorandum NMFS-AFSC-378, 382 pp.
- Muto et al. 2017. (Muto, M. M., V. T. Helker, R. P. Angliss, B. A. Allen, P. L. Boveng, J. M. Breiwick, M. F. Cameron, P. J. Clapham, S. P. Dahle, M. E. Dahlheim, B. S. Fadely, M. C. Ferguson, L. W. Fritz, R. C. Hobbs, Y. V. Ivashchenko, A. S. Kennedy, J. M. London, S. A. Mizroch, R. R. Ream, E. L. Richmond, K. E. W. Shelden, R. G. Towell, P. R. Wade, J. M. Waite, and A. N. Zerbini. 2017.) Alaska marine mammal stock assessments, 2016. US Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-355, 366 pp. doi:10.7289/V5/TM-AFSC-355.
- Myers-Smith et al. 2006. (Myers-Smith, I. H., B. K. Arnesen, R. M. Thompson, and F. S. Chapin III. 2006.) Cumulative impacts on Alaskan Arctic tundra of a quarter century of road dust. *Ecoscience* 13 (4): 503–510.
- Myrbo et al. 2017. (Myrbo, A., E. B. Swain, N. W. Johnson, D. R. Engstrom, J. Pastor, B. Dewey, P. Monson, J. Brenner, M. Dykhuizen Shore, and E. B. Peters. 2017.) Increase in nutrients, mercury, and methylmercury as a consequence of elevated sulfate reduction to sulfide in experimental wetland mesocosms. *Journal of Geophysical Research: Biogeosciences*, 122, 2769-2785.
- NADP (National Atmospheric Deposition Program). 2018 National Trends Network for Data Collected at Denali National Park (site AK03). Available: <http://views.cira.colostate.edu/fed/SiteBrowser/Default.aspx>. Accessed March 2018.
- Nagajyoti et al. 2010. (Nagajyoti, P. C., K. D. Lee, K. D., and T. V. M. Sreekanth. 2010.) Heavy metals, occurrence and toxicity for plants: a review. *Environmental chemistry letters*, 8(3), 199-216.
- Nagorski et al. 2014. (Nagorski, S. A., D. R. Engstrom, J. P. Hudson, D. P. Krabbenhoft, E. Hood, J. F. DeWild, and G. R. Aiken. 2013.) Spatial distribution of mercury in southeastern Alaskan streams influenced by glaciers, wetlands, and salmon. *Environmental Pollution* 184 (2014) 62e72.
- NanaWP and IntecSea 2019a. Memorandum—Cook Inlet Pipeline Design Precautions. Prepared for Pebble Limited Partnership. August 14.
- NanaWP and Intecsea 2019b. BSEE RFI Response—Installation Methodology (RFI 1). Prepared for Pebble Limited Partnership. December 13.
- NanaWP and Intecsea 2019c. BSEE RFI Response—Maintenance Schedule (RFI 2). Prepared for BSEE and Pebble Limited Partnership. December 13.
- National Audubon Society. 2014. Important Bird Areas of Alaska. Ecological Associations. August 20.

- National Audubon Society. 2013a. Important Bird Areas in the US Kamishak Bay. Available: <http://netapp.audubon.org/iba/Reports/4421>. Accessed March 19, 2018.
- National Audubon Society. 2013b. Important Bird Areas in the US: Amakdedulia Cove. Accessed March 19, 2018.
- National Audubon Society. 2013c. Important Bird Areas in the US: Contact Point. Accessed March 19, 2018.
- National Fisherman. 2019. Global market conditions superb for Alaska salmon sales. Accessed July 2019. Available: <https://www.nationalfisherman.com/alaska/global-market-conditions-superb-for-alaska-salmon-sales/>.
- National Park Service. 2019. Map of Brown Bear Minimum Convex Polygon Range in Relation to the Proposed Pebble Mine Site and Infrastructure. September.
- National Weather Service. 2012. National Oceanic and Atmospheric Administration Atlas 14 Volume 7 Version 2.0, Precipitation-Frequency Atlas of the United States, Alaska. Silver Spring, MD: National Oceanic and Atmospheric Administration, National Weather Service.
- Nautilus Environmental. 2012. Pebble Mines Corp Toxicity Testing Program 2011—Gold Plant Process Water and Non-Gold Plant Process Water. Final Toxicity Test Report. April 23.
- Nawrocki et al. 2013. (Nawrocki, T., M. L. Carlson, and J. Fulkerson. 2013.) Alaska rare plant field guide. Alaska Natural Heritage Program, University of Alaska, Anchorage.
- NBLM (Nevada Bureau of Land Management) 2008. Nevada Bureau of Land Management Groundwater Modeling Guidance for Mining Activities. NV-2008-035.
- NCES (National Center for Education Statistics). 2018. Revenues and Expenditures for Public Elementary and Secondary Education: School Year 2014–15 (Fiscal Year 2015). January.
- NDM (Northern Dynasty Minerals). 2013. Northern Dynasty Announces National Economic Impact Study of Alaska's Pebble Project. News Releases. May 30.
- NDM. 2005. Draft Environmental Baseline Studies 2005 Study Plan. June.
- NDM. 2004. Pebble Gold Copper Project, Draft Environmental Baseline Studies Proposed 2004 Study Plan. July.
- Nedwell and Edward 2004. (Nedwell, J. R., and B. Edwards. 2004.) A Review of Measurements of Underwater Man-made Noise Carried Out by Subacoustech Ltd., 1993–2003. Subacoustech Report ref: 534R0109. September.
- NEI (Northern Economics, Inc.). 2018. 2017 Bristol Bay Processor Survey. Prepared for the Bristol Bay Regional Seafood Development Association.
- NEI. 2014. Possible Design and Economic Outcomes of a Permit Buyback Program in the Bristol Bay Salmon Drift Gillnet Fishery. Prepared for the Bristol Bay Regional Seafood Development Association.
- NEI. 2009. The Importance of the Bristol Bay Salmon Fisheries to the Region and its Residents. Prepared for the Bristol Bay Economic Development Association.
- NEI. 2003. An analysis of options to Restructure the Bristol Bay Salmon Fishery. A study commissioned by the Bristol Bay Economic Development Corporation.

- Neilson et al. 2018. (Neilson, J. L., C. M. Gabriele, and L. F. Taylor-Thomas. 2018.) Humpback Whale Monitoring in Glacier Bay and Adjacent Waters 2017. Natural Resource Report NPS/GLBA/NRR – 2018/1660.
- Neilson et al. 2012. (Neilson, J. L., C. M. Gabriele, A. S. Jensen, K. Jackson, and J. M. Straley. 2012.) Summary of reported whale-vessel collisions in Alaskan waters. Journal of Marine Biology, Article ID 106282.
- Neitlich et al. 2017. (Neitlich, P. N., J. M. Ver Hoef, S. D. Berryman, A. Mines, L. H. Geiser, and L. M. Hasselbach. 2017.) Trends in spatial patterns of heavy metal deposition on national park service lands along the Red Dog Mine haul road, Alaska, 2001±2006. PLoS ONE 12 (5): e0177936. Available: <https://doi.org/10.1371/journal.pone.0177936>.
- Nelson and Johnson 1981. (Nelson, G. L., and P. R. Johnson. 1981.) Ground-water Reconnaissance of Part of the Lower Kenai Peninsula, Alaska (No. 81-905). US Geological Survey.
- Nelson et al. (Nelson, W. H., C. Carlson, and J. E. Case. 1983.) Geologic map of the Lake Clark quadrangle, Alaska (No. 1114-A).
- Nemeth et al. 2014. (Nemeth, M. J., G. D. Wade, D. J. Degan, and M. R. Link. 2014.) Sockeye salmon smolt abundance and inriver distribution: results from the Kvichak, Ugashik, and Egegik rivers in Bristol Bay, Alaska, 2013. Report prepared by LGL Alaska Research Associates, Inc., Anchorage, AK, and Aquacoustics, Inc. Sterling, AK, for the Bristol Bay Science and Research Institute, Dillingham, AK.
- Nemeth et al. 2007. (Nemeth, M. J., C. C. Kaplan, A. M. Prevel-Ramos, G. D. Wade, D. M. Savarese, and C. D. Lyons. 2007.) Baseline Studies of Marine Fish and Mammals in Upper Cook Inlet, April through October 2006. Final report prepared by LGL Alaska Research Associates, Inc., Anchorage, AK, for DRven Corporation, Anchorage, AK.
- New Jersey Dept. of Health 2016. Hazardous Substance Fact Sheet: Ammonium Nitrate. February.
- Newcombe and Jensen. 1996. (Newcombe, C. P., and J. O. Jensen. 1996.) Channel suspended sediment and fisheries: a synthesis for quantitative assessment of risk and impact. North American Journal of Fisheries Management 16:693–727.
- Newmark, N. M. 1965. Effects of Earthquakes on Dams and Embankments. Fifth Rankine Lecture. University of Illinois.
- Nickelson et al. 1992. (Nickelson, T. E., J. D. Rodgers, S. L. Johnson, and M. F. Solazzi. 1992.) Seasonal changes in habitat use by juvenile coho salmon (*Oncorhynchus kisutch*) in Oregon coastal streams. Canadian Journal of Fisheries and Aquatic Sciences, 49(4), 783-789.
- NICNAS (National Industrial Chemicals Notification and Assessment Scheme). 2000. Sodium Ethyl Xanthate—Priority Existing Chemical Secondary Notification Assessment Report No. 5S. Commonwealth of Australia. February.
- NID (National Inventory of Dams). 2020. National Inventory of Dams. Accessed at: <https://nid.sec.usace.army.mil/ords/f?p=105:113:13139706052816::NO:::>
- Nikl, Lee. 2018. Mount Polley TSF Breach: Fish Health—Briefing Note. Prepared by Golder. December 10.

- Nikl et al. 2016. (Nikl, L., B.G. Wernick, J. Van Geest, C. Hughes, K. McMahan, and L. Anglin. 2016.) Mount Polley Mine Embankment Breach: Overview of Aquatic Impacts and Rehabilitation. Proceedings Tailings and Mine Waste 2016. October 5.
- Nislow et al. (Nislow, K. H., C. Folt, and M. Seandel. 1998.) Food and foraging behavior in relation to microhabitat use and survival of age-0 Atlantic salmon. Canadian Journal of Fisheries and Aquatic Sciences 55:116-127.
- NLM (National Library of Medicine) 2019a. Bismuth, Elemental. Hazardous Substances Data Bank (HSDB) – TOXNET, Toxicology Data Network. Available: <https://toxnet.nlm.nih.gov/cgi-bin/sis/search/a?dbs+hsdb:@term+@DOCNO+2078>. Accessed January 2019.
- NLM 2019b. Silicon, Elemental. Hazardous Substances Data Bank (HSDB)—TOXNET, Toxicology Data Network. Available: <https://toxnet.nlm.nih.gov/cgi-bin/sis/search/a?dbs+hsdb:@term+@DOCNO+5033>. Accessed January 2019.
- NMFS (National Marine Fisheries Service) 2019. Draft Biological Report for the Proposed Designation of Critical Habitat for the Central America, Mexico, and Western North Pacific Distinct Population Segments of Humpback Whales (*Megaptera novaeangliae*). National Marine Fisheries Service. May.
- NMFS. 2018a. Manual for Optional User Spreadsheet Tool (Version 2.0) for: 2018 Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing (Version 2.0): Underwater Thresholds for Onset of Permanent and Temporary Threshold Shifts. Silver Spring, MD: Office of Protected Resources.
- NMFS. 2018b. 2018 Revisions to: Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing (Version 2.0): Underwater Thresholds for Onset of Permanent and Temporary Threshold Shifts. US Dept. of Commerce, National Oceanic and Atmospheric Administration. National Oceanic and Atmospheric Administration Technical Memorandum NMFS-OPR-59, 167 pp.
- NMFS 2018c. Endangered Species Act (ESA) Section 7(a)(2) Biological Opinion for Furie's Offshore Oil and Gas Exploration Drilling in the Kitchen Lights Unit of Cook Inlet, Alaska, 2017-2021. National Oceanic And Atmospheric Administration. May 8.
- NMFS. 2017a. Endangered Species Act—Section 7 Consultation Biological Opinion. Consultation No. SER-2015-15985. Juneau, AK.
- NMFS. 2017b. Endangered Species Act (ESA) Section 7(a)(2) Biological Opinion. Kodiak Transient Float. NMFS Consultation Number: AKR-2016-9596. Juneau, AK.
- NMFS. 2017c. Endangered Species Act (ESA) Section 7(a)(2) Biological Opinion for Lease Sale 244, Cook Inlet, Alaska 2017-2022. Endangered Species Act Section 7—Biological Opinion: Bureau of Ocean Energy Management (BOEM) and Bureau of Safety and Environmental Enforcement (BSEE). NMFS Consultation Number: AKR-2016-9580. 307 pp.
- NMFS 2017d. Endangered Species Act (ESA) Section 7(a)(2) Biological Opinion for Furie's Offshore Oil and Gas Exploration Drilling in the Kitchen Lights Unit of Cook Inlet, Alaska, 2017-2021. National Oceanic Atmospheric Administration. May 31.
- NMFS. 2016a. Impacts to Essential Fish Habitat from Non-fishing Activities in Alaska. D2 EFH Non-Fishing Effects, NMFS Report. November 21.
- NMFS. 2016b. Recovery Plan for the Cook Inlet Beluga Whale (*Delphinapterus leucas*). Alaska Region, Protected Resources Division, Juneau.

- NMFS. 2015. Environmental Assessment of Issuance of Incidental Harassment Authorization to SAEExploration Inc. for the Take of Marine Mammals Incidental to Seismic Surveys in Cook Inlet, Alaska. Environmental Assessment. US Department of Commerce, National Oceanic and Atmospheric Administration. May 8.
- NMFS. 2013a. Biological Opinion for 3-D Seismic Surveys of Cook Inlet, Alaska by Apache Alaska Corporation. Alaska Region. February 14. Available: http://www.nmfs.noaa.gov/pr/permits/incidental_take_pdfs/apache_revised_biop_final_14feb2013.
- NMFS. 2013b. Occurrence of Western Distinct Population Segment Steller Sea Lions East of 144° W. Longitude. Alaska Region, Juneau. 3 pp.
- NMFS. 2011a. Impacts to Essential Fish Habitat from Non-fishing Activities in Alaska. Alaska Region, Juneau.
- NMFS. 2010. ESA Section 7—Biological Opinion on the Alaska Groundfish Fisheries (p. 472). Juneau, AK.
- NMFS. 2010b. Recovery Plan for the Fin Whale (*Balaenoptera physalus*). Silver Spring, MD. 121 pp.
- NMFS. 2008a. Final Conservation Plan for the Cook Inlet Beluga Whale (*Delphinapterus leucas*). National Marine Fisheries Service, Juneau, AK.
- NMFS. 2008b. Recovery Plan for the Steller Sea Lion (*Eumetopias jubatus*). Revision. Silver Spring, MD. 325 pp.
- NMFS. 2005a. Draft Conservation Plan for the Cook Inlet Beluga Whale. Protected Resource Division, Alaska Region, Juneau. 149 pp.
- NMFS. 2005b. Endangered Species Act (ESA) Section 7 Consultation—Biological Opinion Kensington Gold Project Operations. 166 pp.
- NMFS. 2003. Supplement to the Endangered Species Act Section 7 Consultation—Biological Opinion and Incidental Take Statement of October 2001. June 19.
- NMFS. 1991. Recovery Plan for the Humpback Whale (*Megaptera novaeangliae*). Prepared by the Humpback Whale Recovery Team. Silver Spring, MD. 105 pp.
- NOAA (National Oceanic and Atmospheric Administration). 2020. How Oil Harms Animals and Plants in Marine Environments. Office of Response and Restoration. January 1.
- NOAA. 2019a. How Oil Spills Affect Fish and Whales. Office of Response and Restoration. Available: <https://response.restoration.noaa.gov/oil-and-chemical-spills/oil-spills/how-oil-spills-affect-fish-and-whales.html>. Last revised January 17, 2019.
- NOAA. 2019b. NOAA Tides and Currents. Available: <https://tidesandcurrents.noaa.gov/noaatidepredictions.html?id=9456822>.
- NOAA. 2019c. Climate Data Online. Available: <https://www.ncdc.noaa.gov/cdo-web/>.
- NOAA. 2019d. Small Diesel Spills (500-5,000 gallons). Office and Response and Restoration. August.
- NOAA. 2018b. Essential Fish Habitat—Data Inventory. Available: <https://www.habitat.noaa.gov/protection/efh/newInv/index.html>. Accessed March 2018.
- NOAA. 2018c. United States Coast Pilot 9, Alaska: Cape Spencer to Beaufort Sea. 36th Edition.
- NOAA. 2018d. Fisheries Figures, Boundaries, Regulatory Areas, EFH, and Critical Habitat. Available: <https://alaskafisheries.noaa.gov/maps>. Accessed September 2018.

- NOAA. 2018e. No Tsunami Warning, Advisory, Watch or Threat. US Tsunami Warning Centers. Available: <http://wcatwc.arh.noaa.gov/>. Accessed May 23, 2018.
- NOAA. 2018f. Datums—NOAA Tides & Currents. Available: <https://tidesandcurrents.noaa.gov/datums.html>.
- NOAA. 2018g. FAQs: 2018g Status of Salmon Stocks. National Oceanic and Atmospheric Administration, NOAA Fisheries West Coast Region, https://www.westcoast.fisheries.noaa.gov/fisheries/salmon_steelhead/faqs_2018_status_of_salmon_stocks.html.
- NOAA. 2018h. NOAA Fisheries ShoreZone tool. Available: <https://www.fisheries.noaa.gov/resource/data/shorezone-maps-video-images>. Accessed June 26, 2018.
- NOAA. 2018i. Office of Response and Restoration. Small Diesel Spills (500–5,000 Gallons): Effects on Wildlife and Plants. Available: <https://response.restoration.noaa.gov/oil-and-chemical-spills/oil-spills/resources/small-diesel-spills.html>. Accessed November 19, 2018.
- NOAA. 2017. Alaska: Cape Spencer to Beaufort Sea. United States Coast Pilot 9 2017 (35th Edition). May 27, 2018.
- NOAA. 2015. Alaska—South Coast Cook Inlet Southern Part. Chart 16640. 25th edition, October 2011; last correction October 19, 2015.
- NOAA. 2014b. How Oil Harms Animals and Plants in Marine Environments. Available: <http://response.restoration.noaa.gov/oil-and-chemical-spills/oil-spills/how-oil-harms-animals-and-plants-marine-environments.html>. Accessed July 14, 2014.
- NOAA. 2004. Environmental Sensitivity Index Map for Bristol Bay. ESI-4. Office of Response and Restoration Hazardous Materials Response Division. January.
- NOAA. 2002. Office of Response and Restoration. Environmentally Sensitive Index Summary Maps for Cook Inlet and Kenai Peninsula. Available: <https://response.restoration.noaa.gov/maps-and-spatial-data/download-esi-maps-and-gis-data.html>.
- NOAA. 1997. Kodiak Island and Shelikof Strait, Alaska. Environmentally Sensitive Areas: Fall (September-October), Spring (April-May), Summer (June-August), and Winter (November-March) Maps. Office of Ocean Resources Conservation and Assessment hazardous Materials Response and Assessment Division. August.
- NOAA. n.d. Habitat Blueprint, Habitat Focus Area: Kachemak Bay. Available: <https://www.habitatblueprint.noaa.gov/habitat-focus-areas/kachemak-bay-alaska/>.
- Nobmann et al. 2005. (Nobmann, E. D., R. Ponce, C. Mattil, R. Devereux, B. Dyke, S. O. E. Ebbesson, S. Laston, J. MacCluer, D. Robbins, T. Romenesko, G. Ruotolo, C. R. Wenger, and B. V. Howard. 2005.) Dietary intakes vary with age among Eskimo adults of northwest Alaska in the GOCADAN Study, 2000–2003. *The Journal of Nutrition* 135(4):856–862. Available: <https://doi.org/10.1093/jn/135.4.856>.
- Nokleberg et al. 1994. (Nokleberg, W. J., G. Plafker, and F. H. Wilson. 1994.) *The Geology of North America. Volume G-1, The Geology of Alaska. Chapter 10: Geology of South-Central Alaska.* The Geological Society of America.
- Norris, F. 2002. Alaska Subsistence: A National Park Service Management History. Anchorage: US Department of the Interior, National Park Service, Alaska Support Office. September.
- Northern Economics. 1990. Economic impacts of the SS Glacier Bay oil spill. US Minerals Management Service, Alaska Outer Continental Shelf Region, Anchorage.

- Northrup et al. 2012. (Northrup, J. M., J. Pitt, T. B. Muhly, G. B. Stenhouse, M. Musiani, and M. S. Boyce. 2012.) Vehicle traffic shapes grizzly bear behavior on a multiple-use landscape. *Journal of Applied Ecology* 49:1159–1167.
- Nowacek et al. 2007. (Nowacek, D. P., L. H. Thorne, D. W. Johnston, and P. L. Tyack. 2007.) Responses of cetaceans to anthropogenic noise. *Mammal Review*, 37(2):81-115.
- Nowacek et al. 2004. (Nowacek, D. P., M. P. Johnson, and P. L. Tyack. 2004.) North Atlantic right whales (*Eubalaena glacialis*) ignore ships but respond to alerting stimuli. *Proceedings. Biological sciences* 271:227-231.
- Nozu et al. 2004. (Nozu, A., K. Ichii, and T. Sugano. 2004.). Seismic design of port structures. *Journal of japan association for earthquake engineering*, 4(3), 195-208.
- NPFMC (North Pacific Fishery Management Council). 2018. "Stock Assessment and Fishery Evaluation Report for the Scallop Fishery off Alaska in 2017. March 2018.
- NPS (National Park Service). 2018a. Alaska: Directory of Commercial Visitor Service Providers. Lake Clark National Park and Preserve. Available: <https://www.nps.gov/locations/alaska/services-lake-clark.htm>.
- NPS. 2018b. Alaska Ecoregions: Tundra and Taiga. Available: https://www.nature.nps.gov/air/studies/criticalLoads/Ecoregions/AK_Taiga_Tundra.cfm. Accessed March 2018.
- NPS. 2018c. Visitor Use in Lake Clark. January. Available: <https://irma.nps.gov/DataStore/DownloadFile/598459>.
- NPS. 2018d. Visitor Use in Katmai. January. Available: <https://irma.nps.gov/DataStore/DownloadFile/598458>.
- NPS. 2018e. Annual Park Recreation Visitation (1982–2017), Lake Clark National Park and Preserve and Katmai National Park. Available: [https://irma.nps.gov/Stats/SSRSReports/Park%20Specific%20Reports/Annual%20Park%20Recreation%20Visitation%20\(1904%20-%20Last%20Calendar%20Year\)?Park=LACL](https://irma.nps.gov/Stats/SSRSReports/Park%20Specific%20Reports/Annual%20Park%20Recreation%20Visitation%20(1904%20-%20Last%20Calendar%20Year)?Park=LACL). Accessed December 4, 2018.
- NPS. 2017c. Lake Clark National Park & Preserve: Bear Viewing. Available: <https://www.nps.gov/lacl/planyourvisit/bear-viewing.htm>. Accessed March 24, 2018.
- NPS. 2017d. Lake Clark National Park & Preserve: Birdwatching. Available: <https://www.nps.gov/lacl/planyourvisit/birdwatching.htm>. Last updated September 6, 2017. Accessed March 24, 2018.
- NPS. 2017e. Lake Clark National Park & Preserve: Day Hikes—Lake Clark. Available: <https://www.nps.gov/lacl/planyourvisit/day-hikes.htm>. Last updated November 16, 2017. Accessed March 24, 2018.
- NPS. 2017f. Lake Clark National Park & Preserve: Eating & Sleeping. Available: <https://www.nps.gov/lacl/planyourvisit/eating-sleeping.htm>. Accessed March 24, 2018.
- NPS. 2017g. Sport Hunting. Available: <https://www.nps.gov/lacl/planyourvisit/hunting.htm>. Accessed March 24, 2018.
- NPS. 2017h. Lake Clark National Park & Preserve: Power Boating. Available: <https://www.nps.gov/lacl/planyourvisit/power-boating.htm>. Accessed March 24, 2018.
- NPS. 2015a. Alagnak Wild River Boating webpage. Available: <https://www.nps.gov/alag/planyourvisit/boating.htm>. Last updated April 14, 2015. Accessed March 24, 2018.
- NPS. 2016a. Hunting. Available: <https://www.nps.gov/alag/planyourvisit/hunting.htm>. Accessed March 24, 2018.

- NPS. 2016b. Katmai National Park & Preserve: Backcountry Hiking and Camping. Available: <https://www.nps.gov/katm/planyourvisit/backcountry-hiking-and-camping.htm>. Last updated September 30, 2016. Accessed March 24, 2018.
- NPS. 2016d. Lake Clark National Park & Preserve: Biking. Available: <https://www.nps.gov/lac/planyourvisit/biking.htm>. Last updated November 10, 2016. Accessed March 24, 2018.
- NPS. 2016f. Measuring Lightscapes. Available: <https://www.nps.gov/subjects/nightskies/measuring.htm>. Accessed January 2019.
- NPS. 2016g. Night Sky Monitoring Report Metrics and Glossary of Terms. Available: <https://www.nps.gov/subjects/nightskies/skydata.htm>. Accessed January 2019.
- NPS. 2013b. Night Sky Quality Monitoring Report: Lake Clark National Park and Preserve. Available: <http://www.sierranights.com/nightsky/reports/LACL130405.html>. Accessed January 2019.
- NPS. 2014b. Guide to Evaluating Visual Impact Assessments for Renewable Energy Projects (DOI 10.13140/2.1.3216.5767). Available: https://www.researchgate.net/publication/264977788_Guide_To_Evaluating_Visual_Impact_Assessments_for_Renewable_Energy_Projects?enrichId=rgreq-43ac36e54ce290429a437522cce1b971-XXX&enrichSource=Y292ZXJQYWdIOzI2NDk3Nzc4ODtBUzoxMzM3NjE0NzU4MTMzNzZAMTQwODkwMjYyOTQ1NA%3D%3D&el=1_x_3&_esc=publicationCoverPdf. Accessed October 2018.
- NPS. 2010. Lake Clark National Park and Preserve: Long Range Interpretive Plan. Prepared by the Department of the Interior, National Park Service, Lake Clark National Park and Preserve, Alaska Region and Harpers Ferry Center Interpretive Planning.
- NPS. 2009a. Katmai National Park and Preserve, Aniakchak National Monument and Preserve, Alagnak Wild River Long-Range Interpretive Plan. December.
- NPS. 2009c. Lake Clark National Park and Preserve Foundation Statement. October. Available: <https://www.nps.gov/lac/getinvolved/portfolio-of-management-plans.htm>.
- NPS. 2009d. Katmai National Park and Preserve Foundation Statement. December. Available: https://www.nps.gov/katm/learn/management/upload/KATM_Foundation_Statement_December2009.pdf.
- NPS. 1984. Lake Clark General Management Plan and Environmental Assessment. August.
- NPS. n.d. Katmai National Park Map.
- NPS. n.d.b. Lake Clark National Park and Preserve: Tanalian Trails. Trail map and information.
- NRCS (US Natural Resources Conservation Service). 2019. Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Soil Survey Geographic (SSURGO) Database. Available: <https://sdmdataaccess.sc.egov.usda.gov>. Accessed October 8, 2019.
- NRCS. 2019b. Description of STATSGO2 Database. Available: https://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/survey/geo/?cid=nrcs142p2_053629. Accessed September 11, 2019.
- NRCS. 2018. United States Department of Agriculture Website. Available: <https://www.nrcs.usda.gov/wps/portal/nrcs/site/national/home/>.
- NRCS. 2008. Hydrogeomorphic Wetland Classification System: An Overview and Modification to Better Meet the Needs of the Natural Resources Conservation Service. Technical Note No. 190–8–76. 8 pp.

- NTC (Nondalton Tribal Council). 2018. Agency comments on the Preliminary Draft Environmental Impact Statement.
- Nuka and Pearson (Nuka Research and Planning Group, LLC, and Pearson Consulting, LLC). 2015. Cook Inlet Risk Assessment, Final Report. Revision 1. January 27.
- NWI (National Wetlands Inventory). 2016. Water Regime Restriction Table. January 1.
- NWS (National Weather Service). 2012. NOAA Atlas 14-Point Precipitation Frequency Estimates: AK. Available: https://hdsc.nws.noaa.gov/hdsc/pfds/pfds_map_ak.html.
- O'Hare et al. 2006. (O'Hare, M., A. Baattrup-Pedersen, R. C. Nijboer, K. Szoszkiewicz, and T. Ferreira. 2006.) Macrophyte communities of European streams with altered physical habitat. In *The Ecological Status of European Rivers: Evaluation and Intercalibration of Assessment Methods* (pp. 197-210). Springer, Dordrecht.
- Oakley et al. 2017. (Oakley, J. A., A. T. Williams, and T. Thomas. 2017.) Reactions of harbour porpoise (*Phocoena phocoena*) to vessel traffic in the coastal waters of South West Wales, UK. *Ocean & Coastal Management* 138:158-169.
- Ober, H. K. 2010. Effects of Oil Spills on Marine and Coastal Wildlife. Department of Wildlife Ecology and Conservation, University of Florida. May. Available: <http://www.wec.ufl.edu/Effects%20of%20oil%20spills%20on%20wildlife.pdf>.
- O'Brien et al. 2016. (O'Brien, J. M., S. Beck, S. D. Berrow, M. Andre, M. Van Der Schaar, I. O'Connor, and E. P. McKeown). The Use of Deep Water Berths and the Effect of Noise on Bottlenose Dolphins in the Shannon Estuary cSAC. *Adv Exp Med Biol* 875:775-783.
- ODPHP (Office of Disease Prevention and Health Promotion). 2018. Social Determinants of Health. HealthyPeople 2020. Available: <https://www.healthypeople.gov/2020/topics-objectives/topic/social-determinants-of-health>. Accessed January 2019.
- Ogle and Knight. 1996. (Ogle, R. S., and A. W. Knight. 1996.) Selenium bioaccumulation in aquatic ecosystems: 1. Effects of sulfate on the uptake and toxicity of selenate in *Daphnia magna*. *Arch. Environ. Contam. Toxicol.* 30(2):274-279.
- Ohlberger et al. 2016. (Ohlberger, J., M. D. Scheuerell, and D. E. Schindler. 2016.) Population Coherence and Environmental Impacts across Spatial Scales: a Case Study of Chinook Salmon. Seattle, WA: School of Aquatic and Fishery Sciences, University of Washington, and Fish Ecology Division, Northwest Fisheries Science Center, National Marine Fisheries Service, National Oceanic and Atmospheric Administration.
- Ohlendorf and Heinz. 2011. (Ohlendorf, H. M., and G. H. Heinz. 2011). Selenium in birds. Published in *Environmental Contaminants in Biota: Interpreting Tissue Concentrations*, 2nd edition, ed. W. Nelson Beyer and James P. Meador (Boca Raton: CRC, 2011).
- Ohlendorf et al. 2011. (Ohlendorf, H. M., S. M. Covington, E. R. Byron, E. R., and C. A. Arenal. 2011.). Conducting site-specific assessments of selenium bioaccumulation in aquatic systems. *Integrated environmental assessment and management*, 7(3), 314-324.
- Okocha and Adediji. 2011. (Okocha, R. and O. Adediji. 2011.) Overview of cadmium toxicity in fish. *Journal of Applied Sciences Research*, 7(7), 1195-1207.
- Olefeldt et al. 2016. (Olefeldt, D., S. Goswami, G. Grosse, D. Hayes, G. Hugelius, P. Kuhry, and M. R. Turetsky. 2016.) Circumpolar distribution and carbon storage of thermokarst landscapes. *Nature Communications* 7:13043.

- Olsen, K. 1979. Observed avoidance behaviour in herring in relation to passage of an echo survey vessel. ICES.
- Olsen et al. 1983. (Olsen, K., J. Angel, F. Pettersen, A. Løvik, O. Nakken, and S. C. Venema. 1983.) Observed fish reactions to a surveying vessel with special reference to herring, cod, capelin and polar cod.
- Olson and Putera. 2007. (Olson, T. L., and J. A. Putera. 2007. Refining Monitoring Protocols to Survey Brown Bear Populations in Katmai National Park and Preserve and Lake Clark National Park and Preserve. Alaska Region Natural Resources Technical Report. NPS/AR/NRTR-2007-66. November.
- Ona, E. 1988. Observations of cod reaction to trawling noise. ICES Fisheries Acoustic Science and Technology WG, 20–22 April 1988, Ostend, Belgium.
- Ona and Godø. 1990. (Ona, E., and O. R. Godø. 1990.) Fish reaction to trawling noise: the significance for trawl sampling. -Rapp. P.-v. Riun. Cons. int. Explor. Mer, 189: 159-166.
- Ona and Toresen. 1988. (Ona, E., and R. Toresen. 1988.) Reactions of herring to trawling noise. ICES.
- Ona and Toresen. 1988a. Avoidance reactions of herring to a survey vessel, studied by scanning sonar. ICES C.M. 1988/H:46, 8 pp.
- Orem et al. 2014. (Orem, W., H. C. Fitz, D. Krabbenhoft, M. Tate, C. Gilmour, and M. Shafer. 2014.) Modeling sulfate transport and distribution and methylmercury production associated with Aquifer Storage and Recovery implementation in the Everglades Protection Area. Sustainability Water Quality and Ecology, 3-4, 33–46.
- Orem et al. 2011. (Orem, W., C. Gilmour, D. Axelrad, D. Krabbenhoft, D. Scheidt, P. Kalla, P. McCormick, M. Gabriel, and G. Aiken. 2011.) Sulfur in the South Florida ecosystem: Distribution, sources, biogeochemistry, impacts, and management for restoration. Critical Reviews in Environmental Science and Technology, 41(S1), 249–288.
- Ortega, C. P. 2012. Chapter 2: Effects of Noise Pollution on Birds: A Brief Review of our Knowledge. Ornithological Monographs 74:6–22.
- Oswood et al. 1995. (Oswood, M. W., J. G. Irons, and A. M. Milner. 1995.) River and Stream Ecosystems of Alaska. In River and Stream Ecosystems, eds. C. E. Cushing, K. W. Cummins, and G. W. Minshall, 9–32. New York, NY: Elsevier.
- Ott and Morris. 2008. (Ott, A. G., and W. A. Morris. 2008.) Aquatic Biomonitoring at Red Dog Mine, 2007. National Pollution Discharge Elimination System Alaska Department of Natural Resources, Office of Habitat Management and Permitting. Permit No. AK-003865-2 Technical Report No. 08-02. May.
- Otter Tail Environmental. 2010. Evaluation of the Effects of Potential Increases in Barge Traffic on Juvenile Salmon Stranding in the Kuskokwim River, Alaska.
- Ove Arup & Partners. 2002. Environmental Impact Assessment Report for Shenzhen Western Corridor-Investigation and Planning. Appendix 9B. Bird Collisions with Man-made Structures with Reference to the Proposed Shenzhen Western Corridor. September.
- Owl Ridge. (Owl Ridge Natural Resource Consultants, Inc.). 2020. US Fish and Wildlife Service Biological Assessment – Section 7. Prepared for Pebble Limited Partnership, USACE. May.
- Owl Ridge. 2019a. Restoration Plan. Prepared for Pebble Limited Partnership. June.

- Owl Ridge. 2019b. US Fish and Wildlife Service Biological Assessment—Section 7. Prepared for Pebble Limited Partnership and USACE. December.
- Owl Ridge. 2019c. National Marine Fisheries Service Biological Assessment—Section 7. Prepared for Pebble Limited Partnership and USACE. December.
- Owl Ridge. 2019d. Invasive Species Management Plan. Prepared for Pebble Limited Partnership. August.
- Owl Ridge. 2018. US Fish and Wildlife Service Biological Assessment—Section 7. Prepared for Pebble Limited Partnership and US Army Corps of Engineers. December.
- Owl Ridge. 2018b. National Marine Fisheries Service Biological Assessment—Section 7. Revision v0.0. Prepared for Pebble Limited Partnership and US Army Corps of Engineers. December.
- Owl Ridge. 2018c. Maritime Oil Spill Risk Assessment for the Pebble Project. Memorandum. September 12.
- Owl Ridge. 2014. Cosmopolitan State 2013 Drilling Program, Marine Mammal Monitoring and Mitigation 90-day Report. Prepared for BlueCrest Alaska Operating LLC.
- Owl Ridge et al. 2019. (Owl Ridge Natural Resource Consultants, Inc., R2 Resource Consultants, Inc., Paradox Natural Resources, and GeoEngineers. 2019.) Essential Fish Habitat Assessment. Draft report to US Army Corps of Engineers, Alaska District. January.
- Pace, R. M., III. 2011. Frequency of Whale and Vessel Collisions on the US Eastern Seaboard: Ten Years Prior and Two Years Post Ship Strike Rule. NOAA/NEFSC Reference Document 11-15.
- Palace et al. 2004. (Palace, V. P., J. E. Spallholz, J. Holm, K. Wautier, R. E. Evans, and C. L. Baron. 2004.) Metabolism of selenomethionine by rainbow trout (*Oncorhynchus mykiss*) embryos can generate oxidative stress. *Ecotoxicol Environ Saf.* 58:17-21.
- Palka, D. L. 1993. Estimating Density of Animals When Assumptions of Line-transect Surveys are Violated. Ph.D. dissertation. University of California, Scripps Institute of Oceanography, San Diego. 169 pp.
- Panday et al. 2013. (Panday, Sorab, C. D. Langevin, R. G. Niswonger, Motomu Ibaraki, and J. D. Hughes. 2013.). MODFLOW-USG version 1: An unstructured grid version of MODFLOW for simulating groundwater flow and tightly coupled processes using a control volume finite-difference formulation: US Geological Survey Techniques and Methods, book 6, chap. A45, 66 pp.
- Panigada et al. 2006. (Panigada, S., G. Pesante, M. Zanardelli, F. Capoulade, A. Gannier, and M. T. Weinrich. 2006.) Mediterranean fin whales at risk from fatal ship strikes. *Marine Pollution Bulletin* 52(10):1287–1298. Available: <https://doi.org/10.1016/j.marpolbul.2006.03.014>.
- Papale et al. 2015. (Papale, E., M. Gamba, M. Perez-Gil, M. Vidal Martel and C. Giacomini. 2015.) Dolphins Adjust Species-Specific Frequency Parameters to Compensate for Increasing Background Noise. *PloS one* 10.
- Paquette and Helz. 1997. (Paquette, K. E., and G. R. Helz. 1997.) Inorganic speciation of mercury in sulfidic waters: The importance of zero-valent sulfur. *Environ Sci Technol* 31:2148–2153.

- Paradox (Paradox Natural Resources). 2018a. Summary of 2018 Nearshore Fish Sampling in Iliamna Lake. Report to Pebble Limited Partnership.
- Paradox. 2018b. Summary of 2018 Surveys of Beach Geomorphology in Iliamna Lake. Report to Pebble Limited Partnership.
- Paradox. 2018c. Summary of 2018 Snorkel Surveys in Iliamna Lake. Report to Pebble Limited Partnership.
- Paradox. 2018d. Summary of 2018 Surveys of Adult Sockeye Salmon in Iliamna Lake. Report to Pebble Limited Partnership.
- Paranjape and Hall. 2017. (Paranjape, A. R., and B. D. Hall. 2017.) Recent advances in the study of mercury methylation in aquatic systems. *FACETS*, 2, 85–119.
- Pardieck et al. 2018. (Pardieck, K. L., D. J. Ziolkowski Jr., M. Lutmerding, and M.-A. R. Hudson. 2018.) North American Breeding Bird Survey Dataset 1966–2017, version 2017.0. US Geological Survey, Patuxent Wildlife Research Center. Available: <https://doi.org/10.5066/F76972V8>.
- Parks et al. 2016a. (Parks, S. E., K. Groch, P. Flores, R. Sousa-Lima, and I. R. Urazghildiiev. 2016a.) Humans, Fish, and Whales: How Right Whales Modify Calling Behavior in Response to Shifting Background Noise Conditions. Pages 809-813. *The Effects of Noise on Aquatic Life II*. Springer New York, New York, NY.
- Parks et al. 2016b. (Parks, S. E., D. A. Cusano, A. Bocconcelli, A. S. Friedlaender, and D. N. Wiley. 2016b.) Noise impacts on social sound production by foraging humpback whales. *Proceedings of Meetings on Acoustics* 27:010009.
- Parks et al. 2011. (Parks, S. E., M. Johnson, D. Nowacek, and P. L. Tyack. 2011.) Individual right whales call louder in increased environmental noise. *Biology Letters* 7:33-35.
- Parks et al. 2007. (Parks, S. E., D. R. Ketten, J. T. O'Malley, and J. Arruda. 2007.) Anatomical predictions of hearing in the North Atlantic right whale. *The Anatomical Record* 290:734-744.
- Parr, B. L. 2018. 2013 Alaska Trapper Report: July 1, 2013–June 30, 2014. Wildlife Management Report ADF&G/DWC/WMR-2018-1. Alaska Department of Fish and Game, Division of Wildlife Conservation.
- Patenaude et al. 2002. (Patenaude, N. J., W. J. Richardson, M. A. Smultea, W. R. Koski, G. W. Miller, B. Wursig, and C. R. Greene. 2002.) Aircraft sound and disturbance to bowhead and beluga whales during spring migration in the Alaskan Beaufort Sea. *Marine Mammal Science* 18:309–335.
- Patin, S. A. 1999. Environmental impact of the offshore oil and gas industry (Vol. 1). East Nortport, NY: EcoMonitor Pub.
- Patrick-Iwuanyanwu et al. 2010. (Patrick-Iwuanyanwu, K. C., C. C. Onyemaenu, M. O. Wegwu, and E. O. Ayalogu. 2010.) Products (Kerosene and Petrol) in Wistar Albino Rats. *Research journal of environmental toxicology*, 4(3), 134-140.
- Paustian et al. 1992. (Paustian, S. J., K. Anderson, D. Blanchet, S. Brady, M. Cropley, J. Edgington, J. Fryxell, G. Johnjack, D. Kelliher, M. Kuehn, S. Maki, R. Olson, J. Seesz, and M. Wolanek. 1992.) A channel type users guide for the Tongass National Forest, Southeast Alaska. US Department of Agriculture, Forest Service, Alaska Region 10, Technical Paper 26.

- Pearson et al. 1994. (Pearson, W. H., J. R. Skalski, S. D. Sulkin and C. I. Malme. 1994.) Effects of seismic energy releases on the survival and development of zoeal larvae of dungeness crab (*Cancer magister*). *Marine Environmental Research* 38:93-113.
- Pearson et al. 2006. (Pearson, W. H., J. R. Skalski, K. L. Sobocinski, M. C. Miller, G. E. Johnson, G. D. Williams, J. A. Southard, and R. A. Buchanan. 2006.) A Study of Stranding of Juvenile Salmon Stranding by Ship Wakes Along the Lower Columbia River Using a Before-and-After Design: Before-Phase Results. Prepared by Pacific Northwest National Laboratory for the US Army Corps of Engineers, Portland District, Portland, OR, under a Related Services Agreement with the US Department of Energy. Contract DE-AC05-76RL01830.
- Peninsula Reporting. 2018. Pebble Project Scoping Meeting—Homer, Alaska. Transcript of Proceedings April 11.
- Pentec Environmental/Hart Crowser. 2011a. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 36: Marine Nearshore Habitat, Cook Inlet Drainages. Report to the Pebble Partnership.
- Pentec Environmental/Hart Crowser. 2011b. Pebble Project Environmental Baseline Document 2004 through 2008. January 27.
- Pentec Environmental/Hart Crowser and SLR. 2011. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 34: Oceanography and Marine Water Quality. Cook Inlet Drainages. August 3.
- Perry et al. 1999. (Perry, S. L., D. P. DeMaster, and G. K. Silber. 1999.) The great whales: History and status of six species listed as endangered under the US Endangered Species Act of 1973. *Marine Fisheries Review* 61(1):1–74.
- Person, D. K. 2001. Alexander Archipelago Wolves: Ecology and Population Viability in a Disturbed, Insular Landscape. University of Alaska, Fairbanks.
- Petersen, M. R. 1981. Populations, feeding ecology and molt of Steller's eiders. *The Cooper Ornithological Society. Condor* 83:256–262.
- Peterson et al. 2014. (Peterson, T., T. Karl, J. Kossin, K. Kunkel, J. Lawrimore, J. McMahon, R. Vose, and X. Yin. 2014.) Changes in weather and climate extremes: State of knowledge relevant to air and water quality in the United States. *Journal of the Air and Waste Management Association* 64(2).
- Peterson et al. 2003. (Peterson, C. H., S. D. Rice, J. W. Short, D. Esler, J. L. Bodkin, B. E. Ballachey, and D. B. Irons. 2003.) Long-term ecosystem response to the Exxon Valdez oil spill. *Science* 302(5653):2082–2086.
- Petticrew et al. 2015. (Petticrew, E. L., S. J. Albers, S. A. Baldwin, E. C. Carmack, S. J. Déry, N. Gantner, K. E. Graves, B. Laval, J. Morrison, P. N. Owens, D. T. Selbie, and S. Vagle. 2015.) The impact of a catastrophic mine tailings impoundment spill into one of North America's largest fjord lakes: Quesnel Lake, British Columbia, Canada. *Geophysical Research Letters*, 42(9), 3347-3355.
- Petticrew et al. 2007. (Petticrew, M., S. Cummins, L. Sparks, and A. Findlay. 2007.) Validating health impact assessment: prediction is difficult (especially about the future). *Environmental Impact Assessment Review* 27(1):101–107.
- PHMSA (Pipeline and Hazardous Materials Safety Administration). 2018. Data Statistics Overview. Available: <https://www.phmsa.dot.gov/data-and-statistics/pipeline/data-and-statistics-overview>.

- PHMSA. 2018b. Fact Sheet: Corrosion. US Department of Transportation. September 24.
- PHMSA. 2017. Notice of Proposed Safety Order and Attachment A—Hilcorp Alaska, LLC. March 3.
- Piatt, John (ed.). 2002. Response of Seabirds to Fluctuations in Forage Fish Density. Alaska Science Center. Restoration Project 01163M, Final Report; and Minerals Management Service, Alaska OCS Region OCS Study, MMS 2002-068 Final Report. December.
- Piatt et al. 2020. (Piatt, J. F., J. K. Parrish, H. M. Renner, S. K. Schoen, T. T. Jones, M. L. Arimitsu, K. J. Kuletz, B. Bodenstein, M. Garcia-Reyes, R. S. Duerr, R. M. Corcoran, R. S. A. Kaler, G. J. McChesney, R. T. Golightly, H. A. Coletti, R. M. Suryan, H. K. Burgess, J. Lindsey, K. Lindquist, P. M. Warzybok, J. Jahncke, J. Roletto, and W. J. Sydeman. 2020.) Extreme mortality and reproduction failure of common murres resulting from the northeast Pacific marine heatwave of 2014-2016. PLoS ONE 15(1):e0226087.
- Piatt et al. 2007. (Piatt, J. F., K. J. Kuletz, A. E. Burger, S. A. Hatch, V. L. Friesen, T. P. Birt, M. L. Arimitsu, G. S. Drew, A. M. A. Harding, and K. S. Bixler. 2007.) Status Review of the Marbled Murrelet (*Brachyramphus marmoratus*) in Alaska and British Columbia. US Geological Survey Open-File Report 2006-1387. 258 pp.
- Piatt et al. 2007b. (Piatt, J. F., A. M. A. Harding, M. Shultz, S. G. Speckman, T. I. van Pelt, G. S. Drew, and A. B. Kettle. 2007b.) Seabirds as indicators of marine food supplies: Cairns revisited. Marine Ecological Progress Series. Vol 352: 221-234.
- Pitcher and Calkins. 1981. (Pitcher, K W., and D. G. Calkins. 1981.) Reproductive Biology of Stellar sea lions in the Gulf of Alaska. Journal of Mammalogy, 62(3)599-605.
- Piteau Associates. 2018a. Pebble Project Groundwater Conditions at end of Mining and Post Closure. Project 3832-R01. July.
- Plafker and Kachadoorian. 1966. (Plafker, G., and R. Kachadoorian. 1966.) Geologic Effects of the March 1964 Earthquake and Associated Seismic Sea Waves on Kodiak and Nearby Islands, Alaska. US Government Printing Office.
- Plafker et al. 1994. (Plafker, G., L. M. Gilpin, and J. C. Lahr. 1994.) Neotectonic Map of Alaska. Plate 12. Geology of Alaska. Volume G-1 of the Geology of North America (GNA-G1).
- Plante et al. 2018. (Plante, S., C. Dussault, J. H. Richard, and S. D. Côté. 2018.) Human disturbance effects and cumulative habitat loss in endangered migratory caribou. Biological Conservation 224:129–143.
- Platte and Butler. 1995. (Platte, R. M., and W. I. Butler, Jr. 1995.) Water Bird Abundance and Distribution in the Bristol Bay Region, Alaska. US Fish and Wildlife Service Migratory Bird Management Project. February 1.
- PLP (Pebble Limited Partnership). 2020a. Correspondence: Re: Pebble EIS Definition of Metal Leaching. Personal Communication. January 7.
- PLP. 2020b. Updated Digital Simulation—Compressor Station. January 19.
- PLP. 2020c. Correspondence: Questions Regarding Streamflow Estimates Provided by PLP. AECOM email correspondence, Pebble Limited Partnership. January 13.
- PLP. 2020d. Pebble Project Description. POA-2017-271. Pebble Limited Partnership. May.
- PLP. 2020e. Draft RFI 071c request response by 4/29/20. Email correspondence. May 4.
- PLP 2020f. Pebble Project Department of the Army Application for Permit POA-2017-271. June.

- PLP. 2019a. 01-24-2019 Updated DA Application. January 24.
- PLP. 2019b. Proposal for additional avoidance and minimization of impacts at the Amakdedori port. August 12.
- PLP. 2019c. Follow Up on Call—Sea Bed Impacts and Port Water Treatment. September 10.
- PLP. 2019d. Pebble Project Description—POA-2017-271. Updated December.
- PLP. 2019e. USCG Section 9 Bridge Permit Application—PLP Gibraltar River Bridge. Pebble Limited Partnership, prepared for the US Coast Guard. December 5.
- PLP. 2019f. USCG Section 9 Bridge Permit Application—PLP Newhalen River Bridge. Pebble Limited Partnership, prepared for the US Coast Guard. October 31.
- PLP. 2019g. Monitoring Summary. Pebble Limited Partnership. December.
- PLP. 2019h. 01-08-2020 Updated DOA Permit Application. December.
- PLP. 2018a. Pebble Project Supplemental Environmental Baseline Data Report (2004-2012). Chapter 11: Geochemical Characterization, Bristol Bay Drainages. May 2018.
- PLP. 2018b. Pebble Project Supplemental Environmental Baseline Document (2004–2012). Chapter 15: Fish and Aquatic Invertebrates. May.
- PLP. 2018c. Pebble Project—Response to Request for Information 009. August.
- PLP. 2018d. The Pebble Project Description. December.
- PLP. 2018e. Who Lives There? Pebble Limited Partnership. Available: <https://pebblepartnership.com/people-culture/>. Accessed October 9, 2018.
- PLP. 2018h. Project GIS Update from PLP. November 1.
- PLP. 2018i. Bridge Locations, Potentially Navigable Rivers, Northern Access Alternative and Bridge Locations, Potentially Navigable Rivers, Proposed Project. Submission from PLP to the US Coast Guard, November 21.
- PLP. 2018j. Lined Bulk Tailings Overview. December 18.
- PLP. 2018k. Personal Communication from James Fuego, PLP to Sasha Forland, AECOM. Regarding Clarification on Current Project Description and GIS please respond by 12/26 (UNCLASSIFIED). Email. December 19. Attachments: WES_Material Sites_181219.zip; Updated Reagent Table.doc.
- PLP. 2017. Pebble Project Department of the Army Application for Permit. POA-2017-271. December.
- PLP. 2013a. Pebble Project Supplemental Environmental Baseline Data Report 2004-2012. Chapter 3: Geology and Mineralization, Bristol Bay Drainages. The Pebble Partnership. August.
- PLP. 2011a. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 1: Introduction. Pebble Limited Partnership. September 8.
- Poe and Rogers. 1984. (Poe, P. H., and D. E. Rogers. 1984.) 1984 Newhalen River adult salmon enumeration program. University of Washington, FRI-UW-8415, Seattle, Washington.
- Poetter and Tiernan. 2017. (Poetter, A. D., and A. Tiernan. 2017.) 2016 Kuskokwim Area Management Report. Alaska Department of Fish and Game, Fishery Management Report No. 17-50. Available: <http://www.adfg.alaska.gov/FedAidPDFs/FMR17-50.pdf>.

- Polacheck and Thorpe. 1990. (Polacheck, T., and L. Thorpe. 1990.) The Swimming Direction of Harbor Porpoise in Relationship to a Survey Vessel.
- Polarconsult Alaska Inc. 2013. Knutson Creek Hydroelectric Feasibility Study – Final Report. Prepared for Pedro Bay Village Council. November.
- Pollman et al. 2017. (Pollman, C. D., E. B. Swain, D. Bael, A. Myrbo, P. Monson, and M. Dykhuizen Shore. 2017.) The evolution of sulfide in shallow aquatic ecosystem sediments—An analysis of the roles of sulfate, organic carbon, iron and feedback constraints using structural equation modeling. *Journal of Geophysical Research: Biogeosciences*, 122, 2719–2735.
- Pollock et al. 2004. (Pollock, M. M., G. R. Pess, T. J. Beechie, and D. R. Montgomery. 2004.) The importance of beaver ponds to coho salmon production in the Stillaguamish River basin, Washington, USA. *North American Journal of Fisheries Management*, 24(3), 749-760.
- Popper and Hastings. 2009. (Popper, A. N., and M. C. Hastings. 2009.) The effects of anthropogenic sources of sound on fishes. *Journal of Fish Biology* 75:455-489.
- Popper and Hastings. 2009a. The effects of human-generated sound on fish. *Integrative Zoology*, 4(1), 43-52.
- Popper et al. 2005. (Popper, A. N., M. E. Smith, P. A. Cott, B. W. Hanna, A. O. MacGillivray, M. E. Austin, and D. A. Mann. 2005.) Effects of exposure to seismic airgun use on hearing of three fish species. *The Journal of the Acoustical Society of America* 117:3958-3971.
- Port of Alaska. 2018. Expansion Project Archives. Available: <https://www.portofalaska.com/modernization-project/expansion-archives/>. Accessed April 10, 2018.
- Post et al. 2009. (Post, E., M. C. Forchhammer, M. S. Bret-Harte, T. V. Callaghan, T. R. Christensen, B. Elberling, A. D. Fox, O. Gilg, D. S. Hik, T. T. Høye, R. A. Ims, E. Jeppesen, D. R. Klein, J. Madsen, A. D. McGuire, S. Rysgaard, D. E. Schindler, I. Stirling, M. P. Tamstorf, N. J. C. Tyler, R. van der Wal, J. Welker, P. A. Wookey, N. M. Schmidt, and P. Aastrup. 2009.) Ecological dynamics across the Arctic associated with recent climate change. *science*, 325(5946), 1355-1358.
- Powell and Backensto. 2009. (Powell, A. N., and S. Backensto. 2009.) Common Ravens (*Corvus corax*) Nesting on Alaska's North Slope Oil Fields. Final Report. OCS Study MMS 2009-007. February.
- Power et al. 1999. (Power G., R. Brown, S. Beltaos, and T. Beddow. 1999.) Effects of Hanging Ice Dams on Winter Movements and Swimming Activities of Fish. *Fish Biology* Volume 57, Issue 5, pages 1150-1159.
- Powers and Sigurdsson. 2016. (Powers, B., and D. Sigurdsson. 2016.) Participation, Effort, and Harvest in the Sport Fish Business/Guide Licensing and Logbook Programs, 2014. Alaska Department of Fish and Game, Fishery Data Series No. 16-02. Anchorage.
- Pratt, S. 1989. Exxon disaster failed to curtail salmon harvest. *Chicago Tribune*. Accessed July 2019. Available: <https://www.chicagotribune.com/news/ct-xpm-1989-10-05-8901200604-story.html>.
- PRCI (Pipeline Research Council International) 2019. On-Bottom Stability Software: Version 4.

- Presser and Ohlendorf. 1987. (Presser, T. S. and H. M. Ohlendorf. 1987.) Biogeochemical cycling of selenium in the San Joaquin Valley, California, USA. *Environ. Manage.* 11(6): 804-822.
- Proctor et al. 2018. (Proctor, M. F., B. N. McLellan, G. B. Stenhouse, G. Mowat, C. T. Lamb, and M. Boyce. 2018.) Resource Roads and Grizzly Bears in British Columbia, and Alberta. Canadian Grizzly Bear Management Series, Resource Road Management. Trans-border Grizzly Bear Project. Kaslo, BC. Canada <http://transbordergrizzlybearproject.ca/research/publications.html>.
- Proudman, J. 1953. *Dynamical Oceanography*. Methuen, London, Vol. 409.
- Prucha, Robert H. 2019. Review of Groundwater Impacts in the Proposed Pebble Mine Draft EIS (February 2019) and Evaluation of Potential Impacts on the Coupled Hydrologic System. Integrated Hydro Systems, LLC. June 6.
- Quakenbush et al. 2004. (Quakenbush, L., R. Suydam, T. Obritschkewitsch, and M. Deering. 2004.) Breeding biology of Steller's eiders (*Polysticta stelleri*) near Barrow, Alaska, 1991-99. *Arctic*, 166-182.
- Quinn, T. P. 2018. *The behavior and ecology of Pacific salmon and trout*. University of Washington Press.
- Quinn et al. 2009. (Quinn, T. P., K. Doctor, N. Kendall, and H. B. Rich, Jr. 2009). Diadromy and the life history of sockeye salmon: nature, nurture, and the hand of man. In *Am Fish Soc Symp* (Vol. 69, pp. 23-42). August.
- Quinn et al. 1999. (Quinn, T. P., E. C. Volk, and A. P. Hendry. 1999. Natural otolith microstructure patterns reveal precise homing to natal incubation sites by sockeye salmon (*Oncorhynchus nerka*). *Canadian Journal of Zoology*, 77(5), 766-775.
- R2 (R2 Resource Consultants). 2020. RFI 161 Question 2 and 3 Response. February 18.
- R2. 2020b. RE: RFI 161 Input Daily Hydrology. Prepared for Pebble Limited Partnership. February 18.
- R2. 2019. Response to RFI 149: Fish Habitat Modeling Results for Adult Resident Salmonids by Stream Reach. Prepared for Pebble Limited Partnership. November 21.
- R2. 2019b. Response to RFI 145: WTP Discharge Temperature. 2173.31 November 27.
- R2. 2018. HABSYN Methods Closure Update. 2173.24. September 27.
- R2. and HDR Alaska Inc. 2011. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 40: Freshwater Fish & Aquatic Invertebrates, Cook Inlet Drainages. Report to The Pebble Partnership.
- R2 et al. 2011a. (R2 Resource Consultants, HDR Alaska Inc., EchoFish, Inter-Fluve, and Pacific Hydrologic, Inc. 2011.) Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 15: Fish and Aquatic Invertebrates, Bristol Bay Drainages. Anchorage, AK. August 31.
- Rako Gospić and Picciulin. 2016. (Rako Gospić, N. and M. Picciulin. 2016.) Changes in whistle structure of resident bottlenose dolphins in relation to underwater noise and boat traffic. *Marine Pollution Bulletin* 105:193-198.
- Ralph et al. 1995. (Ralph, C. J., S. Droege, and J. R. Sauer. 1995.) Managing and Monitoring Birds using Point-counts: Standards and Applications. In *Monitoring Bird Populations by*

- Point-counts, eds. C. J. Ralph, J. R. Sauer, and S. Droege, 162–168. US Department of Agriculture, US Forest Service General Technical Report PSW-GTR-149.
- Rankin 2009. Pebble Cu-Au-Mo Porphyry Deposit: Analysis and Structural Interpretation of Geophysical Data. Geointerp Confidential Report 2009/14. Prepared for Pebble Limited Partnership. December.
- Rattner et al. 2008. (Rattner, B. A., J. C. Franson, S. R. Sheffield, C. I. Goddard, N. J. Leonard, D. Stang, and P. J. Wingate. 2008.) Sources and Implications of Lead-based Ammunition and Fishing Tackle to Natural Resources. Wildlife Society Technical Review. Bethesda, MD: The Wildlife Society.
- RAVN. 2018. Personal Correspondence Kelly Isham to Jessica Evans. November 20.
- Read and Stacey. 2009. (Read, J., and P. Stacey. 2009.) Guidelines for Open Pit Slope Design. CSIRO Publishing.
- Recon (Rowland Engineering Consultants). 2019. Pebble Access Road, Multi-span Bridge Construction Techniques. Prepared for Pebble Limited Partnership. December 9.
- Recon 2019b. Road Embankments Constructed from Coarse Shot Rock. Technical Memorandum Prepared for Pebble Limited Partnership. August 27.
- Redlinger et al. 2018. (Redlinger, M., J. Burdick, and L. Gregersen. 2018.) Cook Inlet Natural Gas Availability. March.
- Redwood et al. 2008. (Redwood, D. G., E. D. Ferucci, M. C. Schumacher, J. S. Johnson, A. P. Lanier, L. J. Helzer, L. Tom-Orme, M. A. Murtaugh, and M. L. Slattey. 2008.) Traditional foods and physical activity patterns and associations with cultural factors in a diverse Alaska Native population. *International Journal of Circumpolar Health* 67(4):335–348. Available: 10.3402/ijch.v67i4.18346.
- Reeder and Chiu. 2010. (Reeder, D. B., and C. Chiu. 2010.) Ocean acidification and its impact on ocean noise: Phenomenology and analysis. *The Journal of the Acoustical Society of America* 128, EL137. August 19.
- Regar, D. R. 1980. Archaeological Reconnaissance along the Kamishak Embayment. On file at the Alaska Office of History and Archaeology, Anchorage.
- Reger and Petrik. 1993. (Reger, R. D., and W. A. Petrik. 1993.) Surficial Geology and Late Pleistocene History of the Anchor Point Area, Alaska. Alaska Division of Geological & Geophysical Surveys.
- Regulatory Commission of Alaska. 2018. Drift River. Matter Number P-18-009. June.
- Rehberg, M. 2020. Habitat use of Adult Female Steller Sea Lions in the Endangered Western Distinct Population Segment, 2019-2020. Integrated Ocean Observing System. Animal Telemetry Network. Located here: <https://portal.atn.ioos.us/#metadata/4d58cf9a-3464-4c05-82c9-dfb82051543b/project>. Accessed on April 29, 2020.
- Reichmuth et al. 2013. (Reichmuth, C., M. M. Holt, J. Mulsow, J. M. Sills, and B. L. Southall. 2013.) Comparative assessment of amphibious hearing in pinnipeds. *Journal of Comparative Physiology A* 199:491-507.
- Reid, David. 2019. Additional Analyses of the Fundão Tailings Storage Facility: In Situ State and Triggering Conditions. *Journal of Geotechnical and Geoenvironmental Engineering*, 145(11), 04019088.

- Reimer et al. 2017. (Reimer, J., A. Droghini, A. Fischbach, J. Watson, B. L. Bernard, and A. Poe. 2017.) Assessing the Risk of Non-Native Marine Species in the Bering Sea. NPRB Project 1523. Alaska Center for Conservation Science, University of Alaska Anchorage, AK. 39 pp.
- Reiser and Hilgert 2018. (Reiser, D. W., and P. J. Hilgert. 2018.) A Practitioner's Perspective on the Continuing Technical Merits of PHABSIM. R2 Consultants. June.
- Rember and Trefry. 2005. (Rember, R. D., and J. H. Trefry. 2005.) Sediment and organic carbon focusing in the Shelikof Strait, Alaska. *Marine Geology* 224 (2005):83–101.
- Renner et al. 2017. (Renner, M., K. J. Kuletz, and E. Labunski. 2017.) Seasonality of Seabird Distribution in Lower Cook Inlet. OCS Study BOEM 2017-011. US Department of the Interior, Bureau of Ocean Energy Management, Alaska Outer Continental Shelf Regional Office, Anchorage. 46 pp.
- Rice et al. 2014. (Rice, A. N., J. T. Tielens, B. J. Estabrook, C. A. Muirhead, A. Rahaman, M. Guerra, and C. W. Clark. 2014.) Variation of ocean acoustic environments along the western North Atlantic coast: A case study in context of the right whale migration route. *Ecological Informatics* 21:89-99.
- Rich, H. B. 2006. Effects of climate and density on the distribution, growth, and life history of juvenile sockeye salmon (*Oncorhynchus nerka*) in Iliamna Lake, Alaska (Doctoral dissertation, University of Washington).
- Richardson, W. J. 1990. Acoustic effects of oil production activities on bowhead and white whales visible during spring migration near Pt. Barrow, Alaska, 1989 phase: sound propagation and whale responses to playbacks of continuous drilling noise from an ice platform, as studied in pack ice conditions. United States. Minerals Management Service. Alaska, OCS Region and L.G.L. Limited, Environmental Research Associates, King City, Ontario.
- Richardson and Malme. 1993. (Richardson, W. J., and C. I. Malme. 1993.) Man-Made Noise and Behavioral Responses. In *The Bowhead Whale*, eds. J. J. Burns, J. J. Montague, and C. J. Cowles. Special Publication of The Society for Marine Mammalogy 2, 631-700. Lawrence, KS: The Society for Marine Mammalogy.
- Richardson and Miller. 1997. (Richardson, C. T., and C. K. Miller. 1997.) Recommendations for protecting raptors from human disturbance: a review. *Wildlife Society Bulletin* (1973-2006), 25(3), 634-638.
- Richardson et al. 1995a. (Richardson, W. J., C. R. Greene, C. I. Malme, and D. H. Thomson. 1995a.) *Marine Mammals and Noise*. San Diego, CA: Academic Press, Inc.
- Richardson et al. 1991. (Richardson, W. J., C. R. Greene, W. R. Koski, M. A. Smultea, and G. Cameron. 1991.) Acoustic Effects of Oil Production Activities on Bowhead and White Whales Visible During Spring Migration Near Pt. Barrow, Alaska -- 1990 Phase.
- Rico et al. 2007a. (Rico, M., G. Benito, A. R. Salgueiro, A. Díez-Herrero, and H. G. Pereira. 2008.) Reported tailings dam failures: A review of the European incidents in the worldwide context. *Journal of Hazardous Materials* 152(2):846–852.
- Rico et al. 2007b. (Rico, M., G. Benito, and A. Diez-Herrero, A. 2007.) Floods from tailings dam failures. *Journal of hazardous materials*, 154(1-3), 79-87.
- Riebesell and Tortell. 2011. (Riebesell, U., and P. D. Tortell. 2011.) Effects of Ocean Acidification on Pelagic Organisms and Ecosystems. In: Gattuso, J.-P., and L. Hansson (Eds.), *Ocean acidification*, pp. 99-121. Oxford: Oxford University Press.

- Riedman and Estes. 1990. (Riedman, M., and J. A. Estes. 1990.) The sea otter (*Enhydra lutris*): behavior, ecology, and natural history. Biological Report (USA) No. 90 (14).
- Rieger et al. 1979. (Rieger, S., D. B. Schoephorster, and C. E. Furbush. 1979.) Exploratory Soil Survey of Alaska. US Department of Agriculture, Soil Conservation Service.
- Riehle, M.D., and J.S. Griffith. 1993. Changes in habitat use and feeding chronology of juvenile rainbow trout (*Oncorhynchus mykiss*) in fall and the onset of winter in Silver Creek, Idaho. Canadian Journal of Fisheries and Aquatic Sciences 50:2119-2128.
- Rinella and Bogan. 2007. (Rinella, D. J., and D. L. Bogan. 2007.) Development of Macroinvertebrate and Diatom Biological Assessment Indices for Cook Inlet Basin Streams. Final report. Prepared for Alaska Department of Environmental Conservation, Division of Air and Water Quality, Anchorage.
- Rinella et al. 2018. (Rinella, D., R. Shaftel, and D. Athons. 2018.) "Salmon Resources and Fisheries." In Bristol Bay Alaska: Natural Resources of the Aquatic and Terrestrial Ecosystems, edited by Carol Ann Woody, chapter 18. Plantation, FL: J. Ross Publishing.
- Rinella et al. 2009. (Rinella, M. J., B. D. Maxwell, P. K. Fay, T. Weaver, and R. L. Sheley. 2009.) Control effort exacerbates invasive-species problem. Ecological Applications, 19(1), 155-162.
- Riordan et al. 2006. (Riordan, B., D. Verbyla, and D. A. McGuire. 2006.) Shrinking ponds in subarctic Alaska based on 1950–2002 remotely sensed images. Journal of Geophysical Research 111, G04002, doi:10.1029/2005JG000150.
- Roach et al. 2011. (Roach, J., B. Griffith, D. Verbyla, and J. Jones. 2011.) Mechanisms influencing changes in lake area in Alaskan boreal forest. Global Change Biology 17:2567–2583, doi:10.1111/j.1365-2486.2011.02446.x.
- Robards et al. 1999. (Robards, M. D., J. F. Piatt, A. B. Kettle, and A. A. Abookire. 1999.) Temporal and geographic variation in fish communities of lower Cook Inlet, Alaska. Fishery Bulletin 97(4):962–977.
- Robertson, P.K. 2010. Evaluation of Flow Liquefaction and Liquefied Strength Using the Cone Penetration Test. Journal of Geotechnical and Geoenvironmental Engineering – J. Geotech. Geoenviron. Eng. 136. 10.1061/(ASCE)GT.1943-5606.0000286.
- Robertson et al. 2019. (Robertson, P. K., L.de Melo, D. Williams, and G. W. Wilson. 2019.) Report of the Expert Panel on the Technical Causes of the Failure of Feijao Dam I. December 12.
- Robinette, J. 2015. Assessing the Vulnerability of Western Alaska Ecosystems and Subsistence Resources to Non-native Plant Invasion. Western Alaska Landscape Conservation Cooperative Project WA22011_11.
- Robinson et al. 2018. (Robinson, B. W., L. H. Decicco, J. A. Johnson, and D. R. Ruthrauff. 2018.) Unusual Foraging Observations Associated with Seabird Die-offs in Alaska. Marine Ornithology. 46: 149-153.
- RocScience 2018. RS2 – 2D Finite Element Analysis with Shear Strength Reduction. December 4.
- Rodgers et al. 2007. (Rodgers, A. R., A. P. Carr, H. L. Beyer, L. Smith, and J. G. Kie. 2007.) HRT: Home Range Tools for ArcGIS. Version 1.1. Thunder Bay, ON, Canada: Ontario Ministry of Natural Resources, Centre for Northern Forest Ecosystem Research.

- Rone et al. 2017. (Rone, B. K., A. N. Zerbini, A. B. Douglas, D. W. Weller, and P. J. Clapham. 2017.) Abundance and distribution of cetaceans in the Gulf of Alaska. *Marine Biology* 164:23, doi: dx.doi.org/10.1007/s00227-016-3052-2.
- Rooke, A.C., B. Palm-Flawd, and C.F. Purchase. The Impact of a changing winter climate on the hatch phenology of one of North America's largest Atlantic Salmon populations. *Conservation Biology*, Volume 7. 2019.
- Roon et al. 2016. (Roon, D. A., M. S. Wipfli, T. L. Wurtz, and A. L. Blanchard. 2016.) Invasive European bird cherry (*Prunus padus*) reduces terrestrial prey subsidies to urban Alaskan salmon streams. *Canadian Journal of Fisheries and Aquatic Sciences*, 73(11), 1679-1690.
- Rosenberg, D. 2007. Summary of Steller's Eider Molting Surveys and Capture Efforts in Kamishak Bay, Alaska in 2005 and 2006. January.
- Rosenberg et al. 2016. (Rosenberg, D. H., M. J. Petrula, D. Zwiefelhofer, T. Hollmen, D. D. Hill, and J. L. Schamber. 2016.) Seasonal Movements and Distribution of Pacific Steller's Eiders (*Polysticta stelleri*). Final Wildlife Research Report ADF&G/DWC/WRR-2016-7. Alaska Department of Fish and Game, Division of Wildlife Conservation.
- Rover et al. 2012. (Rover, J., L. Ji, B. K. Wylie, and L. L. Tieszen. 2012.) Establishing water body areal extent trends in interior Alaska from multi-temporal Landsat data. *Remote Sensing Letters* 3:595-604, doi:10.1080/01431161.2011.643507.
- The Royal Society. 2005. Ocean acidification due to increasing atmospheric carbon dioxide. Policy document 12/05. June.
- Rozell, Ned. 2019. The demise of Scotch Cap lighthouse. Anchorage Daily News, December 21.
- Ruggerone et al. 2008. (Ruggerone, G T., S. Goodman, and R. Miner. 2008.) Behavioral Response and Survival of Juvenile Coho Salmon Exposed to Pile Driving Sounds. Port of Seattle, July 2008.
- Ruggerone, G. T. 1992. Chignik salmon studies: Winter ecology of sockeye salmon in the Chignik Lakes, AK.
- Rugh et al. 2010. (Rugh, D. J., K. E. W. Shelden, and R. C. Hobbs. 2010.) Range contraction in a beluga whale population. *Endangered Species Research* 12:69-75.
- Rugh et al. 2007. (Rugh, D. J., K. T. Goetz, J. A. Mocklin, B. A. Mahoney, and B. K. Smith. 2007.) Aerial Surveys of Belugas in Cook Inlet, Alaska, June 2007. Unpublished National Marine Fisheries Service report. 16 pp.
- Rugh et al. 2006. (Rugh, D. J., K. T. Goetz, C. L. Sims, and B. K. Smith. 2006.) Aerial Surveys of Belugas in Cook Inlet, Alaska, August 2006. Unpublished National Marine Fisheries Service report. 9 pp.
- Rugh et al. 2005. (Rugh, D. J., K. E. W. Shelden, C. L. Sims, B. A. Mahoney, B. K. Smith, L. K. Litzky, and R. C. Hobbs. 2005.) Aerial Surveys of Belugas in Cook Inlet, Alaska, June 2001, 2002, 2003, and 2004. National Oceanic and Atmospheric Administration Technical Memorandum. National Marine Fisheries Service, Alaska Fisheries Science Center.
- Rugh et al. 2004. (Rugh, D. J., B. A. Mahoney, and B. K. Smith. 2004.) Aerial Surveys of Beluga Whales in Cook Inlet, Alaska, between June 2001 and June 2002. US Department of Commerce, NOAA Technical Memorandum NMFS-AFSC-149.

- Rugh et al. 2000. (Rugh, D. J., K. E. Shelden, and B. A. Mahoney. 2000.) Distribution of belugas, *Delphinapterus leucas*, in Cook Inlet, Alaska, during June/July 1993–2000. *Marine Fisheries Review* 62(3):6–21.
- Rui et. al. 2011. (Rui, Z., P. A. Metz, D. B. Reynolds, G. Chen, and X. Zhou. 2011.) Historical pipeline construction cost analysis. *International Journal of Oil, Gas and Coal Technology* 4(3):244–263.
- Rumble et al. 2020. (Rumble, J., E. Russ, M. Byerly, and C. Russ. 2020.) Cook Inlet and Prince William Sound area management report for tanner and king crab fisheries through 2019. Alaska Department of Fish & Game, Fishery Management Report No. 20-10. 55 pp.
- Rumble et al. 2016. (Rumble, J., E. Russ, and C. Russ. 2016.) Cook Inlet Area Groundfish Management Report, 2012–2015. Fishery Management Report No. 16-29. Anchorage: Alaska Department of Fish and Game.
- Rumble et al. 2016b (Rumble, J., M. Wessel, R. Russ, K. J. Goldman, P. Shields, and C. Russ. 2016b.) Cook Inlet Area and Prince William Sound Commercial Fisheries for Dungeness Crab, Shrimp, and Miscellaneous Shellfish through 2014. Fishery Management Report No. 16-24. Anchorage: Alaska Department of Fish and Game.
- Rumble et al. 2014. (Rumble, J., M. Wessel, E. Russ, K. J. Goldman, R. L. Gustafson, and C. Russ. 2014.) Cook Inlet and Prince William Sound Area Management Report for Tanner and king crab fisheries through 2013. 2014. Alaska Department of Fish and Game, Fishery Management Report No. 14-08, Anchorage.
- Russell et al. 2017. (Russell, C. W., J. Botz, S. Haught, and S. Moffitt. 2017.) 2016 Prince William Sound area finfish management report. Alaska Department of Fish and Game, Fishery Management Report No. 17-37, Anchorage.
<http://www.adfg.alaska.gov/FedAidPDFs/FMR17-37.pdf>.
- Ruthrauff et al. 2013. (Ruthrauff, D. R., R. E. Gill Jr., and T. L. Tibbitts. 2013.) Coping with the cold: an ecological context for the abundance and distribution of rock sandpipers during winter in upper Cook Inlet, Alaska. *Arctic* 66(3):269–278.
- Ruthrauff et al. 2007. (Ruthrauff, D. R., T. L. Tibbitts, R. E. Gill Jr., and C. M. Handel. 2007.) Inventory of Montane-nesting Birds in Katmai and Lake Clark National Parks and Preserves. Unpublished final report for National Park Service. US Geological Survey, Alaska Science Center, Anchorage. June.
- Sadrekarami, A. 2014. Effect of the mode of shear on static liquefaction analysis. *Journal of Geotechnical and Geoenvironmental Engineering*, 140(12), 04014069.
- Saiki and Lowe. 1987. (Saiki, M. K., and T. P. Lowe. 1987.) Selenium in aquatic organisms from subsurface agricultural drainage water, San Joaquin Valley, California (USA). *Arch. Environ. Contam. Toxicol.* 16(6): 657-670.
- Sairanen, E. E. 2014. Weather and ship induced sounds and the effect of shipping on harbor porpoise (*Phocoena phocoena*) activity. M.Sc. Thesis, University of Helsinki. 67 pp.
- Salden, D. R. 1993. Effects of Research Boat Approaches on Humpback Whale Behavior off Maui, Hawaii, 1989–1993. Page 94. Tenth Biennial Conference on the Biology of Marine Mammals, Galveston, TX.
- Sandy and Blodgett. 2000. (Sandy, M. R., and R. B. Blodgett. 2000.) Early Jurassic Spiriferid brachiopods from Alaska and their paleogeographic significance. *Geobios* 33(3):319-328.

- Sanzone et al. 2016. (Sanzone, D. M., N. Vinhaeiro, and J. Neff. 2016.) Environmental fates and effects of ocean discharge of drill cuttings and associated drilling fluids from offshore oil and gas operations. IOGP report, 543.
- Saupe et al. 2005. (Saupe, S. M., J. Gendron, and D. Dasher. 2005.) The Condition of Southcentral Alaska Coastal Bays and Estuaries. A Statistical Summary for the National Coastal Assessment Program, Alaska Department of Environmental Conservation. March 15, 2006.
- Sawicka et al. 2012. (Sawicka, J. E., B. B. Jørgensen, and V. Bruchert. 2012.) Temperature characteristics of bacterial sulfate reduction in continental shelf and slope sediments. *Biogeosciences*, 9, 3425–3435.
- SBS (Silver Bay Seafoods). 2018. Our Facilities: Naknek. Available: <https://www.silverbayseafoods.com/>. Accessed October 2018.
- Scheifele et al. 2005. (Scheifele, P. M., S. Andrew, R. A. Cooper, M. Darre, F. E. Musiek, and L. Max. 2005.) Indication of a Lombard vocal response in the St. Lawrence River beluga. *The Journal of the Acoustical Society of America*, 117, 1486.
- Scheuerell and Schindler. 2003. (Scheuerell, M. D., and D. E. Schindler. 2003.) Diel vertical migration by juvenile sockeye salmon: empirical evidence for the antipredation window. *Ecology*, 84(7), 1713-1720.
- Scheuhammer et al. 2007. (Scheuhammer, A. M., M. W. Meyer, M. B. Sandheinrich, and M. W. Murray. 2007.) Effects of environmental methylmercury on the health of wild birds, mammals, and fish. *A Journal of the Human Environment*. 36: 12-19.
- Schiedek et al. 2007. (Schiedek, D., B. Sundelin, J. W. Readman, and R. W. Macdonald.) Interactions between climate change and contaminants. *Mar Pollut Bull.* 2007 Dec; 54(12):1845-56. doi: 10.1016/j.marpolbul.2007.09.020. Epub 2007. October 25.
- Schindler et al. 2010. (Schindler, D. E., R. Hilborn, B. Chasco, C. P. Boatright, T. P. Quinn, L. A. Rogers, and M. S. Webster. 2010.) Population diversity and the portfolio effect in an exploited species. *Nature* 465(7298):609.
- Schlumberger Water Services (Schlumberger). 2015a. Pebble Project Supplemental Environmental Baseline Document 2004 through 2012. Chapter 8: Groundwater Hydrology, Bristol Bay Drainages. Report to The Pebble Partnership. March.
- Schlumberger. 2015b. Pebble Project Supplemental Environmental Baseline Document 2004–2012. Section 9.2: Groundwater Quality.
- Schlumberger. 2011a. Pebble Project Environmental Baseline Data Report 2004–2008. Chapter 8: Groundwater Hydrology. Bristol Bay Drainages. June.
- Schlumberger et al. 2011a. (Schlumberger Water Services, Piteau Associates, SLR Alaska Inc., Bristol Environmental and Engineering Services, and HDR Alaska Inc. 2011a.) Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 9: Water Quality.
- Schoen et al. 2017. (Schoen, E. R., M. S. Wipfli, E. J. Trammell, D. J. Rinella, A. L. Floyd, J. Grunblatt, M. D. McCarthy, B. E. Meyer, J. M. Morton, J. E. Powell, A. Prakash, M. N. Reimer, S. L. Stuefer, H. Toniolo, B. M. Wells, and F. D. W. Witmer. 2017.) Future of Pacific salmon in the face of environmental change: lessons from one of the world's remaining productive salmon regions. *Fisheries* 42:538–553. doi:10.1080/03632415.2017.1374251.

- Schoen and Beier. 1990. (Schoen, J., and L. Beier. 1990.) Brown Bear Habitat Preferences and Brown Bear Logging and Mining Relationships in Southeast Alaska. Alaska Department of Fish and Game Division of Wildlife Conservation, Federal Aid in Wildlife Restoration Research Final Report. Study 4.17. June.
- Scholz et al. 2010. (Scholz, N., D. Baldwin, J. McIntyre, J. Sandahl, J. Meador, D. Beauchamp, J. Jenkins, T. Linbo, J. Incardona, and T. Collier. 2010.) Impacts of Copper on the Sensory Biology and Behavior of Salmon. NOAA; NWFSC; Northwest Fisheries Science Center; Feb 9, 2010 presentation at AFF.
- Schrader and Hennon. 2005. (Schrader, B., and P. Hennon. 2005.) Assessment of Invasive Species in Alaska and its National Forests.
- Schwanke, C. J. 2007. Koktuli River Fish Distribution Assessment. Fishery Data Series No. 07-78. Anchorage: Alaska Department of Fish and Game.
- Schwartz et al. 2004. (Schwartz, J. A., B. M. Aldridge, B. L. Lasley, P. W. Snyder, J. L. Stott, and F. C. Mohr. 2004.) Chronic fuel oil toxicity in American mink (*Mustela vison*): systemic and hematological effects of ingestion of a low-concentration of Bunker C fuel oil. *Toxicology and Applied Pharmacology* 200(2):146–158.
- Schwartz et al. 2012. (Schwartz, D. P., P. J. Haeussler, G. G. Seitz, and T. E. Dawson. 2012.) Why the 2002 Denali fault rupture propagated onto the Totschunda fault: Implications for fault branching and seismic hazards. *Journal of Geophysical Research: Solid Earth*, 117(B11).
- Schwemmer et al. 2011. (Schwemmer, P., B. Mendel, N. Sonntag, V. Dierschke, and S. Garthe. 2011.) Effects of ship traffic on seabirds in offshore waters: implications for marine conservation and spatial planning. *Ecological Applications* 21:1851–1860.
- Schwoerer, T. 2017. Invasive Elodea Threatens Remote Ecosystem Services in Alaska: A spatially-explicit Bioeconomic Risk Analysis. PhD Dissertation. University of Alaska. 192 pp.
- Science Applications, Inc. 1977. Environmental Assessment of the Alaskan Continental Shelf. Prepared for National Oceanic and Atmospheric Administration. December. 174 pp.
- Scuero et al. 2017a. (Scuero, A., G. Lilliu, M. Scarella, and G. Vaschetti. 2017a.) Hardfill dams and geomembrane facings. Carpi Tech.
- Scuero et al. 2017b. (Scuero, A., G. Vaschetti, J. Machado do Vale, and M. Contijo. 2017b.) Geomembranes to Increase Safety in Tailings Dams. Brazilian Committee on Dams II Seminar on Risk Management and Safety of Tailings Dams- Sgbr Belo Horizonte. May 16.
- Scuero et al. 2017c. (Scuero, A., G. Vaschetti, and M. Bacchelli. 2017c.) The Use of Geomembranes in Dams. Long-Term Behaviour and Environmentally Friendly Rehabilitation Technologies of Dams.
- Seeger, Riley Martin. 2015. Determinates of Bristol Bay sockeye demand and ex-vessel price implications based on key market-clearing factors. *SS-AAEA Journal of Agricultural Economics*.
- Sellers et al. 1993. (Sellers, R. A., S. D. Miller, T. S. Smith, and R. Potts. 1993.) Population dynamics and habitat partitioning of a naturally regulated brown bear population on the coast of Katmai National Park. 1993 Annual Progress Report. Alaska Dep. Fish and Game, Juneau. 35 pp.

- Seppelt et al. 2008. (Seppelt, R. D., G. A. Laursen, and R. W. Lichvar. 2008.) A guide to Alaskan black spruce wetland bryophytes: Species specific to delineation for Interior and South Central regions (No. ERDC/CRREL-TN-08-2). Engineering Research and Development Center, Hanover NH Cold Regions Research and Engineering Lab.
- SFS 2009. 2008 Underwater Noise Survey During Construction Pile Driving. Prepared for USDOT, Port of Anchorage, and Integrated Concepts and Research Corporation. January.
- Shacklette et al. 1969). (Shacklette, H. T., L. W. Durrell, J. A. Erdman, J. R. Keith, W. M. Klein, H. Krog, H. Persson, H. Skuja, and W. A. Weber. 1969.) Vegetation of Amchitka Island, Aleutian Islands, Alaska. Geological Survey Professional Paper 648. Washington, DC: US Government Printing Office.
- Shandro et al. 2017. (Shandro, J., L. Jokinen, A. Stockwell, F. Mazzei, and M. S. Winkler. 2017.) Risks and Impacts to First Nation Health and the Mount Polley Mine Tailings Dam Failure. *International Journal of Indigenous Health* 12(2):84-99.
- Shanley and Pyare. 2011. (Shanley, C. S., and S. Pyare. 2011.) Evaluating the road-effect zone on wildlife distribution in a rural landscape. *Ecosphere* 2, Issue 2.
- Shannon et al. 2016. (Shannon, G., M. F. McKenna, L. M. Angeloni, K. R. Crooks, K. M. Fristrup, E. Brown, K. A. Warner, M. D. Nelson, C. White, J. Briggs., S. McFarland, and G. Wittemyer. 2016.) A synthesis of two decades of research documenting the effects of noise on wildlife. *Biological Reviews* 91:986–1005.
- Sharma et al. 2009. (Sharma, S., S. Couturier, and S. D. Cote. 2009.) Impacts of climate change on the seasonal distribution of migratory caribou. *Global Change Biology* 15(10):2549–2562.
- Sharma and Burrell. 1970. (Sharma, G. D., and D. C. Burrell. 1970.) Sedimentary environment and sediments of Cook Inlet, Alaska. *AAPG Bulletin* 54(4):647–654.
- Shaw Alaska 2011b. Pebble Project Environmental Baseline Document 2004 through 2008 Appendix G. Quality Assurance Project Plans. February 25th.
- Shedd et al. 2016 (Shedd, K. R., T. H. Dann, H. A. Hoyt, M. B. Foster, and C. Habicht. 2016). Genetic baseline of North American sockeye salmon for mixed stock analyses of Kodiak Management Area commercial fisheries, 2014–2016. Alaska Department of Fish and Game, Fishery Manuscript Series No. 16-03, Anchorage.
- Shelden and Wade. 2019. (Shelden, K. E. W., and P. R. Wade [editors]. 2019.) Aerial surveys, distribution, abundance, and trend of belugas (*Delphinapterus leucas*) in Cook Inlet, Alaska, June 2018. AFSC Processed Rep. 2019-09, 93 pp. Alaska Fish. Sci. Cent., NOAA, Natl. Mar. Fish. Serv., 7600 Sand Point Way NE, Seattle WA 98115.
- Shelden et al. 2017. (Shelden, K. E. W., R. C. Hobbs, C. L. Sims, L. V. Brattström, J. A. Mocklin, C. Boyd, and B. A. Mahoney. 2017.) Aerial Surveys, Abundance, and Distribution of Beluga Whales (*Delphinapterus leucas*) in Cook Inlet, Alaska, June 2016. AFSC Processed Report 2017-09, 62 pp. Seattle, WA: Alaska Fisheries Science Center, National Oceanic and Atmospheric Administration, National Marine Fisheries Service.
- Shelden et al. 2016. (Shelden, K., K. Goetz, D. G. Rugh, D. Calkins, B. Mahoney, and R. Hobbs. 2016.) Spatio temporal changes in beluga whale, *Delphinapterus leucas*, distribution: Results from aerial surveys (1977–2014), opportunistic sightings (1975–2014), and satellite tagging (1999–2003) in Cook Inlet, Alaska. *Marine Fisheries Review* 77:1–31. 10.7755/MFR.77.2.1.

- Shelden et al. 2015. (Shelden, K. E. W., C. L. Sims, L. Vate Brattström, K. T. Goetz, and R. C. Hobbs. 2015.) Aerial Surveys of Beluga Whales (*Delphinapterus leucas*) in Cook Inlet, Alaska, June 2014. AFSC Processed Rep. 2015-03, 55 pp. Seattle, WA: Alaska Fisheries Science Center, National Oceanic and Atmospheric Administration, National Marine Fisheries Service.
- Shelden et al. 2014. (Shelden, K. E. W., B. A. Agler, J. J. Brueggeman, L. A. Cornick, S. G. Speckman, and A. Prevel-Ramos. 2014.) Harbor Porpoise, *Phocoena phocoena vomerina*, in Cook Inlet, Alaska. Marine Fisheries Review. 76(1-2).
- Shelden et al. 2013. (Shelden, K. E. W., D. J. Rugh, K. T. Goetz, C. L. Sims, L. Vate Brattström, J. A. Mocklin, B. A. Mahoney, B. K. Smith, and R. C. Hobbs. 2013.) Aerial Surveys of Beluga Whales, *Delphinapterus leucas*, in Cook Inlet, Alaska, June 2005 to 2012. US Department of Commerce, National Oceanic and Atmospheric Administration Technical Memorandum. NMFS-AFSC-263. 122 pp.
- Sherard and Dunnigan. 1985. (Sherard, J. L., and L. P. Dunnigan. 1985.) Filters and Leakage Control in Embankment Dams. In Seepage and Leakage from Dams and Impoundments, 1–30. ASCE. May.
- Shideler, R. T. 1986. Impacts of Human Developments and Land Use on Caribou: A Literature Review, Volume II: Impacts of Oil and Gas Development on the Central Arctic Herd. Alaska Department of Fish and Game Technical Report No. 86-3. January.
- Shields and Frothingham. 2018. (Shields, P., and A. Frothingham. 2018.) Upper Cook Inlet Commercial Fisheries Annual Management Report, 2017. Fishery Management Report No. 18-10. Anchorage: Alaska Department of Fish and Game.
- Sigurdsson and Powers. 2014. (Sigurdsson, D., and B. Powers. 2014.) Participation, Effort, and Harvest in the Sport Fish Business/Guide Licensing and Logbook Programs, 2013. Fishery Data Series No. 14-23. Anchorage: Alaska Department of Fish and Game.
- Sigurdsson and Powers. 2013. (Sigurdsson, D., and B. Powers. 2013.) Participation, Effort, and Harvest in the Sport Fish Business/Guide Licensing and Logbook Programs, 2012. Fishery Data Series No. 13-37. Anchorage: Alaska Department of Fish and Game.
- Sigurdsson and Powers. 2012. (Sigurdsson, D., and B. Powers. 2012.) Participation, Effort, and Harvest in the Sport Fish Business/Guide Licensing and Logbook Programs, 2011. Fishery Data Series No. 12-27. Anchorage: Alaska Department of Fish and Game.
- Sills et al. 2017. (Sills, J. M., B. L. Southall, and C. Reichmuth. 2017.) The influence of temporally varying noise from seismic air guns on the detection of underwater sounds by seals. The Journal of the Acoustical Society of America 141:996-1008.
- Sills et al. 2014. (Sills, J. M., B. L. Southall, and C. Reichmuth. 2014.) Amphibious hearing in spotted seals (*Phoca largha*): underwater audiograms, aerial audiograms and critical ratio measurements. The Journal of Experimental Biology, 217:726-735.
- Silva et al. 2008. (Silva, F., T. W. Lambe, and W. A. Marr. 2008.) Probability and risk of slope failure. Journal of Geotechnical and Geoenvironmental Engineering, 134(12), 1691-1699.
- Simmons and Wallschläger. 2005. (Simmons, D. B., and D. Wallschläger. 2005.) A critical review of the biogeochemistry and ecotoxicology of selenium in lotic and lentic environments. Environ. Toxic. Chem. 24:1331-1343.

- Simpson Gumpertz & Heger. 2013. Peer Review of Global Stability Analyses of Open Cell Sheet Pile Structures, Port of Anchorage Intermodal Expansion Project, Anchorage AK. August 7.
- Simton, M. 2018. 2M Gallons of Diesel Barged to North Slope for First Time. KTVA. Available: <https://www.ktva.com/story/39042938/2m-gallons-of-diesel-barged-to-north-slope-for-first-time>.
- Skies Magazine 2019. LMH-1 airship "float out" pushed to 2019. Accessed December 10,
- SL Ross et al. 2003. (SL Ross Environmental Research, Alun Lewis Oil Spill Consultancy, Bercha Group, and PCCI. 2003.) Persistence of Crude Oil Spills on Open Water. Minerals Management Service OCS Report 2003-047. 74 pp.
- SLR (SLR International Corporation). 2018. Fuel Oil Spill Trajectory Modeling Report for the Pebble Project. September.
- SLR. 2013a. Pebble Project Supplemental Environmental Baseline Document 2008–2012. Chapter 26: Climate and Meteorology Cook Inlet Drainages. Prepared by Hoefler Consulting Group. August.
- SLR. 2015a. Pebble Project Supplemental Environmental Baseline Data Report 2004–2012. Chapter 2: Climate and Meteorology, Bristol Bay Drainages. Prepared by Hoefler Consulting Group. August 2013 (minor edits March 2015).
- SLR and Pentec Environmental/Hart Crowser. 2011. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 35: Trace Elements and Other Naturally Occurring Constituents.
- SLR et al. 2011a (SLR Alaska, Bristol Environmental, Engineering Services Corporation, and HDR Alaska, Inc. 2011a.) Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 10: Trace Elements and Other Naturally Occurring Constituents, Bristol Bay Drainages. July 1.
- Smith, K. S. 2007. Strategies to predict metal mobility in surficial mining environments. *Reviews in Engineering Geology* 17:25–45.
- Smith, M. C. T. 1991. Wildlife Reconnaissance Assessment, Pebble Copper Project. Draft report to Cominco Alaska Exploration. Anchorage, AK: Terra Nord.
- Smith et al. 2017. (Smith, M. A., M. S. Goldman, E. J. Knight, and J. J. Warrenchuk. 2017.) *Ecological Atlas of the Bering, Chukchi, and Beaufort Seas*. 2nd edition. Anchorage: Audubon Alaska.
- Smith et al. 2012. (Smith, M., N. Walker, C. Free, M. Kirchhoff, and N. Warnock. 2012.) *Marine Important Bird Areas in Alaska, Identifying Globally Significant Sites Using Colony and At-Sea Survey Data*. Audubon Alaska. September.
- Smultea et al. 2008. (Smultea, M. A., J. R. Mobley Jr., D. Fertl, and G. L. Fulling. 2008.) An unusual reaction and other observations of sperm whales near fixed-wing aircraft. *Gulf and Caribbean Research* 20(1):75.
- SNAP (Scenarios Network for Alaska and Arctic Planning). 2019. SNAP Data Portal. Available: <https://www.snap.uaf.edu/tools/data-downloads>. Accessed October 8, 2019.
- SNAP. 2018. SNAP Data Portal. Available: <https://www.snap.uaf.edu/tools/data-downloads>. Accessed August 15, 2018.

- SNAP and EWHALE. 2012. Predicting Future Potential Climate-Biomes for the Yukon, Northwest Territories, and Alaska. Prepared by the Scenarios Network for Arctic Planning and the EWHALE Lab, University of Alaska, Fairbanks. Prepared on behalf of The Nature Conservancy Canada, Government Northwest Territories.
- Sobek, A. A. 1978. Field and Laboratory Methods Applicable to Overburdens and Minesoils. US Environmental Protection Agency, Office of Research and Development, Industrial Environmental Research Laboratory.
- Soderberg and Busch. 1977. (Soderberg, R. L., and R.A. Busch. 1977.) Design guide for metal and nonmetal tailings disposal. Information circular (No. PB-274858; BM-IC-8755). Bureau of Mines, Spokane, Wash.(USA). Spokane Mining Research Center.
- Solomon, F. 2009. Impacts of metals on aquatic ecosystems and human health. January.
- Southall et al. 2019. (Southall, B. J. Finneran, C. Reichmuth, P. Nachtigall, D. Ketten, A. Bowles, W. Ellison, D. Nowacek, and P. Tyack. 2019.) Marine Mammal Noise Exposure Criteria: Updated Scientific Recommendations for Residual Hearing Effects. Aquatic Mammals, 45(2), 125-232. DOI: 10.1578/AM.45.2.2019.125.
- Southall et al. 2007. (Southall, B. L., A. E. Bowles, W. T. Ellison, J. J. Finneran, R. L. Gentry, C. R. Greene, Jr., D. Kastak, D. R. Ketten, J. H. Miller, P. E. Nachtigall, W. J. Richardson, J. A. Thomas, and P. L. Tyack. 2007.) Marine Mammal Noise Exposure Criteria: Initial Scientific Recommendations. Aquatic Mammals, 33(4):411-521.
- Southall et al. 2000. (Southall, B. L., R. J. Schusterman, and D. Kastak. 2000.) Masking in three pinnipeds: Underwater, low-frequency critical ratios. The Journal of the Acoustical Society of America 108:1322-1326.
- Spatt and Miller. 1981. Spatt, P. D., and Miller, M. (1981). Growth conditions and vitality of Sphagnum in a tundra community along the Alaska pipeline haul road. Arctic, 48-54.
- SRBA (Stephen R. Braund & Associates). 2019a. Cultural Resources Summary Report, Pebble Project. Prepared for Pebble Limited Partnership. March 22.
- SRB&A. 2019b. Summary Report of 2019 Cultural Resource Field Activities. Prepared for Pebble Limited Partnership and USACE. September 30.
- SRB&A. 2018. Pebble Project Subsistence Data Review. September 19.
- SRB&A. 2014. Cultural Resources Pebble Project, Cultural Resources Field Survey, 2013 Progress Report. Prepared for the Pebble Limited Partnership. On file at the Alaska Office of History and Archaeology, Anchorage.
- SRB&A. 2015a. Pebble Project Supplemental Environmental Baseline Document 2004–2012. Chapter 22: Cultural Resources.
- SRB&A. 2015b. Pebble Project Supplemental Environmental Baseline Document 2004–2012. Chapter 50: Cultural Resources.
- SRB&A. 2012b. Diamond Point Meteorological Monitoring Station Report. Prepared for Pebble Limited Partnership.
- SRB&A. 2011a. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 22: Cultural Resources.
- SRB&A. 2011b. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 23: Subsistence Uses and Traditional Knowledge.

- SRK (SRK Consulting). 2019a. Pebble Project EIS – Response to RFI 021f. Prepared for Pebble Limited Partnership. September 12.
- SRK. 2019b. Comments from RFI 023. Prepared for Pebble Limited Partnership. October 11.
- SRK. 2019d. The Pebble Project Reclamation and Closure Plan. Prepared for Pebble Limited Partnership. July 25.
- SRK. 2019e. Summary of Update to Geochemical Source Terms Originally Issued in August 2018, Pebble Project. SRK Memo to PLP. October 2.
- SRK. 2018a. Geochemical Source Terms for Water Treatment Planning Pebble Project—Operational Phase. Project No. 1CP016.010. August.
- SRK. 2018b. Independent Technical Report for the Pyramid Copper—Molybdenum Project, Alaska Peninsula, Alaska. Prepared for CopperBank Resources Corporation. January.
- SRK. 2018c. PFS Geotechnical Stability Assessment of the Pebble West Pit. Memorandum. Project No. 2CP018.007. August 9.
- SRK. 2018d. Initial Geochemical Testing of Quarry Rock, Pebble Project. Memorandum. Project No. 1CP016.010. September 12.
- SRK. 2018f. Pebble Project EIS Response to PLP Action Item from Water-Focused Technical Meeting on December 17, 2018. Draft Memorandum. Project No. 1CP016.010. December 24.
- SRK. 2012. Pre-Feasibility Pit Slope (Rock) Design, Progress Report—2nd Draft. Prepared for Pebble Limited Partnership. September.
- SRK. 2011a. Pebble Project Environmental Baseline Document 2004 through 2008. Chapter 11: Geochemical Characterization.
- SRK. 2008. Tectonic Evolution of the Area Around the Pebble Copper-Gold Deposit, Alaska. SRK, prepared for Pebble Limited Partnership. October.
- SRK. 2006. Update on Geochemical Weathering. Mend Report 1.61.6. Prepared for Mine Environment Neutral Drainage Program. October.
- SRSD (Southwest Region School District). 2009. Our Communities. Available: http://www.swrsd.org/home/index.php?option=com_content&view=category&id=66&Itemid=132. Accessed October 16, 2018.
- Stafford. 2007. (Stafford, K. M., D. K. Mellinger, S. E. Moore, and C. G. Fox. 2007.) Seasonal variability and detection range modeling of baleen whale calls in the Gulf of Alaska, 1999–2002. *The Journal of the Acoustical Society of America* 122(6):3378–3390.
- Stagg et al. 2017. (Stagg, C. L., D. R. Schoolmaster, K. W. Krauss, N. Cormier, and W. H. Conner. 2017.) Causal mechanisms of soil organic matter decomposition: Deconstructing salinity and flooding impacts in coastal wetlands. *Ecology*, 98, 2003–2018.
- Stalnaker et al. 1995. (Stalnaker, C. B., B. L. Lamb, J. Henriksen, K. Bovee, and J. Bartholow. 1995.) The Instream Flow Incremental Methodology, a primer for IFIM. National Biological Service, US Department of the Interior. Biological Report 29, March 1995. 45 pp.
- Stanford (Stanford University). 2020. Dam Failures in the U.S. National Performance of Dams Program. Available: <http://npdp.stanford.edu/>. Accessed January 29.

- Stankowich, T. 2008. Ungulate flight responses to human disturbance: a review and meta-analysis. *Biological Conservation* 141(9):2159–2173.
- Stanley, K. W. 1968. Effects of the Alaska Earthquake of March 27, 1964 on Shore Processes and Beach Morphology. Washington, DC: US Government Printing Office.
- SOA (State of Alaska). 2019. SOA Input on Preliminary SOC/Responses for the topic of Bonding or Financial Assurance. Correspondence. June 16.
- SOA. 2017. Community: Bristol Bay Borough. Division of Community and Regional Affairs. Available: <https://www.commerce.alaska.gov/dcra/DCRAExternal/community>.
- SOA. 2014. Exterior Quarantine of Aquatic Invasive Weeds.
- SOA. 2007. State Agency Response to Public Comments on Draft Authorizations for the Fort Knox Mine Heap Leach Project.
- Statista. 2018. US Average Price of Milk per Gallon 1995–2017. The Statistics Portal, Statistics and Studies from more than 22,500 Sources. Available: <https://www.statista.com/statistics/236854/retail-price-of-milk-in-the-united-states/>. Accessed August 2018.
- Status of Women Council of the NWT. 1999. Review of Diavik Diamonds Project Socio-Economic Environmental Effects Report: Impacts on Women and Families. March 5.
- Stehn and Platte. 2000. (Stehn, R., and R. Platte. 2000.) Exposure of Birds to Assumed Oil Spills at the Liberty Project. US Fish and Wildlife Service, Migratory Bird Management. Unpublished report prepared for Minerals Management Service. September 19.
- Steinhart and Wurtsbaugh. 2003. (Steinhart, G. B., and W. A. Wurtsbaugh. 2003.) Winter ecology of kokanee: Implications for salmon management. *Transactions of the American Fisheries Society* 132:1076-1088.
- Steinhart and Wurtsbaugh. 1998. Under-ice diel vertical migrations of *Oncorhynchus nerka* and their zooplankton prey. *Canadian Journal of Fisheries and Aquatic Sciences* 56(Suppl. 1):152-161.
- Stevens and Craw 2004. (Stevens, D. S. P., and P. A. Craw. 2004.) Geologic hazards on and near the northern coast of the Alaska Peninsula. State of Alaska, Department of Natural Resources, Division of Geological and Geophysical Surveys, Miscellaneous Publication, 134, 20.
- Stevens and Craw. 2003. Geologic Hazards in and near the Northern Portion of the Bristol Bay Basin. Alaska Department of Natural Resources.
- Stewart et al. 2004. (Stewart, R. A., S. N. Luoma, C. E. Schlekat, M. A. Doblin, and K. A. Hieb. 2004.) Food web pathway determines how selenium affects aquatic ecosystems: a San Francisco Bay case study. *Environ. Sci. Technol.* 38: 4519-4526.
- Stewart and Knox. 1995. (Stewart, D., and R. Knox. 1995.) What is the Maximum Depth Liquefaction Can Occur? Third International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, Missouri University of Science and Technology. April 2–7.
- Stolen, E. D. 2003. The effects of vehicle passage on foraging behavior of wading birds. *BioOne* 26(4):429–436.
- Stone and Webster Engineering Corp. 1987. Investigation of Landslide-Induced Wave in Bradley Lake. Bradley Lake Hydroelectric Project, Alaska Power Authority. Federal Energy Regulatory Commission Project No. 8221-000. December.

- Stone and Tasker. 2006. (Stone, C. J., and M. L. Tasker. 2006.) The effects of seismic airguns on cetaceans in UK waters. *Journal of Cetacean Research and Management* 8:255-263.
- Stutes, Jason. 2018. 2018 Field Summary. GeoEngineers to Pebble Limited Partnership. October 8.
- Suleimani et al. 2005. (Suleimani, E. N., R. A. Combellick, D. Marriott, R. A. Hansen, A. J. Venturato, and J. C. Newman. 2005.) Tsunami Hazard Maps of the Homer and Seldovia Areas, Alaska. Alaska Division of Geological & Geophysical Surveys, <http://dx.doi.org/10.14509/14474>.
- Surface Transportation Board. 2011. Port MacKenzie Rail Extension Final Environmental Impact Statement. Alaska Railroad Corporation Construction and Operation of a Rail Line Extension to Port MacKenzie, Alaska: 9.0 Noise and Vibration. Surface Transportation Board, Office of Environmental Analysis. Docket No. FD 35095. March 25.
- Suryan and Kuletz. 2018. (Suryan, R.M., and K. J. Kuletz. 2018.) Distribution, Habitat Use, and Conservation of Albatrosses in Alaska. *Iden* 72:156-164.
- Suryan and Harvey. 1999. (Suryan, R., and J. Harvey. 1999.) Variability in Reactions of Pacific Harbor Seals, *Phoca vitulina richardsi*, to Disturbance. *Fishery Bulletin*, 97(2), 332-339.
- Swaigood, J. R. 2003. Embankment Dam Deformations Caused by Earthquakes. 2003 Pacific Conference on Earthquake Engineering. Paper number 014.
- Swales and Levings. 1989. (Swales, S., and C. D. Levings. 1989.) Role of off-channel ponds in the life cycle of coho salmon (*Oncorhynchus kisutch*) and other juvenile salmonids in the Coldwater River, British Columbia. *Canadian Journal of Fisheries and Aquatic Sciences*, 46(2), 232-242.
- SWAMC (Southwest Alaska Municipal Conference). 2018. Dillingham Census Area Regional Profile. Available: <https://swamc.org/regional-profile/dillingham-census-area/>. Accessed January 2019.
- Swank and Gardner. 2004. Swank, C. A., and W. Gardner. 2004. Molybdenosis and Moose at Highland Valley Copper. Collection of the British Columbia Mine Reclamation Symposium. doi: <http://dx.doi.org/10.14288/1.0042450>.
- Szaro, R. C. 1977. Effects of petroleum on birds. In *Transactions of the 42nd North American wildlife and natural resources conference* (pp. 374-381).
- Szarzi et al. 2010. (Szarzi, N. J., C. M. Kerkvliet, B. J. Failor, and M. D. Booz. 2010.) Recreational Fisheries in the Lower Cook Inlet Management Area, 2008–2010, with Updates for 2007. Alaska Department of Fish and Game, Divisions of Sport Fish and Commercial Fisheries. October.
- Tank et al. 2010. (Tank, J. L., E. J. Rosi-Marshall, N. A. Griffiths, S. A. Entrekin, and M. L. Stephen. 2010.) A review of allochthonous organic matter dynamics and metabolism in streams. *Journal of the North American Benthological Society*, 29(1), 118-146.
- Tape et al. 2016. (Tape, K. D., D. D. Gustine, R. W. Ruess, L. G. Adams, and J. A. Clark. 2016.) Range expansion of moose in Arctic Alaska linked to warming and increased shrub habitat. *PLoS ONE* 11(4):e0152636. Available: <https://doi.org/10.1371/journal.pone.0152636>.

- Tape et al. 2012. (Tape, K. D., M. Hallinger, J. M. Welker, and R. W. Ruess. 2012. Landscape Heterogeneity of Shrub Expansion in Arctic Alaska. *Ecosystems* 15: 711–724.
- Tarasco et al. 2019. (Tarasco, M., J. Cardeira, M. N. Viegas, J. Caria, G. Martins, P. J. Gavaia, M. L. Cancela, and V. Laizé. 2019.). Anti-Osteogenic Activity of Cadmium in Zebrafish. *Fishes*, 4(1), 11.
- Tchakalova, B. 2018. Is There Any Liquefaction Potential in the Depth? Bulgarian Academy of Sciences, response to ResearchGate web chatter. March.
- Tennessen and Parks. 2016. (Tennessen, J. B., and S. E. Parks. 2016.) Acoustic propagation modeling indicates vocal compensation in noise improves communication range for North Atlantic right whales. *Endangered Species Research* 30:225-237.
- Terrasond. 2019. Amakdedori Marine Site Detailed Geophysical Survey—Survey Report. Prepared for Alaska Peninsula Corporation. June 24.
- Terry and Murray. 1990. (Beacham, T. D. and C. B. Murray 1990.) Temperature, Egg Size, and Development of Embryos and Alevins of Five Species of Pacific Salmon: A Comparative Analysis, *Transactions of the American Fisheries Society*, 119:6, 927-945, DOI: 10.1577/1548-8659(1990)119<0927:TESADO>2.3.CO;2.
- Tessler, D. 2008. Wildlife Notebook Series: Frogs and Toads-Alaska Department of Fish & Game.
- Tetra Tech, Inc. 2009. Red Dog Mine Extension Aqqaluk Project Final Supplemental Environmental Impact Statement. Volume 1. Prepared for US Environmental Protection Agency. Seattle, WA.
- Therriault et al. (Therriault, T. W., L. M. Herborg, A. Locke, A., and C. W. McKindsey 2008.) Risk assessment for European green crab (*Carcinus maenas*) in Canadian waters. Department of Fisheries and Oceans, Canada; Canadian Science Advisory Secretariat.
- Thoman and Walsh. 2019. (Thoman, R., and J. E. Walsh. 2019.) Alaska's changing environment: documenting Alaska's physical and biological changes through observations. H. R. McFarland, Ed. International Arctic Research Center, University of Alaska Fairbanks.
- Thompson et al. 1986. (Thompson, P. O., W. C. Cummings, and S. J. Ha. 1986.) Sounds, source levels, and associated behavior of humpback whales, Southeast Alaska. *J. Acoust. Soc. Am.* 80, 735–740.
- Thompson et al. 1984. (Thompson, J. R., P. W. Mueller, W. Flückiger, and A. J. Rutter. 1984.) The effect of dust on photosynthesis and its significance for roadside plants. *Environmental Pollution Series A, Ecological and Biological*, 34(2), 171-190.
- Thomson, H. 2008. HIA forecast: cloudy with sunny spells later? *European Journal of Public Health* 18(5):436–438.
- Thurston and Choromanski. 1994. (Thurston, D. K., and D. R. Choromanski.) 1994. Quaternary Geology of Lower Cook Inlet, Alaska. ICAM-94 Proceedings: Regional Terrane.
- Tidau and Briffa. 2016. (Tidau, S. and M. Briffa. 2016.) Review on behavioral impacts of aquatic noise on crustaceans. Pages 010028 Proceedings of Meetings on Acoustics 4ENAL. ASA.
- Tilman, D. 1985. The resource-ratio hypothesis of plant succession. *The American Naturalist*, 125(6), 827-852.

- Timothy, J. 2013. Alaska blasting standard for the proper protection of fish. Alaska Department of Fish and Game, Technical Report No. 13-03, Douglas, Alaska.
- TNR Gold Corp. 2013. Technical Report on the Shotgun Gold Project—Southwest Alaska. Prepared for TNR Gold Corp. May 27.
- Todorova et al. 2009. (Todorova, S. G., C. T. Driscoll, D. A. Matthews, S. W. Effler, M. E. Hines, and E. A. Henry. 2009.) Evidence for regulation of monomethyl mercury by nitrate in a seasonally stratified, eutrophic lake. *Environ Sci Technol* 43:6572–6578.
- Toth, J. 1963. A theoretical analysis of groundwater flow in small drainage basins. *Journal of geophysical research*, 68(16), 4795-4812.
- Tougaard et al. (Tougaard, J., A. J. Wright, and P. T. Madsen. 2016.) Noise Exposure Criteria for Harbor Porpoises. Pages 1167-1173. *The Effects of Noise on Aquatic Life II*. Springer New York, New York, NY.
- Tougaard et al. (Tougaard, J., A. J. Wright, and P. T. Madsen. 2015.) Cetacean noise criteria revisited in the light of proposed exposure limits for harbour porpoises. *Marine Pollution Bulletin* 90:196-208.
- Travel Alaska. 2018. Iliamna. Available: <https://www.travelalaska.com/destinations/communities/iliamna.aspx>. Accessed March 22, 2018.
- TRCA (Toronto and Region Conservation Authority). 2010. Horizontal Directional Drill Guidelines. July.
- Truong et al. 2013. (Truong, H. Y. T., Y. W. Chen, and N. Belzile. 2013.) Effect of sulfide, selenite and mercuric mercury on the growth and methylation capacity of the sulfate reducing bacterium *Desulfovibrio desulfuricans*. *Sci Total Environ* 449:373–384.
- TSB Canada (Transportation Safety Board of Canada). 2018. Marine Transportation Occurrence Data. Available: <http://www.bst-tsb.gc.ca/eng/stats/marine/index-ff.asp>. Date Last modified December 18, 2018. Accessed January 25, 2019.
- Tsujii et al. 2018. Tsujii, K., T. Akamatsu, R. Okamoto, K. Mori, Y. Mitani, and N. Umeda. 2018.) Change in singing behavior of humpback whales caused by shipping noise. *PLoS ONE* 13(10): e0204112. <https://doi.org/10.1371/journal.pone.0204112>.
- Tyack, P. L. 2008. Implications for Marine Mammals of Large-Scale Changes in the Marine Acoustic Environment. *Journal of Mammalogy* 89:549-558.
- Tyack and Janik. 2013. (Tyack, P. L. and V. M. Janik. 2013.) Effects of noise on acoustic signal production in marine mammals. Pages 251-271 *Animal communication and noise*. Springer.
- UBC (University of British Columbia). 2014. The Impact of Resource Extraction on Inuit Women and Families in Qamani'tuaq, Nunavut Territory. A Qualitative Assessment. A Report for the Canadian Women's Foundation. January.
- Uhen and Kwon. 2007. (Uhen, M., and M. Kwon. 2007.) Distribution and migration of whales in the northeastern part of the Pacific Ocean, Bering and Chukchi Seas. *Soviet Research on Marine Mammals*. Original citation: Berzin, A. A., and A. A. Rovnin. 1966. [In Russian.] *Iszv. Tikhookean. Nauchno. Issled. Inst. Ryb. Khoz. Okeanogr.* 58:179–208. Transferred to electronic format and edited by M. Uhen and M. Kwon, Smithsonian Institution.

- Ullrich et al. 2001. (Ullrich, S. M., T. W. Tanton, and S. A. Abdrashitova, S.A.). Mercury in the aquatic environment: A review of factors affecting methylation. *Critical Reviews in Environ Sci Technol* 31:241–293.
- Urawa et al. 2016. (Urawa, S., J. R. Irvine, J. K. Kim, E. C. Volk, A. V. Zavolokin, T. Azumaya, T. D. Beacham, A. Bugaev, E. V. Farley, J. Guyon, S. G. Kim, M. J. Kishi, N. Klovach, M. V. Koval, D. H. Lee, S. Naydenko, D. Oxman, T. Saito, S. Sato, M. Saunders, O. S. Temnykh, A. Tompkins, M. Trudel, V. Volobuev, K. Warheit, and N. Davis. 2016.) Forecasting Pacific salmon production in a changing climate: a review of the 2011–2015 NPAFC science plan. *North Pacific Anadromous Fish Commission Bulletin*, 6, 501-534.
- URS. 2007. Port of Anchorage Marine Terminal Development Project Underwater Noise Survey Test Pile Driving Program Anchorage, Alaska. Prepared for US Department of Transportation Marine Administration, Port of Anchorage, and Integrated Concepts & Research Corporation. December.
- USACE (US Army Corps of Engineers). 2018. Formerly Used Defense Sites (FUDS) per State. As of September 30, 2015. Available: <https://www.usace.army.mil/Missions/Environmental/Formerly-Used-Defense-Sites/>.
- USACE. 2018b. Navigable Waters of Alaska. Alaska District. Available: <https://www.poa.usace.army.mil/Missions/Regulatory/Recognizing-Wetlands/Navigable-Waters/>. Accessed November 9, 2018.
- USACE. 2018d. Donlin Gold Project Final Environmental Impact Statement. April.
- USACE. 2018e. Impacts from USACE regulated activities by Watersheds (Unclassified). Correspondence with Elizabeth Bella and Katie McCafferty. November 21.
- USACE. 2017. Determination to Conduct an EIS Level of Analysis for Department of the Army Permit Application POA-2017-271, Lead Agency Determination, and Scope of Analysis. Memorandum for Record. Department of the Army, Alaska District. December 26.
- USACE. 2015. The Highway Methodology Workbook Supplement. January.
- USACE. 2013. Environmental Assessment and Finding of No Significant Impact—Maintenance Dredging Cook Inlet Navigation Channel, Alaska. Environmental Resources Section Public Notice. Document Identification No. ER-13-02. January 4.
- USACE. 2012. Cottonwood Bay Permit, POA-2008-523. Department of the Army. September.
- USACE. 2012a. Point Thomson Environmental Impact Statement. Available: <https://www.federalregister.gov/documents/2012/07/27/2012-18372/notice-of-availability-of-the-final-environmental-impact-statement-for-the-proposed-point-thomson>.
- USACE. 2011b. POA-2011-188, Williamsport, Alaska. Regulatory Division. September 8.
- USACE. 2010. Rock Quarry Potential Preliminary Investigation- State of Alaska. November.
- USACE. 2009a. Alaska Baseline Erosion Assessment: Erosion Information Paper—Iliamna, Alaska. Alaska District.
- USACE. 2008. Alaska Baseline Erosion Assessment: Erosion Information Paper—Anchor Point, Alaska. Alaska District.
- USACE. 2007a. Alaska Baseline Erosion Assessment: Erosion Information Paper—Kenai, Alaska. Alaska District.

- USACE. 2007b. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Alaska Region (Version 2.0), eds. J. S. Wakeley, R. W. Lichvar, and C. V. Noble. ERDC/EL TR-07-24. Vicksburg, MS: US Army Engineer Research and Development Center.
- USACE. 2004. General Design and Construction Considerations for Earth and Rock-Fill Dams. EM 1110-2-2300. July 30.
- USACE. 2002. Engineering and Design Coastal Engineering Manual. Manual No. 1110-2-1100.
- USACE. 1995. Navigation Channel Feasibility Report and Environmental Assessment: Williamsport. Department of the Army. December.
- USACE. 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1. Vicksburg, MS: US Waterways Experiment Station.
- USACE and BLM. 2019. ASAP Project Joint Record of Decision. March 4.
- USACE and EPA. 2018. Memorandum of Agreement between The Department of the Army and The Environmental Protection Agency Concerning Mitigation Sequence for Wetlands in Alaska under Section 404 of the Clean Water Act.
- USACE and EPA. 2008. Final Rule—Compensatory Mitigation for Losses of Aquatic Resources. 33 CFR Parts 325 and 332; 40 CFR Part 230.
- USCB (US Census Bureau). 2020. US Census, Pedro Bay CDP, Alaska.
- USCB. 2018. US Census Bureau, American Community Survey, ACS 2012–2016. Available: https://factfinder.census.gov/faces/nav/jsf/pages/community_facts.xhtml. Accessed January 2019.
- USCB. 2018a. Anchor Point CDP, Alaska. Available: https://factfinder.census.gov/faces/nav/jsf/pages/community_facts.xhtml#. Accessed May 9, 2018.
- USCB. 2018b. Happy Valley CDP, Alaska.
- USCB. 2018c. Kokhanok CDP, Alaska. Available: https://factfinder.census.gov/faces/nav/jsf/pages/community_facts.xhtml#. Accessed May 9, 2018.
- USCB. 2017. USCB Iliamna CDP, Alaska.
- USCG (US Coast Guard). 2020. Iliamna River Navigability. Email communication with D. Seris, United States Coast Guard.
- USCG. 2018. National Response Center. Available: <http://www.bst-tsb.gc.ca/eng/stats/marine/index-ff.asp>.
- USCG. 2012. Navigable Waters of the United States within the Seventeenth Coast Guard District. Revised March.
- USDA (US Department of Agriculture). 2019. Draft Environmental Impact Statement—Resolution Copper Project and Land Exchange. Forest Service. August 1.
- USDA. 2017. Part 633 Soils Engineering National Engineering Handbook. Chapter 26: Gradation Design of Sand and Gravel Filters. August.
- USDA. 2006. Keys to Soil Taxonomy. Tenth Edition. Natural Resources Conservation Service.
- USDA. 2005. Soil Survey of Western Kenai Peninsula Area, Alaska. Natural Resources Conservation Service.

- USDA. 2004. Sampling and Analysis of Alaska Native Subsistence Foods. US Department of Agriculture, Agricultural Research Service, Nutrient Data Lab, and The Alaska Native Tribal Health Consortium.
- USDA Rural Development. 2019. Grants for Rural and Native Alaskan Villages—Program 101. Accessed November 15.
- USDOI (US Department of the Interior). 2018. Natural Resources Revenue Data, Alaska—Land Ownership.
- USDOI BOEM (US Department of the Interior, Bureau of Ocean Energy Management). 2015. Alaska Outer Continental Shelf: SAExploration, Inc., 3D Cook Inlet 2015 Geological and Geophysical Seismic Survey, Lower Cook Inlet, Alaska. Environmental Assessment. Alaska Outer Continental Shelf Region. February.
- USDOI, MMS (US Department of the Interior, Minerals Management Service). 2003. Alaska Outer Continental Shelf: Cook Inlet Planning Area, Oil and Gas Lease Sales 191 and 199 Final Environmental Impact Statement. OCS EIS/EA MMS 2003-055. Anchorage: Alaska Outer Continental Shelf Region. Available: <http://www.boem.gov/About-BOEM/BOEM-Regions/AlaskaRegion/Environment/Environmental-Analysis/CIsV1.aspx>.
- USEPA (US Environmental Protection Agency). 2016a. Aquatic Life Ambient Water Quality Criteria Cadmium—2016. United States Environmental Protection Agency, Office of Water, Office of Science and Technology, Washington, D.C. EPA 820-R-16-002. March 2016. 721 pp.
- USEPA. 2016b. Aquatic Life Ambient Water Quality Criterion for Selenium – Freshwater. United States Environmental Protection Agency, Office of Water, Office of Science and Technology, Washington, D.C. EPA 822-R-16-006. June 2016. 807 pp.
- USFS (United States Forest Service). 2001. FSH 2090-Aquatic Habitat Management Handbook, R-10 Amendment 2090.21-2001-1. Chapter 20, fish and aquatic habitat stream habitat survey. US Department of Agriculture, Forest Service. 55 pp.
- USFWS (US Fish and Wildlife Service). 2020. Culvert Design Guidelines for Ecological Function. U.S. Fish and Wildlife Service, Alaska Fish Passage Program. Revision 5. February.
- USFWS. 2019. Marine Mammals; Incidental Take During Specified Activities: Cook Inlet, Alaska. A Rule by the Fish and Wildlife Service on 08/01/2019. 84 FR 2; Document Number: 2019-16279. 35 pages. <https://www.federalregister.gov/documents/2019/08/01/2019-16279/marine-mammals-incidental-take-during-specified-activities-cook-inlet-alaska>.
- USFWS. 2017. Biological Opinion on Lease Sale 244 (Consultation 2016-F-0226). May 26.
- USFWS. 2016a. Alaska Maritime National Wildlife Refuge: For the Birds. Available: https://www.fws.gov/refuge/Alaska_Maritime/visit/birders.html. Last updated September 29, 2016. Accessed March 16, 2018.
- USFWS. 2016b. Incidental Take During Specified Activities by BlueCrest Alaska Operating LLC. Proposed Incidental Harassment Authorization for Northern Sea Otters from the Southcentral Stock in Cook Inlet, Alaska. Federal Register Volume 81, Number 93. Available: <https://www.fws.gov/policy/library/2016/2016-11426.html>. Accessed May 13, 2016.

- USFWS. 2016d. Letter Re: POA-2015-529 Quintillion Subsea Project consultation letter from Robert J. Henszey, USFWS to with John Sargent, US Army Corps of Engineers. April 11.
- USFWS. 2015a. US Army Corps of Engineers Consultation on Activities Affecting Sea Otters in Southwest Alaska (Consultation #2013-0016). August 3.
- USFWS. 2015b. Biological Opinion for the Alaska Federal/State Preparedness Plan for Response to Oil & Hazardous Substance Discharges/Releases Consultation with US Coast Guard and Environmental Protection Agency. February 27.
- USFWS. 2014a. Alaska Maritime National Wildlife Refuge: Hunting. Available: https://www.fws.gov/refuge/alaska_maritime/visit/hunting.html. Last updated May 15, 2014. Accessed March 16, 2018.
- USFWS. 2014d. Northern Sea Otter (*Enhydra lutris kenyoni*) Southwest Alaska Stock. Anchorage, AK. Available: http://www.fws.gov/alaska/fisheries/mmm/stock/Revised_April_2014_Southwest_Alaska_Sea_Otter_SAR.pdf.
- USFWS. 2014e. Biological Opinion for Port Heiden and Iliamna GCI Towers (Consultation Number 2014-0122). September 12.
- USFWS. 2014f. Contaminants—Pit Lakes. June 30.
- USFWS. 2013a. Alaska Maritime National Wildlife Refuge: About the Refuge. Available: https://www.fws.gov/refuge/Alaska_Maritime/about.html. Last updated September 17, 2013. Accessed March 24, 2018.
- USFWS. 2013b. Southwest Alaska DPS of the Northern Sea Otter (*Enhydra lutris kenyoni*) 5 Year Review: Summary and Evaluation. Region 7. 18 pp.
- USFWS. 2013c. Southwest Alaska Distinct Population Segment of the Northern Sea Otter (*Enhydra lutris kenyoni*)—Recovery Plan. Region 7. 171 pp.
- USFWS. 2012a. Threatened and Endangered Species Steller's Eider (*Polysticta stelleri*). May.
- USFWS. 2012b. Seabirds: North Pacific Seabird Colony Database. Last updated February 24, 2012. Accessed October 19, 2018, and January 24, 2019.
- USFWS. 2012d. Waterfowl Reports on Expanded Aerial Surveys of Waterfowl in Alaska. Migratory Bird Management Alaska Region. Available: <https://www.fws.gov/alaska/mbsp/mbm/waterfowl/surveys/ebpsare.htm>. Accessed May 7, 2018.
- USFWS. 2012g. Biological Opinion for Diamond Point Granite Rock Quarry. Consultation with US Army Corps of Engineers. Prepared by Anchorage Fish and Wildlife Field Office.
- USFWS. 2012h. Biological Opinion. The Effects of Construction of a New Addition to the Harbor in Sand Point, Alaska, on the Threatened Steller's Eider (*Polysticta stelleri*).
- USFWS. 2011a. Land Protection Plan for Alaska Maritime National Wildlife Refuge. August.
- USFWS. 2011c. Golden Eagles. Status Fact Sheet. February.
- USFWS. 2010. Effects of Oil on Wildlife and Habitat. Fact Sheet. June. Available: <https://www.fws.gov/home/dhoilspill/pdfs/DHJICFWSOilImpactsWildlifeFactSheet.pdf>.
- USFWS. 2009. Summary of existing information pertinent to environmental contaminants and oil spills on breeding Atlantic Coast piping plovers. USFWS. Spec. Proj. Rep. FY09-MEFO-7-EC.

- USFWS. 2008a. Birds of Conservation Concern 2008. Arlington, VA: Division of Migratory Bird Management. 85 pp. Available: <http://www.fws.gov/migratorybirds/>.
- USFWS. 2008b. Kokhanok Wind-Diesel Project (consultation number 2009-0016). December 9.
- USFWS. 2008c. Short-tailed Albatross Recovery Plan. Anchorage, AK, 105 pp.
- USFWS. 2007b. Restoring wildlife habitat on Rat Island environmental assessment. Alaska Maritime National Wildlife Refuge, Aleutian Islands Unit, Alaska.
- USFWS. 2007. Final Biological Opinion on the Effects of the Construction of a Harbor at Little South America—South, Unalaska, Alaska, on the Threatened Steller's Eider (*Polysticta stelleri*). Revised June 6, 2007 (endangered species consultation number 202026).
- USFWS 2007c. National Bald Eagle Management Guidelines. May.
- USFWS. 2005. A Population Plan for Sea Otters in Alaska. 46 pp.
- USFWS. 2004b. Effects of Oil Spills on Wildlife and Habitat. Alaska Region.
- USFWS. 2002. Steller's Eider Recovery Plan. Fairbanks, AK.
- USFWS. 1997. USFWS, State of Indiana, State of Ohio) Joint Environmental Assessment and Restoration Plan for the Fish Creek #2 Diesel Fuel Spill. February 24.
- USGCRP (US Global Change Research Program). 2017. Climate Science Special Report: Fourth National Climate Assessment, Volume I, eds. D. J. Wuebbles, D. W. Fahey, K. A. Hibbard, D. J. Dokken, B. C. Stewart, and T. K. Maycock. Washington, DC. 470 pp., doi: 10.7930/J0J964J6.
- USGS (US Geological Survey). 2020a. Earthquake Catalog. Available: <https://earthquake.usgs.gov/earthquakes/search/>. Accessed February 3, 2020.
- USGS. 2020b. Water Data for the Nation. May 18.
- USGS. 2020c. Copper Data Sheet. Mineral Commodities Summaries. January.
- USGS. 2020d. Gold Data Sheet. Mineral Commodities Summaries. January.
- USGS. 2020e. Molybdenum Data Sheet. Mineral Commodities Summaries. January.
- USGS. 2019. 2016 Minerals Yearbook—Gold. April.
- USGS. 2018a. Earthquake Hazards Program. Available: <https://earthquake.usgs.gov/earthquakes/>.
- USGS. 2018c. Daily Streamflow Conditions. USGS National Water Information System: Web Interface. Available: <https://waterdata.usgs.gov/ak/nwis/rt>.
- USGS. 2018e. Science in Your Watershed. Available: <https://water.usgs.gov/wsc/reg/19.html>. Accessed February 15, 2018.
- USGS. 2018f. Routine United States Mining Seismicity State-by-State List of Mining Regions. Available: <https://earthquake.usgs.gov/data/mineblast/sources.php>.
- USGS. 2016b. Estimating Flood Magnitude and Frequency at Gaged and Ungaged Sites on Streams in Alaska and Conterminous Basins in Canada, Based on Data through Water Year 2012. United States Department of the Interior. Scientific Investigations Report 2016-5024.
- USGS. 2010. Molybdenum—A Key Component of Metal Alloys. Mineral Resources Program. February.

- USGS. 2005. North American Amphibian Monitoring Program Protocol. USGS Patuxent Wildlife Research Center. Available: https://www.usgs.gov/centers/pwrc/science/north-american-amphibian-monitoring-program?qt-science_center_objects=0#qt-science_center_objects.
- USGS. 2005b. Mineral Commodity Profiles—Gold. Open-File Report 02-303.
- USGS. 1999. Hydrologic Units. US Department of the Interior, Information Sheet. February.
- USGS. 1967. Seldovia (D-5) Quadrangle Map. 1:63,360 September 21.
- Vadlamani et al. 2018. (Vadlamani, S. K., C. K. Basuri, and P. R. Yallapragada. 2018.) Comparative study on cadmium accumulation and its toxicity in fish fry of *Labeo rohita* and *Cyprinus carpio*. Journal of Environmental Biology, 39(4), 500-506.
- Valderrama and Anderson. 2010. (Valderrama, Diego, and James Anderson. 2010.) Market interactions between aquaculture and common-property fisheries: Recent evidence from the Bristol Bay sockeye salmon fishery in Alaska. Journal of Environmental Economics and Management. 59. 115-128. 10.1016/j.jeem.2009.12.001.
- Van Breemen, N. 1995. How Sphagnum bogs down other plants. Trends in ecology & evolution, 10(7), 270-275.
- Van Hemert et al. 2020. (Van Hemert, C., S. K. Schoen, R. W. Litaker, M. M. Smith, M. L. Arimitsu, J. F. Piatt, W. C. Holland, D. R. Hardison, and J. M. Pearce. 2020.) Algal toxins in Alaskan seabirds: Evaluating the role of saxitoxin and domoic acid in a large-scale die-off of Common Murres. Harmful Algae 92 (2020) 101730.
- Van Lanen, J. M. 2018. Local Knowledge of the Mulchatna Caribou Herd and Habitat Change in Southwest Alaska. In Alaska Fish & Wildlife News. May.
- Van Lanen, J. 2012. Iliamna Lake Seals Local and Scientific Understanding. In Alaska Fish & Wildlife News. Alaska Department of Fish and Game. May. Available: http://www.adfg.alaska.gov/index.cfm?adfg=wildlifeneews.view_article&articles_id=553. Accessed March 16, 2018.
- Van Lanen et al. 2018. (Van Lanen, J. M., G. Neufeld, and C.R. McDevitt. 2018.) Traditional Ecological Knowledge of the Mulchatna Caribou Herd: Phenology, Habitat Change, Subsistence Use, and Related Species Interactions in Game Management Units 9B-C, 17, 18, and 19A-C, Alaska. Alaska Department of Fish and Game Division of Subsistence, Technical Paper No. 441, Anchorage.
- Van Zyl, D. 2015. UBC Correspondence to the Minister of Energy and Mines 2015. University of British Columbia. August 18.
- Vandenberg et al. 2019. (Vandenberg, J., L.Nikl, B.Wernick, J.Van Geest, A. Bronsro, J. Ogilvie, C. Hughes, K. McMahan, and L. Anglin. 2019.) Mount Polley Mine Embankment Breach: Overview of Aquatic Impacts and Rehabilitation, Presentation. Golder Associates, Mount Polley Mining Corporation, Imperial Metals Corporation. October.
- Vannote et al. 1980. (Vannote, R. L., G. W. Minshall, K. W. Cummins, J. R. Sedell, and C. E. Cushing. 1980. The river continuum concept. Canadian journal of fisheries and aquatic sciences, 37(1), 130-137.
- Vaschetti et al. 2019. (Vaschetti, G., V. Verdel, and A. Scuero. 2019.) Polymeric Geomembranes in New Rockfill Dams: 2 Case Histories. 16h International Symposium on Water Management and Hydraulic Engineering.

- Verbrugge, L. A. 2007. A Risk Management Strategy To Optimize the Public's Health. Department of Health and Social Services State of Alaska.
- Verrier and Kirchner. (Verrier, M., and P. Kirchner. 2016.) Lake Ice Phenology of Southwest Alaska. National Park Service. September 16.
- Vetter, J. 2000. Plant cyanogenic glycosides. *Toxicon*. v. 38, no. 1, pp. 11-36.
- Vick, Steven G. 1990. Planning, design, and analysis of tailings dams. New York: Wiley.
- Viereck et al. 1992. (Viereck, L. A., C. T. Dyrness, A. R. Batten, and K. J. Wenzlick. 1992.) The Alaska Vegetation Classification. US Department of Agriculture, Pacific Northwest Research Station. Technical Report PNW-GTR-286.
- Viereck, E. G. 1995. Alaska's wilderness medicines: Healthful plants of the far north. Graphic Arts Books.
- Vincent-Lang et al. 1984. (Vincent-Lang, D., A. Hoffman, A. E. Bigham, and C. C. Estes. 1984.) Habitat Suitability Criteria for Chinook, Coho, and Pink Salmon Spawning In Tributaries of the Middle Susitna River. Report No. 3, Aquatic Habitat and Instream Flow Investigations (May-October 1983). Chapter 9. Alaska Department of Fish and Game.
- Volpe, R. 1979. Physical and engineering properties of copper tailings. Proceedings of Current Geotechnical Practice in Mine Waste Disposal. Edited by The Committee on Embankment Dams and Slopes of the Geotechnical Engineering Division. American Society of Civil Engineering, New York, 242-260.
- WADEC (Washington Department of Ecology). 2016. Focus on Environmental Harm from Oil Spills. 10-08-001. February.
- Wahrhaftig, C. 1994. Map of Physiographic Divisions of Alaska. Scale 1:2,500,000, 1 sheet. Boulder, CO: Geological Society of America.
- Wahrhaftig, C. 1965. Physiographic Divisions of Alaska. US Geological Survey Professional Paper 482. 52 pp. US Government Printing Office.
- Waitt et al. (Waitt, R. B., J. E. Beget, and J. Kienle. 1996.) Provisional geologic map of Augustine Volcano, Alaska. US Department of the Interior, US Geological Survey.
- Wakamatsu and Miyata. 2017. (Wakamatsu, H., and T. Miyata. 2017.) Reputational damage and the Fukushima disaster: an analysis of seafood in Japan. *Fish Science* 83:1049-1057.
- Wakamatsu and Miyata. 2015. Do radioactive spills from the Fukushima disaster have any influence on the Japanese seafood market? *Marine Resource Economics* 31(1):27-45.
- Walker and Murren 2019. (Walker, S., and P. Murren. 2019.) Preliminary Observations in the Aftermath of the November 30, 2018 Anchorage, Alaska Earthquake. Skidmore, Owings, and Merrill LLP. January.
- Walker et al. 1987. (Walker, D. A., P. J. Webber, E. F. Binnian, K. R. Everett, N. D. Lederer, E. A. Nordstrand, and M. D. Walker. 1987.) Cumulative impacts of oil fields on northern Alaskan landscapes. *Science* 238(4828):757-761.
- Walker and Everett. 1987. (Walker, D. A., and K. R. Everett. 1987.) Road dust and its environmental impact on Alaskan taiga and tundra. *Arctic and Alpine Research* 19(4):479-489.
- Waller, R. M. 1966. Effects of the Earthquake of March 27, 1964, in the Homer Area, Alaska. Geological Survey Professional Paper 542. US Government Printing Office.

- Wang et al. 2003. (Wang, Z.i, B. P. Hollebone, M. Fingas, B. Fieldhouse, L. Sigouin, M. Landriault, P. Smith, J. Noonan, and G. Thouin. 2003.) Characteristics of Spilled Oils, Fuels, and Petroleum Products: 1. Composition and Properties of Selected Oils. United States Environmental Protection Agency.
- Ward and Day. 2010. (Ward, S. N., and s. Day. 2010.) The 1958 Lituya Bay landslide and tsunami—a tsunami ball approach. *Journal of Earthquake and Tsunami*, 4(04), 285-319.
- Ward and Stehn. 1989. (Ward, D. H., and R. A. Stehn. 1989.) Response of Brant and Other Geese to Air Craft Disturbance at Izembek Lagoon, Alaska Anchorage. Final Report. US Fish and Wildlife Service, Alaska Fish and Wildlife Research Center.
- Wardrop. 2011. Preliminary Assessment of the Pebble Project, Southwest Alaska. Available from Northern Dynasty Minerals Ltd.
- Warnock, N. 2017. The Alaska WatchList 2017. Anchorage: Audubon Alaska.
- Watanabe et al. 1997. (Watanabe, T., V. Kiron, and S. Satoh. 1997.) Trace minerals in fish nutrition. *Aquaculture* 151: 185-207.
- Watkins, W. A. 1986. Whale reactions to human activities in Cape Cod waters. *Marine Mammal Science* 2(4):251–262.
- Watkins et al. 1981. (Watkins, W. A., K. E. Moore, D. Wartzok, and J. D. Johnson. 1981.) Radio tracking of finback *Balaenoptera physalus* and humpback *Megaptera novaeangliae* whales in Prince William Sound, Alaska. *Deep-Sea Res.* 28A(6):577-88.
- Waythomas and Neal. 1998. (Waythomas, C. F., and C. A. Neal. 1998.) Tsunami generation by pyroclastic flow during the 3500-year B.P. caldera-forming eruption of Aniakchak Volcano, Alaska. *Bulletin of Volcanology* 60:110–124.
- Waythomas and Waitt. 1998. (Waythomas, C. F., and R. B. Waitt, 1998. Preliminary volcano-hazard assessment for Augustine volcano, Alaska. Alaska Volcano Observatory.
- Waythomas et al. (Waythomas, C. F., P. Watts, F. Shi, and J. T. Kirby. 2009.) Pacific Basin tsunami hazards associated with mass flows in the Aleutian arc of Alaska. *Quaternary Science Reviews*, 28(11-12), 1006-1019.
- Waythomas et al. (Waythomas, C. F., P. Watts, and J. S. Walder. 2006.) Numerical simulation of tsunami generation by cold volcanic mass flows at Augustine Volcano, Alaska.
- Weber-Scannell, P. K. 1991. Influence of Temperature on Freshwater Fishes: a Literature Review with Emphasis on Species in Alaska. Technical Report No. 91-1. Fairbanks: Alaska Department of Fish and Game, Division of Habitat. 47 pp.
- Webster et al. 2012. (Webster, K. E., C. J. Bowser, M. P. Anderson, and J. D. Lenters. 2012.) Understanding the lake-groundwater system: just follow the water. *Limnology Library*. September 26.
- Weems and Blodgett. 1996. (Weems, R. E., and R. B. Blodgett. 1996.) The Pliosaurid *Megalneusaurus*: A Newly Recognized Occurrence in the Upper Jurassic Naknek Formation of the Alaska Peninsula. *Geologic Studies in Alaska by the US Geological Survey* 1994.
- Wehr and Sheath. 2003. (Wehr, J. D., and R. G. Sheath [eds.]. 2003.) *Freshwater Algae of North America: Ecology and Classification*. Academic Press.

- Weilgart, L. S. 2014. Are we mitigating underwater noise-producing activities adequately? A comparison of Level A and Level B cetacean takes. Paper SC/65b/E07 presented to the Scientific Committee of the International Whaling Commission.
- Weixelman and Cooper. 2009. (Weixelman, D. A., and D. J. Cooper. 2009.) Assessing Proper Functioning Condition for Fen Areas in the Sierra Nevada and Southern Cascade Ranges in California.
- Welch and Batten. 1999. (Welch, D. W., and S. D. Batten. 1999.) Climate change, global warming, and the PICES mandate—the need for improved monitoring.
- Wells and Coppersmith. 1994. (Wells, D. L., and K. J. Coppersmith. 1994.) New empirical relationships among magnitude, rupture length, rupture width, rupture area, and surface displacement. *Bulletin of the seismological Society of America*, 84(4), 974-1002.
- Wesson et al. 2007. (Wesson, R. L., O. S. Boyd, C. S. Mueller, C. G. Bufe, A. D. Frankel, and M. D. Petersen. 2007.) Revision of Time-Independent Probabilistic Seismic Hazard Maps for Alaska (No. 2007-1043). US Geological Survey.
- Whitfield and Becker. 2014. (Whitfield, A. K., and A. Becker. 2014.) Impacts of recreational motorboats: A review. *Marine Pollution Bulletin* 83:24–31.
- WHO (World Health Organization). 2018. World Health Statistics: Monitoring Health for the Sustainable Development Goals. Available: <http://apps.who.int/iris/bitstream/handle/10665/272596/9789241565585-eng.pdf?ua=1>.
- WHO. 2016. Ambient (Outdoor) Air Quality and Health. Available: [http://www.who.int/en/news-room/fact-sheets/detail/ambient-\(outdoor\)-air-quality-and-health](http://www.who.int/en/news-room/fact-sheets/detail/ambient-(outdoor)-air-quality-and-health). Updated May 2, 2018.
- WHO. 1999. Guidelines for Community Noise. Available: <http://apps.who.int/iris/handle/10665/66217>. Accessed May 8, 2018.
- Wibbenmeyer et al. 1982. (Wibbenmeyer, M., J. Grunblatt, and L. Shea. 1982.) User's Guide for Bristol Bay Land Cover Maps. Bristol Bay Cooperative Management Plan. Anchorage: Alaska Department of Natural Resources and Alaska Department of Fish and Game.
- Williams and Davis. 1995. (Williams, T. E., and R. W. Davis [eds.]. 1995.) Emergency Care and Rehabilitation of Oiled Sea Otters: A Guide for Oil Spills Involving Fur Bearing Animals. Fairbanks: University of Alaska Press. 279 pp.
- Williams et al. 2007. (Williams, P. A., S. Wiser, B. Clarkson, and M. C. Stanley. 2007.) New Zealand's historically rare terrestrial ecosystems set in a physical and physiognomic framework. *New Zealand Journal of Ecology*, 31(2): 119-128.
- Williams et al. 1988. (Williams, T. M., R. A. Kastelein, R. W. Davis, and J. A. Thomas. 1988.) The effects of oil contamination and cleaning on sea otters (*Enhydra lutris l.*) thermoregulatory implications based on pelt studies. *Canadian Journal of Zoology* 66:2776–2781.
- Williams Lake Tribune 2018. Sockeye salmon return in droves to Quesnel Lake watershed. September 5.
- Williamson and Peyton. 1962. (Williamson, F. S. L., and L. J. Peyton. 1962.) Faunal Relationships of Birds in the Iliamna Lake Area, Alaska. *Biological Papers of the University of Alaska*, No. 5.
- Wilson et al. 2015. (Wilson, F. H., C. P. Hults, C. G. Mull, and S. M. Karl. 2015.) Geologic Map of Alaska. Scientific Investigations Map 3340 (electronic).

- Wilson et al. 2012. (Wilson, F. H., C. P. Hults, H R. Schmoll, P. J. Haeussler, J. M. Schmidt, L. A. Yehle, and K. A. Labay. 2012.) Geologic Map of the Cook Inlet Region, Alaska. US Geological Survey Scientific Investigations Map 3153.
- Winter, Thomas C. 1976. Numerical simulation analysis of the interaction of lakes and ground water (Vol. 1001). US Government Printing Office.
- Wipfli and Baxter. 2010. (Wipfli, M. S., and C. V. Baxter. 2010.) Linking Ecosystems, Food Webs, and Fish Production: Subsidies in Salmonid Watersheds. American Fisheries Society, Volume 35, Issue 8, pages 365-395.
- Wipfli et al. (Wipfli, M. S., J. S. Richardson, and R.J. Naiman. 2007.) Ecological Linkages Between Headwaters and Downstream Ecosystems: Transport of Organic Matter, Invertebrates, and Wood Down Headwater Channels. Journal of the American Water Resources Association (JAWRA) 43(1):72-85. DOI: 10.1111/j.1752-1688.2007.00007.x.
- WISE (World Information Service on Energy Uranium Project). 2018. Chronology of Major Tailings Dam Failures. Available: <http://www.wise-uranium.org/mdaf.html>. Last updated August 29, 2018. Accessed October 31, 2018.
- Withrow et al. 2015. (Withrow, D. E., J. Burns, P. L. Boveng, J. Ver Hoef, G. O’Corry-Crowe. 2015). Freshwater seals of Iliamna Lake: Recent Population Updates. Poster presented at: Alaska Marine Science Symposium, January 2015, Anchorage, AK.
- Wobus et al. 2015. (Wobus, C., R.Prucha, D. Albert, C. Woll, M. Loinaz, and R. Jones. 2015.) Hydrologic Alterations from Climate Change Inform Assessment of Ecological Risk to Pacific Salmon in Bristol Bay, Alaska. PLoS ONE 10(12): e0143905. doi:10.1371/journal.pone.0143905.
- Wolfe et al. 2010 (Wolfe, R. J., C. L. Scott, W. E. Simeone, C. J. Utermohle, and M. P. Pete. 2010.) The “Super-Household” in Alaska Native Subsistence Economies. Report to the National Science Foundation, ARC 0352611.
- Wolfe et al. 1998. (Wolfe, M. F., S. Schwarzbach, and R. A. Sulaiman. 1998.) Effects of mercury on wildlife: a comprehensive review. Environmental Toxicology and Chemistry: An International Journal, 17(2), 146-160.
- Wolken et al. 2011. (Wolken, J. M., T. N. Hollingsworth, T. S. Rupp, F. S. Chapin III, S. F. Trainor, T. M. Barrett, P. F. Sullivan, A. D. McGuire, E. S. Euskirchen, P. E. Hennon, E. A. Beever, J. S. Conn, L. K. Crone, D. V. D’Amore, N. Fresco, T. A. Hanley, K. Kielland, J. J. Kruse, T. Patterson, E. A. G. Schuur, D. L. Verbyla, and J. Yarie. 2011.) Evidence and implications of recent and projected climate change in Alaska’s forest ecosystems. Ecosphere 2(11), Article 124. doi:10.1890/ES11-00288.1.
- Wolla and Sullivan. 2017. (Wolla, S., and J. Sullivan. 2017.) Education, Income and Wealth. Page One Economics. Federal Reserve Bank of St. Louis. Available: https://files.stlouisfed.org/files/htdocs/publications/page1-econ/2017-01-03/education-income-and-wealth_SE.pdf.
- Wolt et al. 2012. (Wolt, R. C., F. P. Gelwick, F. Weltz, and R. W. Davis. 2012.) Foraging behavior and prey of sea otters in a soft- and mixed-sediment benthos in Alaska. Mammalian Biology 77:271–280.
- Wood et al. 2012. (Wood, J., B. Southall and D. Tollit. 2012.) PG&E offshore 3-D Seismic Survey Project EIR–Marine Mammal Technical Draft Report. SMRU Ltd.

- Woody, C.A. 2004. Population monitoring of Lake Clark and Tazimina River sockeye salmon, Kvichak River watershed, Bristol Bay, Alaska 2000-2003. U.S.G.S. Alaska Science Center, Final Report Study 01-095. Anchorage, Alaska.
- Woody, C. A. n.d. Copper, Salmon and the Proposed Pebble Mine. Available: http://pebble.science.org/pdfs/Pebble_copper_salmon.pdf.
- Woody and Higman. 2011. (Woody, C. A., and B. Higman. 2011.) Groundwater as Essential Habitat in Nushagak and Kvichak River Headwaters: Issues Related to Mining.
- Woody and O'Neal 2012. (Woody, C. A., and S. O'Neal. 2012.). Effects of copper on fish and aquatic resources. Fisheries Research and Consulting.
- Woolington, J. D. 2009. Mulchatna Caribou Management Report, Units 9B, 17, 18 South, 19A & 19B. In Caribou Management Report of Survey and Inventory Activities July 1, 2006–June 30, 2008, ed. P. Harper. Alaska Department of Fish and Game, Division of Wildlife Conservation, Juneau, AK.
- Woolington, J. D. 2007a. Mulchatna Caribou Management Report, Units 9B, 17, 18 South, 19A & 19B. In Caribou Management Report of Survey and Inventory Activities, July 1, 2004–June 30, 2006, ed. P. Harper, 14–32. Alaska Department of Fish and Game, Division of Wildlife Conservation, Juneau, AK.
- Woolington, J. D. 2007b. Unit 17 Furbearer. In Furbearers Management Report of Survey and Inventory Activities, July 1, 2003–June 30, 2006, ed. P. Harper, 197–217. Alaska Department of Fish and Game. Project 7.0. Juneau, AK.
- Woolington, J. D. 2006. Unit 17 Wolf Management Report. In Wolf Management Report of Survey and Inventory Activities, July 1, 2002–June 30, 2005, ed. P. Harper, 118–125. Alaska Department of Fish and Game. Project 14.0. Juneau, AK.
- Woolington, J. D. 2003. Mulchatna Caribou Management Report. In Caribou Management Report of Survey and Inventory Activities, July 1, 2000–June 30, 2002, ed. C. Healy, 34–52. Juneau: Alaska Department of Fish and Game, Division of Wildlife Conservation.
- WRC (Wink Research and Consulting). 2018. Economic benefits of the Bristol Bay salmon industry. Prepared for Bristol Bay Regional Seafood Development Association.
- WRCC (Western Regional Climate Center). 2018. Western US Historical Summaries (Iliamna Airport). Available: <http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?wy2685>. Accessed March 2018.
- Wright and Czapla. 2010. (Wright, S. J., and P.K. Czapla. 2010.) Alaska Coastal Revegetation & Erosion Control Guide. State of Alaska, Department of Natural Resources, Division of Agriculture, Alaska Plant Materials Center.
- WSDOE (Washington State Department of Ecology). 2013. Sediment Management Standards Chapter 173-204 WAC. State of Washington, Department of Ecology. Publication no. 13-09-055. February.
- WSDOT (Washington State Department of Transportation). 2013. Maximum Considered Depth for Liquefaction. In WSDOT Geotechnical Design Manual, M 46-03.09, Section 6.1.2.3. December.
- WSM (World Stress Map). 2018. The World Stress Map Project—A Service for Science and Earth System Management. Available: <http://www.world-stress-map.org/>. Last updated February 26, 2017. Accessed November 12, 2018.

- Xu et al. (Xu, Y., J. P. Lay, and F. Korte. 1988.) Fate and effects of xanthates in laboratory freshwater systems. *Bulletin of environmental contamination and toxicology*, 41(4-6), 683-689.
- Yost and Wright. 2001. (Yost, A. C., and R. G. Wright. 2001.) Moose, caribou, and grizzly bear distribution in relation to road traffic in Denali National Park, Alaska. *Arctic* 54(1):41–48.
- Youd and Perkins. 1978. (Youd, T. L., and D. M. Perkins. 1978.) Mapping liquefaction-induced ground failure potential. *Journal of the Soil Mechanics and Foundations Division*, 104(4), 433-446.
- Young, D. B. 2004. The migration and spawning distribution of sockeye salmon within Lake Clark, Alaska (Doctoral dissertation, University of Alaska, Fairbanks).
- Young and Woody. 2007. (Young, D. B. and C. A. Woody. 2007.) Spawning distribution of sockeye salmon in a glacially influenced watershed: the importance of glacial habitats. *Transactions of the American Fisheries Society* 136:452-459.
- YSI. 2019. Environmental Dissolved Oxygen—Values Greater than 100% Air Saturation. Technical Note T602-01.
- Yu et al. 2013. (Yu, R. Q., J. R. Reinfelder, M. E. Hines, and T. Barkay. 2013.) Mercury methylation by the methanogen *Methanospirillum hungatei*. *Appl Environ Microbiol* 79:6325–6330.
- Yurela, I. 2005. Copper in plants. *Brazilian Journal of Plant Physiology*, 17(1), 145-156.
- Zagrobelny et al. (Zagrobelny, M., S. Bak, A. V. Rasmussen, B. Jørgensen, C. M. Naumann, B. L. Møller. 2004.) Cyanogenic glucosides and plant–insect interactions. *Phytochemistry*, Volume 65, Issue 3, pp. 293-306.
- Zamzow, Kendra L. 2011. Surface Water Quality near the Pebble Prospect, Southwest Alaska 2009-2010 Prepared for The Nature Conservancy. May.
- Zeba, Z. 2016. Speciation, uptake and toxic effects of Cadmium on developing stages of Atlantic salmon (*Salmo salar*). Master's Thesis, Faculty of Environmental Science and technology, Department of Environmental Sciences. December 15.
- Zerbini et al. 2006. (Zerbini, A. N., J. M. Waite, J. L. Laake, and P. R. Wade. 2006.) Abundance, trends and distribution of baleen whales off Western Alaska and the central Aleutian Islands. *Deep Sea Research Part I: Oceanographic Research Papers* 53(11):1772–1790.
- Zhao et al. 2006. (Zhao, J. X., J. Zhang, A. Asano, Y. Ohno, T. Oouchi, T. Takahashi, H. Ogawa, K. Irikura, H. K. Thio, P. G. Somerville, Yasuhiro Fukushima, and Yoshimitsu and Fukushima. 2006.) Attenuation relations of strong ground motion in Japan using site classification based on predominant period. *Bulletin of the Seismological Society of America*, 96(3), 898-913.
- Zonge International. 2017. Final Report, Seismic Survey, Pebble Port Project Amakdedori Beach, Alaska. #17035. Prepared for Pebble Limited Partnership. October 13.

9.1 REQUESTS FOR INFORMATION

- ADEC 2020-RFI 158. Feedback on Permitting for Discharge of Process Water at Port Sites. USACE Request for Information, Department of Environmental Conservation. January 20.
- ADEC 2018-RFI 064. Regulation of Effluent Discharges. AECOM Request for Information, Alaska Department of Environmental Conservation. August 27.
- ADEC 2018-RFI 064a. Follow-up to RFI 064 response—Water Quality Criteria. AECOM Request for Information, Alaska Department of Environmental Conservation. November 2.
- ADEC 2018-RFI 064. Regulation of Effluent Discharges. AECOM Request for Information, Alaska Department of Environmental Conservation. August 27.
- ADEC 2018-RFI 064a. Follow-up to RFI 064 response—Water Quality Criteria. AECOM Request for Information, Alaska Department of Environmental Conservation. November 2.
- ADF&G 2019-RFI 096. Wildlife Distribution Data. AECOM Request for Information, Alaska Department of Fish and Game. January 2.
- ADF&G 2018-RFI 003. ADF&G Subsistence GIS Data from Technical Papers. AECOM Request for Information, Alaska Department of Fish and Game. May 24.
- ADF&G 2018-RFI 089. Supplement Wildlife harvest and Subsistence Fishing Harvest Data. AECOM Request for Information, Alaska Department of Fish & Game. November 7.
- ADNR 2019-RFI 125. Consistency with State Plans and Laws. AECOM Request for Information, Alaska Department of Natural Resources. July 15.
- ADNR 2018-RFI 073. No Action Alternative. AECOM Request for Information, Alaska Department of Natural Resources. September 27.
- ADNR 2019-RFI 125. Consistency with State Plans and Laws. AECOM Request for Information, Alaska Department of Natural Resources. July 15.
- PLP 2020-RFI 021i. Follow up on RFI 021e Addendum—Water Treatment Process Update. AECOM Request for Information, Pebble Limited Partnership. March 17.
- PLP 2020-RFI 021j. Water Treatment for Mercury. AECOM Request for Information, Pebble Limited Partnership. April 8.
- PLP 2020-RFI 021k. Follow up on RFI 021i—Water Treatment Process Update. AECOM Request for Information, Pebble Limited Partnership. April 13.
- PLP 2020-RFI 034g. Updated Viewshed and Simulation. AECOM Request for Information, Pebble Limited Partnership. May 19.
- PLP 2020-RFI 041. Airport Air Traffic Data. AECOM Request for Information, Pebble Limited Partnership. February.
- PLP 2020-RFI 056a. Final Compensatory Mitigation Plan. AECOM Request for Information, Pebble Limited Partnership. January.
- PLP 2020-RFI 066b. Concentrate Pipeline and Water Management. AECOM Request for Information, Pebble Limited Partnership. May 22.

- PLP 2020-RFI 071c. Update of Avoidance and Minimization Measures in EIS. AECOM Request for Information, Pebble Limited Partnership. April 20.
- PLP 2020-RFI 071d. Additional Avoidance and Minimization Measures Suggested by Cooperating Agencies. USACE Request for Information, Pebble Limited Partnership. June 4.
- PLP 2020-RFI 082c. Indirect Impacts of Dewatering to Wetlands and Other Waters under Mine Expansion. AECOM Request for Information, Pebble Limited Partnership. April 6.
- PP 2020-RFI 097d. Updated Subsistence Figures. AECOM Request for Information, Pebble Limited Partnership. May 12.
- PLP 2020-RFI 106a. Mass Loading Figures Update. AECOM Request for Information, Pebble Limited Partnership. April 9.
- PLP 2020-RFI 116c. Wetlands and Vegetation Data Mapping for Alternative 3. AECOM Request for Information, Pebble Limited Partnership. May 21.
- PLP 2020-RFI 133b. Updated Cultural Resources Data. AECOM Request for Information, Pebble Limited Partnership. May 20.
- PLP 2020-RFI 143a. Project Optimizations. AECOM Request for Information, Pebble Limited Partnership. May 11.
- PLP 2020-RFI 160. Seismic Design Considerations, Caisson Dock. AECOM Request for Information, Pebble Limited Partnership. January 6.
- PLP 2020-RFI 161. Watershed Model and Streamflow Change. AECOM Request for Information, Pebble Limited Partnership. February 20.
- PLP 2020-RFI 162. Construction Schedule and Site Access During Construction. AECOM Request for Information, Pebble Limited Partnership. March 2.
- PLP 2020-RFI 163. Vessel Route for Bulk Carriers. USACE Request for Information, Pebble Limited Partnership. March 5.
- PLP 2020-RFI 164. Permanent Berm in Iliamna Lake for Natural Gas Pipeline. USACE Request for Information, Pebble Limited Partnership. March 31.
- PLP 2020-RFI 165. Caisson Dock Lengthwise Cross-Section. AECOM Request for Information, Pebble Limited Partnership. April 9.
- PLP 2020-RFI 166. WTP Schematics Update. AECOM Request for Information, Pebble Limited Partnership. April 7.
- PLP 2020-RFI 167. Clarification of Fish Habitat Modeling. AECOM Request for Information, Pebble Limited Partnership. April 20.
- PLP 2020-RFI 168. Alternative 3 Base Case Optimizations. AECOM Request for Information, Pebble Limited Partnership. May 19.
- PLP 2020-RFI BSEE 1a. Cook Inlet Natural Gas Pipeline: Installation Methodology. BSEE Request for Information, Pebble Limited Partnership. April 3.
- PLP 2019-BSEE 1. Cook Inlet Natural Gas Pipeline: Installation Methodology. BSEE Request for Information, Pebble Limited Partnership. December 13.
- PLP 2019-RFI BSEE 2. Cook Inlet Natural Gas Pipeline: Maintenance Schedule. BSEE Request for Information, Pebble Limited Partnership. December 13.

- PLP 2019-RFI 006b. Followup on Seepage Analysis. AECOM Request for Information, Pebble Limited Partnership. June 10.
- PLP 2019-RFI 006c. Followup on Seepage Analysis. AECOM Request for Information, Pebble Limited Partnership. August.
- PLP 2019-RFI 007b. Followup on Air Quality Emission Inventories. AECOM Request for Information, Pebble Limited Partnership. August.
- PLP 2019-RFI 008g. Followup on Seismic Stability Analysis. AECOM Request for Information, Pebble Limited Partnership. July 9.
- PLP 2019-RFI 008h. Followup on Seismic Stability Analysis. AECOM request for Information, Pebble Limited Partnership. September 16.
- PLP 2019-RFI 008i. Pseudo-static Stability Analyses—Other Embankments. AECOM Request for Information, Pebble Limited Partnership. August 30.
- PLP 2019-RFI 008j. Static Stability Analysis, Main WMP. AECOM Request for Information, Pebble Limited Partnership. October 23.
- PLP 2019-RFI 009b. Follow-up to Dispersion Modeling—Copper in Dust Deposition. AECOM Request for Information, Pebble Limited Partnership. August 18.
- PLP 2019-RFI 009c. Concentrate Transfer to Bulk Carriers. AECOM Request for Information, Pebble Limited Partnership. July 5.
- PLP 2019-RFI 011a. Follow up on HDD Operations. AECOM Request for Information, Pebble Limited Partnership. July.
- PLP 2019-RFI 014a. Geotechnical Boring Program Report. AECOM Request for Information, Pebble Limited Partnership. May 14.
- PLP 2019-RFI 014b. Followup to Mine Site Geotechnical Data. AECOM Request for Information, Pebble Limited Partnership. August.
- PLP 2019-RFI 021e. Water Treatment Process Update. AECOM request for information, Pebble Limited Partnership. November 12.
- PLP 2019-RFI 021f. Geochemical Evaluation. AECOM request for Information, Pebble Limited Partnership. September 12.
- PLP 2019-RFI 021g. Water Quality Model Update and Sensitivity/Uncertainty Analyses. AECOM Request for Information, Pebble Limited Partnership. December 19.
- PLP 2019-RFI 021h. Water Treatment Process Information—Follow-up to RFI 021e. AECOM Request for Information, Pebble Limited Partnership. December 19.
- PLP 2019-RFI 023b. Follow-up on Pit Wall Stability. AECOM Request for Information, Pebble Limited Partnership. October.
- PLP 2019-RFI 025a. 2019 Offshore Culture Resources Survey Data. AECOM Request for Information, Pebble Limited Partnership. June 19.
- PLP 2019-RFI 025b. Cultural Resources Survey Data Followup. AECOM Request for Information, Pebble Limited Partnership. September 27.
- PLP 2019-RFI 034e. Updated Viewshed Figures. AECOM Request for Information, Pebble Limited Partnership. October 24.

- PLP 2019-RFI 034f. Visual Resource Data. Request for Information AECOM Alaska, Pebble Limited Partnership. November 26.
- PLP 2019-RFI 039a. Metocean Measurement Program Data. AECOM Request for Information, Pebble Limited Partnership. July.
- PLP 2019-RFI 039b. Amakdedori Port Wave Modeling—Data Sources and Input. AECOM Request for Information, Pebble Limited Partnership. December 6.
- PLP 2019-RFI 056. Compensatory Mitigation Plan. USACE Request for Information, Pebble Limited Partnership. January 24.
- PLP 2019-RFI 062a. Clarification of Cyanide Use in Expanded Mine Scenario. AECOM Request for Information, Pebble Limited Partnership. May 30.
- PLP 2019-RFI 065a. Followup Questions on Summer Only Ferry Operations. AECOM Request for Information, Pebble Limited Partnership. January 8.
- PLP 2019-RFI 066. Concentrate Pipeline Concept Description. AECOM Request for Information, Pebble Limited Partnership. October 18.
- PLP 2019-RFI 066a. Follow-up to RFI 066 Concentrate Pipeline Concept Description. AECOM Request for Information, Pebble Limited Partnership. July.
- PLP 2019-RFI 071b. Mitigation for Analysis in the EIS. AECOM Request for Information, Pebble Limited Partnership. September 6.
- PLP 2019-RFI 082a. Dewatering Impacts to Wetland and Other Waters. AECOM Request for Information, Pebble Limited Partnership, October.
- PLP 2019-RFI 082b. Followup – Dewatering Impacts to Wetland and Other Waters. AECOM request for information, Pebble Limited Partnership. November 8.
- PLP 2019-RFI 084a. Update Construction and Blasting Footprint. AECOM Request for Information, Pebble Limited Partnership. October 29.
- PLP 2019-RFI 087a. Water and Sewage Treatment Followup. AECOM Request for Information, Pebble Limited Partnership. July 12.
- PLP 2019-RFI 097a. Cultural Resources Surveys for High/Low Potential. AECOM Request for Information, Pebble Limited Partnership. January 2.
- PLP 2019-RFI 097c. Subsistence Figures Update Request. AECOM Request for Information, Pebble Limited Partnership. December 2.
- PLP 2019-RFI 106. Additional Water Quality Data. AECOM Request for Information, Pebble Limited Partnership.
- PLP 2019-RFI 107. Access Roads to Water Extraction Sites. AECOM Request for Information, Pebble Limited Partnership. January 2.
- PLP 2019-RFI 108. Main WMP Embankment Fill Volume. AECOM Request for Information, Pebble Limited Partnership. January 7.
- PLP 2019-RFI 108a. Followup to Main WMP Embankment Fill Volume. AECOM Request for Information, Pebble Limited Partnership. January 10.
- PLP 2019-RFI 108b. Followup to RFIs 108/108a—Main WMP Embankment Fill Volume. AECOM Request for Information, Pebble Limited Partnership. January 10.

- PLP 2019-RFI 109. Groundwater Model, Followup to 12/11/18 Technical Meeting Action Items. AECOM Request for Information, Pebble Limited Partnership. January 11.
- PLP 2019-RFI 109a. Groundwater Model, Followup to 12/11/18 Technical Meeting Action Items. AECOM Request for Information, Pebble Limited Partnership. January 11.
- PLP 2019-RFI 109b. Groundwater Model, Followup to 12/11/18 Technical Meeting Action Items. AECOM Request for Information, Pebble Limited Partnership. January 18.
- PLP 2019-RFI 109c. Groundwater Model, Followup to 12/11/18 Technical Meeting Action Items. AECOM Request for Information, Pebble Limited Partnership. January 18.
- PLP 2019-RFI 109d. Groundwater model validation and sensitivity analysis. AECOM Request for Information, Pebble Limited Partnership. June 20.
- PLP 2019-RFI 109e. Followup to new groundwater model. AECOM Request for Information, Pebble Limited Partnership. August.
- PLP 2019-RFI 109f. Streamflow estimates from new groundwater model. AECOM Request for Information, Pebble Limited Partnership. October 11.
- PLP 2019-RFI 109g. Comprehensive Water Modeling System. AECOM Request for Information, Pebble Limited Partnership. November 13.
- PLP 2019-RFI 109h. Aquifer mapping used for the new groundwater model. AECOM Request for Information, Pebble Limited Partnership. October 1.
- PLP 2019-RFI 109i. Prucha 2019 – Comments Potentially Applicable to New Groundwater Model (BGC 2019). AECOM Request for Information, Pebble Limited Partnership. October.
- PLP 2019-RFI 109j. Hydraulic conductivity data used for the new groundwater model. AECOM request for Information, Pebble Limited Partnership. September 13.
- PLP 2019-RFI 109k. Potential Headwaters Streams dewatering. AECOM Request for Information, Pebble Limited Partnership. October 7.
- PLP 2019-RFI 109l. Fault sensitivity analysis—Bulk TSF west wall. AECOM Request For Information, Pebble Limited Partnership. September 24.
- PLP 2019-RFI 109m. Pit lake hydraulic containment. AECOM Request for Information, Pebble Limited Partnership. September 30.
- PLP 2019-RFI 109n. Expanded development scenario pit groundwater simulation. AECOM Request for Information, Pebble Limited Partnership. October 16.
- PLP 2019-RFI 109o. Capture zone analysis and open pit WMP. AECOM request for information, Pebble Limited Partnership. November 13.
- PLP 2019-RFI 109p. Pit lake hydraulic containment follow-up. Request for Information AECOM Alaska, Pebble Limited Partnership. November 22.
- PLP 2019-RFI 109q. Surface Water Model Follow-up. AECOM Request for Information, Pebble Limited Partnership. November 15.
- PLP 2019-RFI 110. NP/AP Ratio. AECOM Request for Information, Pebble Limited Partnership. January 8.
- PLP 2019-RFI 111. Water Quality Statistics. AECOM Request for Information, Pebble Limited Partnership. January 14.

- PLP 2019-RFI 112. Tsunami Design for Port Facilities. AECOM Request for Information, Pebble Limited Partnership. January 16.
- PLP 2019-RFI 112a. Update of Tsunami Design. AECOM Request for Information, Pebble Limited Partnership. September 6.
- PLP 2019-RFI 113. Cultural Data Refinement. AECOM Request for Information, Pebble Limited Partnership. March 19.
- PLP 2019-RFI 113a. Addendum to the Cultural Resources Summary Report. AECOM Request for Information, Pebble Limited Partnership. October 31.
- PLP 2019-RFI 114. Inquiry for Cultural Resources on Native Allotment. AECOM Request for Information, Pebble Limited Partnership. February 19.
- PLP 2019-RFI 115. Reclamation and Closure Plan. AECOM Request for Information, Pebble Limited Partnership. July.
- PLP 2019-RFI 116. Wetlands 2019 Field Verified Data. AECOM Request for Information, Pebble Limited Partnership. August 22.
- PLP 2019-RFI 116a. Wetlands Mapping Data. AECOM request for information, Pebble Limited Partnership. November 1.
- PLP 2019-RFI 116b. Alternatives 2 and 3 stream features. AECOM request for information, Pebble Limited Partnership. November 1.
- PLP 2019-RFI 117. Cultural Resource Surveys. AECOM Request for Information, Pebble Limited Partnership. May 14.
- PLP 2019-RFI 117a. 2019 Cultural Resource Surveys Clarification. AECOM Request for Information, Pebble Limited Partnership. September.
- PLP 2019-RFI 118. Surface Water Hydrology Data. AECOM Request for Information, Pebble Limited Partnership. July 8.
- PLP 2019-RFI 119. Eligibility Determinations Effort. AECOM Request for Information, Pebble Limited Partnership. May 14.
- PLP 2019-RFI 119a. Eligibility Determinations Execution and Mitigation Proposals. AECOM Request for Information, Pebble Limited Partnership. August 23.
- PLP 2019-RFI 120. Alternative Alignment for Natural Gas Pipeline. AECOM Request for Information, Pebble Limited Partnership. April 22.
- PLP 2019-RFI 121. Alternative ferry route and natural gas pipeline crossing alignment across Iliamna Lake. AECOM Request for Information, Pebble Limited Partnership. June 13.
- PLP 2019-RFI 122. Wildlife Management. AECOM Request for Information, Pebble Limited Partnership. June.
- PLP 2019-RFI 123. Restoration Plan for temporary impacts from construction. AECOM Request for Information, Pebble Limited Partnership. June 17.
- PLP 2019-RFI 124. Additional Project Simulation. AECOM Request for Information, Pebble Limited Partnership. July 2.
- PLP 2019-RFI 126. Operational Measures for Spill Prevention. AECOM Request for Information, Pebble Limited Partnership. August.

- PLP 2019-RFI 127. Alternative Road Alignment to Avoid Pedro Bay Corporation Lands. USACE Request for Information, Pebble Limited Partnership. July.
- PLP 2019-RFI 128. East Kokhanok Ferry Terminal Land Availability. AECOM Request for Information, Pebble Limited Partnership. August.
- PLP 2019-RFI 129. Low Permeability Material Quantities. AECOM request for Information, Pebble Limited Partnership. September 13.
- PLP 2019-RFI 130. Bulk TSF Closure Design and Post-Closure Stability. AECOM Request for Information, Pebble Limited Partnership. September 6.
- PLP 2019-RFI 132. Groundwater Drawdown Zone GIS Data. AECOM Request for Information, Pebble Limited Partnership. September 20.
- PLP 2019-RFI 133. Invasive Species Management Plan. USACE Request for Information, Pebble Limited Partnership. August 26.
- PLP 2019-RFI 134. Fugitive Dust Control Plan. AECOM Request for Information, Pebble Limited Partnership. September 9.
- PLP 2019-RFI 135. Monitoring and Adaptive Management Plan. AECOM Request for Information, Pebble Limited Partnership. December 23.
- PLP 2019-RFI 136. Alternative 1 Airport Spur Road Land Availability. AECOM request for Information, Pebble Limited Partnership. September 10.
- PLP 2019-RFI 137. Air Quality Dispersion Modeling. AECOM Request for Information, Pebble Limited Partnership. September 9.
- PLP 2019-RFI 138. Watershed model water balance. AECOM Request for Information, Pebble Limited Partnership. October.
- PLP 2019-RFI 139. Lake Clark Fault Information. AECOM Request for Information, Pebble Limited Partnership. October 1.
- PLP 2019-RFI 140. Fluvial Geomorphology Sampling Locations. AECOM request for Information, Pebble Limited Partnership. September 17.
- PLP 2019-RFI 141. Air Quality Dispersion Modeling Deposition Input Details. AECOM Request for Information, Pebble Limited Partnership. September 27.
- PLP 2019-RFI 143. Project Optimizations. AECOM Request for Information, Pebble Limited Partnership. October 7.
- PLP 2019-RFI 144. Intragravel Spawning Temperature Data. AECOM Request for Information, Pebble Limited Partnership. October 15.
- PLP 2019-RFI 145. WTP Discharge Temperatures. AECOM Request for Information, Pebble Limited Partnership. December 2.
- PLP 2019-RFI 146. Communication antenna specifications at Amakdedori Port. AECOM Request for Information, Pebble Limited Partnership. October 22.
- PLP 2019-RFI 147. Appendix to Summarize Fish Habitat Modeling Procedures. AECOM Request for Information, Pebble Limited Partnership. November 1.
- PLP 2019-RFI 148. GIS shape files for Biological Assessment Action Area. AECOM Request for Information, Pebble Limited Partnership. October 10.

- PLP 2019-RFI 149. Fish Habitat Modeling Results for Adult Resident Salmonids by Stream Reach. AECOM Request for Information, Pebble Limited Partnership. November 21.
- PLP 2019-RFI 150. Siting Criteria for Main Water Management Pond. AECOM Request for Information, Pebble Limited Partnership. October 25.
- PLP 2019-RFI 151. Fish Density Estimates. AECOM Request for Information, Pebble Limited Partnership. October 30.
- PLP 2019-RFI 152. Update to Table K2-5 Mine Site Supplies and Quantities. AECOM Request for Information, Pebble Limited Partnership. October 30.
- PLP 2019-RFI 153. Waterbody Crossings. AECOM Request for Information, Pebble Limited Partnership. November 1.
- PLP 2019-RFI 154. Alternate Newhalen River Crossing. AECOM Request for Information, Pebble Limited Partnership. October 29.
- PLP 2019-RFI 155. North Fork and South Fork Koktuli Rivers Baseline Habitat Data. AECOM Request for Information, Pebble Limited Partnership. November 14.
- PLP 2019-RFI 156. Review of Cultural Resources Documents. AECOM request for information, Pebble Limited Partnership. November 14.
- PLP 2019-RFI 157. Bridge Construction Techniques. US Coast Guard Request for Information, Pebble Limited Partnership. December 10.
- PLP 2019-RFI 159. Estimate of Truck Traffic to Backhaul Container Wash Water to Mine Site. AECOM Request for Information, Pebble Limited Partnership. December 13.
- PLP 2018-RFI 001. Data Needs and Proposed Timelines for Information. USACE Request for Information, Pebble Limited Partnership. March 1.
- PLP 2018-RFI 002. Grouped Vegetation Type GIS Data. AECOM Request for Information, Pebble Limited Partnership. April 27.
- PLP 2018-RFI 004. SEBD 07 SW Hydrology OCT15—Missing Appendix 7A-E Figures and Tables. AECOM Request for Information, Pebble Limited Partnership. May 24.
- PLP 2018-RFI 005. Stability of Port Structures. AECOM Request for Information, Pebble Limited Partnership. May 14.
- PLP 2018-RFI 006. Seepage Analysis. AECOM Request for Information, Pebble Limited Partnership. September 12.
- PLP 2018-RFI 006a. Followup Questions on Seepage Analysis. AECOM Request for Information, Pebble Limited Partnership. September 12.
- PLP 2018-RFI 007. Air Quality Emission Inventories. AECOM Request for Information, Pebble Limited Partnership. October 8.
- PLP 2018-RFI 008. Embankment Static and Seismic Stability. AECOM Request for Information, Pebble Limited Partnership. July 9.
- PLP RFI 2018-RFI 008a. Followup on Embankment Stability. AECOM Request for Information, Pebble Limited Partnership. September 6.
- PLP 2018-RFI 008b. Followup on 008/008a Embankment Stability Analyses. AECOM Request for Information, Pebble Limited Partnership. October 1.

- PLP 2018-RFI 008c. Followup on 008a—Seismic Analyses. AECOM Request for Information, Pebble Limited Partnership. October 1.
- PLP 2018-RFI 008d. Follow-up to response to RFI 008b (Embankment Stability Analysis). AECOM Request for Information, Pebble Limited Partnership. October 4.
- PLP 2018-RFI 008e. Embankment and Impoundment Summary Table. AECOM Request for Information, Pebble Limited Partnership. November 2.
- PLP 2018-RFI 008f. Follow-up to RFI 008f – Embankment and Impound Summary Table—Cross-Sections. AECOM Request for Information, Pebble Limited Partnership. November 2.
- PLP 2018-RFI 009. Air Quality Dispersion Modeling. AECOM Request for Information, Pebble Limited Partnership. August 21.
- PLP 2018-RFI 009a. Follow-up to RFI 009 Response: Dispersion and Deposition Modeling. AECOM Request for Information, Pebble Limited Partnership. November 2.
- PLP 2018-RFI 010. Tailings Characteristics. AECOM Request for Information, Pebble Limited Partnership. September 12.
- PLP 2018-RFI 010a. Follow-up Questions on Tailings Characteristics. AECOM Request for Information, Pebble Limited Partnership. October 5.
- PLP 2018-RFI 011. Pipeline HDD and Bluff Erosion. AECOM Request for Information, Pebble Limited Partnership. May 10.
- PLP 2018-RFI 012. Air Quality Related Values. AECOM Request for Information, Pebble Limited Partnership. November 11.
- PLP 2018-RFI 013. Iliamna Lake and Pipeline Landfall Hazards. AECOM Request for Information, Pebble Limited Partnership. August 7.
- PLP 2018-RFI 014. Mine Site Geotechnical Data: GIS Layers and TSF Coverage. AECOM Request for Information, Pebble Limited Partnership. May 14.
- PLP 2018-RFI 015. TSF Quarries. AECOM Request for Information, Pebble Limited Partnership. May 11.
- PLP 2018-RFI 015a. Followup Question on RFI 015 Response—TSF Quarries. AECOM Request for Information, Pebble Limited Partnership. July 9.
- PLP 2018-RFI 015b. Followup Question on RFI 015 Response—TSF Quarries. AECOM Request for Information, Pebble Limited Partnership. September 24.
- PLP 2018-RFI 016. Ecological Zone Descriptions and GIS Layers. AECOM Request for Information, Pebble Limited Partnership. May 18.
- PLP 2018-RFI 017. SEBD Chapter for Trace Elements (Bristol Bay). AECOM Request for Information, Pebble Limited Partnership. May 10.
- PLP 2018-RFI 018. LGO stockpile Liner. AECOM Request for Information, Pebble Limited Partnership. May 14.
- PLP 2018-RFI 019. Water Balance, Groundwater Model and Streamflow Reduction. AECOM Request for Information, Pebble Limited Partnership. November 2.
- PLP 2018-RFI 019a. Follow-up Questions on RFI 019—Water Management Plan. AECOM Request for Information, Pebble Limited Partnership. November 12.

- PLP 2018-RFI 019b. Follow-up on Streamflow Reductions at End of Mine Life Excluding Water Treatment Plant Discharges (RFI 019 Part 2 Response). AECOM Request for Information, Pebble Limited Partnership. October 3.
- PLP 2018-RFI 019c. Follow-up Requests on RFI 019—Groundwater Modeling Report. AECOM Request for Information, Pebble Limited Partnership. November 2.
- PLP 2018-RFI 019d. Pit Lake Rise. AECOM Request for Information, Pebble Limited Partnership. September 25.
- PLP 2018-RFI 020. Water Treatment. AECOM Request for Information, Pebble Limited Partnership. May 24.
- PLP 2018-RFI 021. Water Quality Predictions at Mine Site. AECOM Request for Information, Pebble Limited Partnership. July 12.
- PLP 2018-RFI 021a. Follow up Request on RFI 021—Water Quality Predictions at Mine Site. AECOM Request for Information, Pebble Limited Partnership. June 3.
- PLP 2018-RFI 021b. Follow up Request on RFI 021—Water Quality Modeling. AECOM Request for Information, Pebble Limited Partnership. October 2.
- PLP 2018-RFI 021c. Follow-up Questions on Water Quality Predictions at Mine Site. AECOM Request for Information, Pebble Limited Partnership. November 1.
- PLP 2018-RFI 021d. Follow-up to 021 Water Quality—WTP processes and salt mass management. AECOM Request for Information, Pebble Limited Partnership. November 2.
- PLP 2018-RFI 022. Water Withdrawals, Roads and Pipeline. AECOM Request or Information, Pebble Limited Partnership. September 12.
- PLP 2018-RFI 022a. Water Extraction and Supply at Port Facilities. AECOM Request for Information, Pebble Limited Partnership. September 12.
- PLP 2018-RFI 022b. Followup Request for RFI 022 Regarding Hydrostatic Test Water. AECOM Request for Information, Pebble Limited Partnership. June 2.
- PLP 2018-RFI 023. Pit Wall Stability. AECOM Request for Information, Pebble Limited Partnership. June 11.
- PLP 2018-RFI 023a. Follow-up Questions on RFI 023 Pit Wall Stability. AECOM Request for Information, Pebble Limited Partnership. October 2.
- PLP 2018-RFI 024. Plans for Reclamation and Restoration. AECOM Request for Information, Pebble Limited Partnership. September 12.
- PLP 2018-RFI 025. Cultural Resources Survey Data—PDF. AECOM Request for Information, Pebble Limited Partnership. May 10.
- PLP 2018-RFI 026. Detailed Land Status. AECOM Request for Information, Pebble Limited Partnership. May 24.
- PLP 2018-RFI 027. Project Logistics and Employment for Socioeconomics and Transportation. AECOM Request for Information, Pebble Limited Partnership. September 12.
- PLP 2018-RFI 027a. Followup Questions on RFI 027—Aircraft and Noise. AECOM Request for Information, Pebble Limited Partnership. June 26.
- PLP 2018-RFI 027b. Additional Transportation Information. AECOM Request for Information, Pebble Limited Partnership. September.

- PLP 2018-RFI 028. TSF IDF and Freeboard. AECOM Request for Information, Pebble Limited Partnership. October 1.
- PLP 2018-RFI 028a. Follow-up Questions on RFI 028—IDF, Freeboard, Precipitation Inputs, and Spillways. AECOM Request for Information, Pebble Limited Partnership. October 1.
- PLP 2018-RFI 028b. Follow-up Questions on RFI 028a—Climate Change Inputs to IDF/Freeboard. AECOM Request for Information, Pebble Limited Partnership. October 1.
- PLP 2018-RFI 029. Ferry Propeller Design Specifications. AECOM Request for Information, Pebble Limited Partnership. May 10.
- PLP 2018-RFI 030. Marine Mammal Impacts Analysis—Acoustic Information. AECOM Request for Information, Pebble Limited Partnership. May 17.
- PLP 2018-RFI 031. HDDs Under Rivers. AECOM Request for Information, Pebble Limited Partnership. May 1.
- PLP 2018-RFI 032. Conceptual Design and Feasibility Information for Options in March 20, 2018 Technical Note. AECOM Request for Information, Pebble Limited Partnership. June 5.
- PLP 2018-RFI 032. Conceptual Design and Feasibility Information for Options in March 20, 2018 Technical Note. AECOM Request for Information, Pebble Limited Partnership. June 5.
- PLP 2018-RFI 032a. Followup Request on RFI 032—Conceptual Design and Feasibility Information for Options in March 20, 2018 Technical Note. AECOM Request for Information, Pebble Limited Partnership. July 9.
- PLP 2018-RFI 032b. Follow-up request on 32a for GIS polygon data for Proposed Project layout and access route. AECOM Request for Information, Pebble Limited Partnership. August 31.
- PLP 2018-RFI 033. Project Option for Shallower Port Dredging Depth. AECOM Request for Information, Pebble Limited Partnership. May 22.
- PLP 2018-RFI 034a. Visual Resource Data. AECOM Request for Information, Pebble Limited Partnership. August 10.
- PLP 2018-RFI 034b. Visual Resource Data. AECOM Request for Information, Pebble Limited Partnership. September 17.
- PLP 2018-RFI 034c. Viewshed for Alternatives. AECOM Request for Information, Pebble Limited Partnership. September 28.
- PLP 2018-RFI 034d. Visual Resources Clarification. AECOM Request for Information, Pebble Limited Partnership. November 5.
- PLP 2018-RFI 035. Materials Sites Details and Blasting Information. AECOM Request for Information, Pebble Limited Partnership. September 12.
- PLP 2018-RFI 036. Waterbody substrate and turbidity. AECOM Request for Information, Pebble Limited Partnership. September 6.
- PLP 2018-RFI 037. Construction Schedule and Site Access During Construction. AECOM Request for Information, Pebble Limited Partnership. May 29.
- PLP 2018-RFI 038. Noise: Mine Site Equipment/Vehicle Roster. AECOM Request for Information, Pebble Limited Partnership. June 1.
- PLP 2018-RFI 039. Amakdedori—Oceanographic Data. AECOM Request for Information, Pebble Limited Partnership. June 12.

- PLP 2018-RFI 040. Mine Site Water GIS Data. AECOM Request for Information, Pebble Limited Partnership. June 7.
- PLP 2018-RFI 042. History of Exploration in Alaska. USACE Request for Information, Pebble Limited Partnership. August 3.
- PLP 2018-RFI 043. Diesel Tanks at Mine Site. AECOM Request for Information, Pebble Limited Partnership. June 26.
- PLP 2018-RFI 044. Cultural Resources Place Name Data. AECOM Request for Information, Pebble Limited Partnership. June 27.
- PLP 2018-RFI 045. Concentrate Containers—Spill and Integrity Data. AECOM Request for Information, Pebble Limited Partnership. July 2.
- PLP 2018-RFI 046. 2010 Fish Habitat Modeling. AECOM Request for Information, Pebble Limited Partnership. August 1.
- PLP 2018-RFI 047. Mine-related changes in water temperatures in project area tributaries. AECOM Request for Information, Pebble Limited Partnership. November 5.
- PLP 2018-RFI 048. Revised Habitat Time Series Analysis. AECOM Request for Information, Pebble Limited Partnership. September 28.
- PLP 2018-RFI 050. GIS Data for Chapter 10 EBD Trace Elements—Shallow Soil Sample Locations. AECOM Request for Information, Pebble Limited Partnership. June 26.
- PLP 2018-RFI 051. HDD Water Handling. AECOM Request for Information, Pebble Limited Partnership. September 12.
- PLP 2018-RFI 052. Incident Risk Assessment for Ice Breaking Ferry. AECOM Request for Information, Pebble Limited Partnership. July 24.
- PLP 2018-RFI 053. Water Chemistry Field Measurements. AECOM Request for Information, Pebble Limited Partnership. July 9.
- PLP 2018-RFI 054. Dry Stack Tailings. AECOM Request for Information, Pebble Limited Partnership. October 2.
- PLP 2018-RFI 055. PAG-Pyritic Tailings Storage Facility, Construction and Closure. AECOM Request for Information, Pebble Limited Partnership. August 14.
- PLP 2018-RFI 055a. Follow-up to response to RFI 055 PAG/Pyritic TSF. AECOM Request for Information, Pebble Limited Partnership. October 1.
- PLP 2018-RFI 057. Drinking Water Data. AECOM Request for Information, Pebble Limited Partnership. August 1.
- PLP 2018-RFI 058. Mine Site Safety Control Area. Shane McCoy, USACE Request for Information, Pebble Limited Partnership. August.
- PLP 2018-RFI 059. Project Optimization Study Cited with Regard to Throughput in PLP Technical Note on Project Options and Screening Criteria. AECOM Request for Information, Pebble Limited Partnership. September 12.
- PLP 2018-RFI 059a. Additional Throughput Option. AECOM Request for Information, Pebble Limited Partnership. October 12.
- PLP 2018-RFI 060. Diesel Hauling by truck, Ferry and Marine Vessel—Transport and Spill Data. AECOM Request for Information, Pebble Limited Partnership. July 27.

- PLP 2018-RFI 061. Wildlife Resources References. AECOM Request for Information, Pebble Limited Partnership. August 2.
- PLP 2018-RFI 062. Scenario for Expanded Development of Pebble. AECOM Request for Information, Pebble Limited Partnership. September.
- PLP 2018-RFI 063. Diamond Point Port Water Depth and Pipeline Alignment. AECOM Request for Information, Pebble Limited Partnership. September 12.
- PLP 2018-RFI 065. Summer Only Ferry Operations. AECOM Request for Information, Pebble Limited Partnership. October 18.
- PLP 2018-RFI 067. Biological Assessments and Essential Fish Habitat Assessment. USACE Request for Information, Pebble Limited Partnership. November 27.
- PLP 2018-RFI 068. Water and Sediment Quality Data Tables from EBD/SEBDs. AECOM Request for Information, Pebble Limited Partnership. September 7.
- PLP 2018-RFI 068a. Additional Water Quality Tables. AECOM Request for Information, Pebble Limited Partnership. September 11.
- PLP 2018-RFI 068b. Additional Water Quality Tables. AECOM Request for Information, Pebble Limited Partnership. September 27.
- PLP 2018-RFI 069. Tailings Disposal Options. AECOM Request for Information, Pebble Limited Partnership. October 1.
- PLP 2018-RFI 070. Cost Information for Alternatives Screening. AECOM Request for Information, Pebble Limited Partnership. September 5.
- PLP 2018-RFI 071. Mitigation for Analysis in EIS. AECOM Request for Information, Pebble Limited Partnership. September 21.
- PLP 2018-RFI 071a. Followup on RFI 071 Response – Mitigation for Analysis in the EIS. AECOM Request for Information, Pebble Limited Partnership. September 25.
- PLP 2018-RFI 072. Pile Supported Dock Concept Description. AECOM Request for Information, Pebble Limited Partnership. October 1.
- PLP 2018-RFI 074. Ferry Terminal Site East of North Shore Site. AECOM Request for Information, Pebble Limited Partnership. October 1.
- PLP 2018-RFI 075. Downstream Dam for the Bulk TSF. AECOM Request for Information, Pebble Limited Partnership. October 1.
- PLP 2018-RFI 075a. Follow-up Questions on Downstream Dam for the Bulk TSF. AECOM Request for Information, Pebble Limited Partnership. November 2.
- PLP 2018-RFI 076. Dry Stack Bulk Tailings Information. AECOM Request for Information, Pebble Limited Partnership. September 13.
- PLP 2018-RFI 077. Water Withdrawals for Select Alternative Options. AECOM Request for Information, Pebble Limited Partnership. October 12.
- PLP 2018-RFI 078. Kokhanok East Ferry Terminal Site. AECOM Request for Information, Pebble Limited Partnership. October 2.
- PLP 2018-RFI 079. North Shore East Ferry Terminal Site. AECOM Request for Information, Pebble Limited Partnership. October 1.

- PLP 2018-RFI 080. North Access Natural Gas Pipeline Route. AECOM Request for Information, Pebble Limited Partnership. November 2.
- PLP 2018-RFI 081. Anchoring Plan for Lightering Locations. AECOM Request for Information, Pebble Limited Partnership. November 2.
- PLP 2018-RFI 082. Wetlands Temporary and Indirect Impacts. AECOM Request for Information, Pebble Limited Partnership. October 16.
- PLP 2018-RFI 083. GIS Data for Action Alternatives—Biological Resources. AECOM Request for Information, Pebble Limited Partnership. October 3.
- PLP 2018-RFI 084. Transportation Corridor Construction/Blasting. AECOM Request for Information, Pebble Limited Partnership. September 27.
- PLP 2018-RFI 085. 2018 Field Data/Biological Resources. AECOM Request for Information, Pebble Limited Partnership. October 3.
- PLP 2018-RFI 086. Fish/Waterbody Crossings. AECOM Request for Information, Pebble Limited Partnership. October 18.
- PLP 2018-RFI 087. Surface water runoff and treated water management and outfalls: Ferry Terminals and Amakdedori Port. AECOM Request for Information, Pebble Limited Partnership. September 28.
- PLP 2018-RFI 088. Traditional Routes and Trails. AECOM Request for Information.
- PLP 2018-RFI 090. In Pit Crushing and Conveying. AECOM Request for Information, Pebble Limited Partnership. October 29.
- PLP 2018-RFI 091. Bulk TSF Cover Options. AECOM Request for Information, Pebble Limited Partnership. October 18.
- PLP 2018-RFI 092. Tailings Treatment Options. AECOM Request for Information, Pebble Limited Partnership. October 12.
- PLP 2018-RFI 093. Dimensions of proposed project and area of proposed impacts to Navigable WOUS. AECOM Request for Information, Pebble Limited Partnership. October 11.
- PLP 2018-RFI 094. Alternative Option to Develop Pebble East Using Underground Mining. AECOM Request for Information, Pebble Limited Partnership. October 19.
- PLP 2018-RFI 097. Cultural and Subsistence Figures Request. AECOM Request for Information, Pebble Limited Partnership. November 1.
- PLP 2018-RFI 097b. Cultural Features in Analysis Area. AECOM Request for Information, Pebble Limited Partnership. December 31.
- PLP 2018-RFI 098. TSF Options, Mine Area. AECOM Request for Information, Pebble Limited Partnership. November 3.
- PLP 2018-RFI 099. Diamond Point Port Terminal Location. AECOM Request for Information, Pebble Limited Partnership. October 30.
- PLP 2018-RFI 100. Upgrades to Newhalen River Road for Alternatives 2 and 3. AECOM Request for Information, Pebble Limited Partnership. October 29.
- PLP 2018-RFI 101. Main Water Management Pond Design Change. AECOM Request for Information, Pebble Limited Partnership. November 2.

- PLP 2018-RFI 102. Pyramid Deposit Location Alternative. AECOM Request for Information, Pebble Limited Partnership. October 29.
- PLP 2018-RFI 104. Watershed Model Documentation. AECOM Request for Information, Pebble Limited Partnership. January 8.
- PLP 2018-RFI 105. Geochemical Testing Update. AECOM Request for Information, Pebble Limited Partnership. December 31.
- PLP 2019-RFI BSEE 2. Cook Inlet Natural Gas Pipeline: Maintenance Schedule. BSEE Request for Information, Pebble Limited Partnership. December 13.
- PLP 2019-RFI BSEE 3. Cook Inlet Natural Gas Pipeline: Archaeology Discoveries. BSEE Request for Information, Pebble Limited Partnership. December 6.
- SOA 2019-RFI 131. Permitting for Large Mine Projects in Alaska. AECOM Request for Information, State of Alaska. August 30.
- USFWS 2018-RFI 095. Trumpeter Swan Distribution Data. AECOM Request for Information, US Fish and Wildlife Service. December 18.