

CHAPTER 9: REFERENCES

- 33 CFR (Code of Federal Regulations) 325, Appendix B: NEPA Implementation Procedures for the Regulatory Program. Clean Water Act, Section 404(b)(1) Guidelines. Feb. 3, 1988.
- 3PPI (Three Parameters Plus, Inc.) and Resource Data, Inc. 2014. Section 404 Clean water Act and Section 10 Rivers and Harbors Act Preliminary Permit Application Update Donlin Gold Project. November 2014. Prepared by Three Parameters Plus, Inc. and Resource Data, Inc. for Donlin Gold, Anchorage, Alaska. 2,451 pp.
- 3PPI, Barrick Gold Corporation, Resource Data, Inc., Naiad Aquatic Consultants, Coshow Environmental Inc. 2012. Preliminary Jurisdictional Wetland Determination Donlin Gold Project Southwest Alaska. Revision 0.0. Prepared by Three Parameters Plus, Inc. for Donlin Gold LLC, Anchorage, Alaska.
- 3PPI, Barrick Gold Corporation, Resource Data, Inc., Naiad Aquatic Consultants, and Coshow Environmental Inc. 2014. Preliminary Jurisdictional Determination Donlin Gold Project Southwest Alaska. April 2014. Revision 1.0. Prepared by Three Parameters Plus, Inc. for Donlin Gold LLC, Anchorage, Alaska.
- 3PPI. 2014a. Donlin Gold Project Vegetation Type Photo Signature Guide. Draft Report. January 2014. Prepared by Three Parameters Plus, Inc. for Donlin Gold, LLC. Anchorage, AK. 107 pp.
- 3PPI. 2014b. Draft Wetland Functional Assessment Donlin Gold Project. June 2014. Version 02, Revision 01. Prepared by Three Parameters Plus, Inc. for Donlin Gold, LLC. Anchorage, AK.
- 40 CFR 1502.14, Alternatives Including the Proposed Action.
- 40 CFR 230.10(a)(2), Restrictions on Discharge.
- 40 CFR 320.4(a), General Policies for Evaluating Permit Applications.
- ABR (ABR, Inc. Environmental Research and Services) and BPXA (BP Exploration (Alaska) Inc.). 2013. Rehabilitation Report for Washington Creek (K8A) Trenching Test Site, Interior Alaska. Progress Report. March 15, 2013. USACE Permit #4-2001-1280, Washington Creek 2. Prepared by ABR, Inc. Environmental Research and Services and BP Exploration (Alaska) Inc., Anchorage, Alaska. 28pp.
- Abrahamson, M. 2012. Aleutians West Census Area. Alaska Economic Trends 32 (11):12-16.
- Abrahamson, M. 2013. The Yukon-Kuskokwim Delta. Alaska Economic Trends 33 (10):4-7.
- ACCS (Alaska Center for Conservation Science). 2017a. Conservation datasets. Accessed January 15, 2017. <http://accs.uaa.alaska.edu/conservation-data>.
- ACCS. 2017b. Wildlife diversity program. Accessed January 15, 2017. <http://accs.uaa.alaska.edu/zoology/wildlife-diversity>.
- ACCS. 2017c. Animal range datasets. Accessed January 15, 2017. <http://aknhp.uaa.alaska.edu/apps/biotics/>.

- ACCS. 2017d. Wood frog range. Accessed January 15, 2017.
http://accs.uaa.alaska.edu/files/zoology/amphibian_db/range/Wood_Frog_Range.jpg.
- ACCS. 2017e. Invasive and harmful species. Accessed January 15, 2017.
<http://accs.uaa.alaska.edu/invasive-species>.
- ACCS. 2017f. Rare and sensitive plant list. Accessed January 15, 2017.
<http://aknhp.uaa.alaska.edu/apps/rareplants/>.
- ACHP (Advisory Council on Historic Preservation). 2014. Programmatic Agreement on Protection of Historic Properties during Emergency Response under the National Oil and Hazardous Substances Pollution Contingency Plan. Accessed October 27, 2014.
<http://www.achp.gov/NCP-PA.html>.
- Ackerman, JT, TE Kraus, JA Fleck, DP Krabbenholft, WR Horwath, SM Bachand, MP Herzog, CA Hartman, and PA Bachand. 2015. Experimental Dosing of Wetlands with Coagulants Removes Mercury from Surface Water and Decreases Mercury Bioaccumulation in Fish. *Environ Sci Technol* 49(10):6304-6311. doi:10.1021/acs.est.5b00655
- Ackerman, NA. 2002. Effects of Vessel Wake Stranding of Juvenile Salmonids in the Lower Columbia River, 2002 – A Pilot Study. Prepared by SP Cramer & Associates, Inc., Sandy, Oregon, for the US Army Corps of Engineers, Portland District, Portland, Oregon.
- Ackerman, RA. 1996a. Lime Hills, Cave 1. Pages 456-460 *in* American Beginnings: The Prehistory and Paleoecology of Beringia. FH West, editor. Chicago, IL. University of Chicago Press.
- Ackerman, RA. 1996b. Spein Mountain. Pages 456-460 *in* American Beginnings. FH West, editor. Chicago, IL; University of Chicago Press.
- Ackerman, RA. 1996c. Nukluk Mountain. Pages 461-463 *in* American Beginnings: The Prehistory and Paleoecology of Beringia. FH West, editor. Chicago, IL; University of Chicago Press.
- Ackerman, RE, TD Hamilton, and R Stuckenrath. 1979. Early Culture Complexes on the Northern Northwest Coast. *Canadian Journal of Archaeology* 3:195:209.
- Acomb, L. 2011. Hydrocarbon Risk Calculator User Manual. January 4, 2011. Prepared by Lawrence Acomb, Geosphere, Inc. and CH2MHill. 143 pp. <http://dec.alaska.gov/spar/csp/guidance/hrc/HRC%20User%20Manual.pdf>
- ACS (American Cancer Society). 2015. Website available at:
<http://www.cancer.org/cancer/cancerbasics/lifetime-probability-of-developing-or-dying-from-cancer>. Accessed October 5, 2015.
- ADEC (Alaska Department of Environmental Conservation). 1999. Operational Draft Guidebook for Referenced Based Assessment of the Functions of Precipitation-Driven Wetlands on Discontinuous Permafrost in Interior Alaska. US Army Corps of Engineers Waterways Experiment Station, Technical Report Number: WRP-DE-1999.
- ADEC. 2000. Guidance for Cleanup of Petroleum Contaminated Sites. Division of Spill Prevention and Response, Contaminated Sites Remediation Program. September. 58 pp.

- ADEC. 2001. Alaska Regional Haze Strategy, Alaska Department of Environmental Conservation, Air Non-point and Mobile Sources. November 7, 2001. Accessed October 25, 2013. http://dec.alaska.gov/air/anpms/doc-anpms/AKRH_strat.pdf
- ADEC. 2005. Policy Guidance on Developing Conceptual Site Models. Division of Spill Prevention and Response Contaminated Sites Program. November 30, 2005. Available at: https://dec.alaska.gov/spar/csp/guidance/csm05_draft.pdf
- ADEC. 2008a. Alaska Water Quality Criteria Manual for Toxic and Other Deleterious Organic and Inorganic Substances, as amended through December 12, 2008.
- ADEC. 2008b. Draft Summary Report of Improvements to the Alaska Greenhouse Gas Emission Inventory. Juneau, AK.
- ADEC. 2008c. Cleanup Levels Guidance. Division of Spill Prevention And Response Contaminated Sites Program. June 9, 2008. Available at: https://dec.alaska.gov/spar/csp/guidance_forms/docs/cleanuplevels.pdf. Accessed October 5, 2015.
- ADEC. 2009. Internal Memorandum: Site Closure. ADEC Contaminated Sites Staff. July 24, 2009.
- ADEC. 2011a. Alaska Pollution Discharge Elimination System General Permit for Discharges from Large and Small Construction Activities (“Alaska Construction General Permit”).
- ADEC. 2011b. Alaska Department of Environmental Conservation, 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, 2011.
- ADEC. 2011c. Draft Risk Assessment Procedures manual. Updated and Recommended for Use. Division of Spill Prevention and Response, Contaminated Sites Program. November 2011.
- ADEC. 2012a. 18 AAC 75. Oil and Other Hazardous Substances Pollution Control. April 8, 2012.
- ADEC. 2012b. 18 AAC 78. Underground Storage Tanks. July 25, 2012.
- ADEC. 2012c. 18 AAC 80. Drinking Water. August 20, 2012.
- ADEC. 2012d. 18 AAC 70. Water Quality Standards, as amended through April 8, 2012. <http://dec.alaska.gov/commish/regulations/pdfs/18%20AAC%2070.pdf>.
- ADEC. 2013a. Contaminated Sites Program. Accessed November 11, 2013. http://dec.alaska.gov/spar/csp/db_search.htm.
- ADEC. 2013b. Contaminated Sites Program. Accessed November 2013. http://dec.alaska.gov/Applications/SPAR/CCReports/Site_Report.aspx?Hazard_ID=487.
- ADEC. 2013c. GIS layers: C-M_Public_Water_System_Sources_SDWIS and EH_Drinking_Water_Protection_Areas. “Public Water System information has been provided by the Drinking Water Program of ADEC. The information provided is a snapshot as of October 21, 2013. There may be errors in source location information as well as other information.”
- ADEC. 2013d. Sediment Quality Guidelines (SQG). Technical Memorandum: Division of Spill Prevention and Response Contaminated Sites Program. January 2013. 4 pp.

- ADEC. 2013e. 18 AAC 50, Air Quality Control, as amended through October 6, 2013.
- ADEC. 2014. 18 AAC 75, Oil and Other Hazardous Substances, Pollution Control.
<https://dec.alaska.gov/commish/regulations/pdfs/18%20AAC%2075.pdf>.
- ADEC. 2015a. 18 AAC 50, Air Quality Control, as amended through April 17, 2015.
- ADEC. 2015b. PERP Spills Database Search. Division of Spill Prevention and Response, Prevention and Emergency Response. Accessed September 28, 2015.
<http://dec.alaska.gov/Applications/SPAR/PublicMVC/PERP/SpillSearch>
- ADEC. 2015c. Alaska Pollutant Discharge Elimination System Permit Fact Sheet, Permit Number: AK0043206 – Hecla Greens Creek Mining Company. Effective October 1, 2015.
- ADEC. 2016. Alaska Best Management Practices – Construction of Non-Public Water Wells. Groundwater Protection Stakeholder Workgroup: Water Wells, June 6, 2016.
- ADEC. 2017a. ArcGIS - ADEC Drinking Water Internal Map. Accessed March 28, 2017.
<http://www.arcgis.com/home/webmap/print.html>
- ADEC. 2017b. 18 AAC 75, Oil and Other Hazardous Substances, Pollution Control, as amended through July 1, 2017. <http://dec.alaska.gov/commish/regulations/pdfs/18-aac-75.pdf>
- ADEC. 2017c. Source Water Assessments, Frequently Asked Questions. Accessed September 22, 2017. <https://dec.alaska.gov/eh/pdf/dw/dwp-freq-ask-quest.pdf>
- ADEC. 2017d. Drinking Water Program, Drinking Water Protection. Accessed September 22, 2107. <https://dec.alaska.gov/eh/dw/dwp/dwp-main.html>
- ADEC. 2017e. Alaska Best Management Practices for Maintaining or Decommissioning Water Wells and Boreholes. Groundwater Protection Stakeholder Workgroup: Water Wells, January 23, 2017.
- ADEC. 2017f. Drinking Water Watch: Water System Details, Water System No. AK2271983, Donlin Gold Camp. Accessed September 22, 2017.
https://dec.alaska.gov/DWW/JSP/WaterSystemDetail.jsp?tinwsys_is_number=2762&tinwsys_st_code=AK&wsnumber=AK2271983
- ADEC. 2017g. ArcGIS – Alaska DEC Drinking Water Protection Areas. Accessed September 7, 2017. <https://dec.alaska.gov/eh/dw/dwp/protection-areas-map.html>
- ADEC. 2017h. Notice of Review, APDES Preliminary Draft Individual Permit and Permit Fact Sheet. Permit Number: AK 0055867 – Donlin Gold Project. Posted November 9, 2017,
<http://dec.alaska.gov/water/wwdp/NoticeOfReview.htm>
- ADEC. 2017i. Air Quality Control Construction Permit AK0934CPT01; and Technical Analysis Report for Air Quality Control Construction Permit, Permit AK0934CPT01, Donlin Gold LLC, Donlin Gold Project, Mine Construction. Final – June 30, 2017.
<http://dec.alaska.gov/Applications/Air/airtoolsweb/AirPermitsApprovalsAndPublicNotices/>
- ADEC. 2017j. Alaska Pollutant Discharge Elimination System Permit Fact Sheet - Draft, Permit Number: AK0038652 – Teck Alaska, Incorporated. Posted April 7, 2017.
- ADEC. 2017k. Alaska Pollutant Discharge Elimination System Permit Fact Sheet - Final, Permit Number: AK0053341 – Sumitomo Metal Mining Pogo LLC. Effective July 1, 2017.

- ADEED (Alaska Department of Education and Early Development). 2010. Alaska Statewide Correspondence Schools. Accessed September 23, 2013. http://www.eed.state.ak.us/Alaskan_Schools/corres/
- ADEED. 2012. Public School Funding Program Overview. Anchorage, AK.
- ADEED. 2013. Alaska Statewide Correspondence Schools. Accessed September 23, 2013. http://www.eed.state.ak.us/Alaskan_Schools/corres/
- ADF&G (Alaska Department of Fish and Game) and ADOT&PF (Alaska Department of Transportation and Public Facilities). 2001. Memorandum of Agreement between Alaska Department of Fish and Game and Alaska Department of Transportation and Public Facilities for the Design, Permitting, and Construction of Culverts for Fish Passage. August 3, 2001.
- ADF&G. 1988. Susitna Flats State Game Refuge Management Plan. Prepared by the Divisions of Habitat and Game. Alaska Department of Fish and Game. Anchorage, AK. http://www.adfg.alaska.gov/static/lands/protectedareas/_management_plans/susitna.pdf
- ADF&G. 1990. Cooperation in the Production of Wild Food. Division of Subsistence. Juneau, Alaska.
- ADF&G. 1994. Alaska Blackfish Ecological Profile, revised and reprinted, 1994. http://www.adfg.alaska.gov/static/education/wns/alaska_blackfish.pdf.
- ADF&G. 2002. Alaska Aquatic Nuisance Species Management Plan. Juneau, AK.
- ADF&G. 2005. Data Summary for the Kuskokwim River Salmon Test Fishery at Bethel. Fishery Data Series No. 05-14. Anchorage, AK.
- ADF&G. 2006a. Yukon-Innoko Moose Management Plan for Game Management Subunits 21A and 21 E. Division of Wildlife Conservation in cooperation with the Yukon-Innoko Moose Management Working Group. p 32. http://www.adfg.alaska.gov/static/home/about/management/wildlifeplanning/pdfs/yukon_innoko_plan.pdf
- ADF&G. 2006b. Our Wealth Maintained: A Strategy for Conserving Alaska's Diverse Wildlife and Fish Resources. Alaska Department of Fish and Game, Juneau, Alaska.
- ADF&G. 2006c. Conservation Action Plans: Freshwater fish introduction and anadromous smelts (Appendix 4). *In: Our Wealth Maintained: A Strategy for Conserving Alaska's Diverse Wildlife and Fish Resources*. Alaska Department of Fish and Game, Juneau, Alaska. XVIII+824 pp.
- ADF&G. 2007. Management plan for invasive northern pike in Alaska. Prepared by Southcentral Alaska Northern Pike Control Committee. Anchorage, AK. 62 pp.
- ADF&G. 2008. Annual Management Report for the Subsistence and Commercial Fisheries of the Kuskokwim Area. 2004. Fishery Management Report No. 08-25.
- ADF&G. 2008b. Alaska Fish & Wildlife News: Caribou and Climate Change The Nelchina Caribou Herd, Lichens and Fire. March 2008. Accessed September 30, 2015. http://www.adfg.alaska.gov/index.cfm?adfg=wildlifeneews.view_article&articles_id=356

- ADF&G. 2008c. Dolly Varden. ADF&G Wildlife Notebook Series: Alaska Department of Fish and Game, v. 2008.
- ADF&G. 2008d. Rainbow Trout. ADF&G Wildlife Notebook Series: Alaska Department of Fish and Game, v. 2008.
- ADF&G. 2009. Unit 19A Wolf Predation Control Implementation Plan and Activities. Division of Wildlife Conservation Report to the Alaska Board of Game. p 5. http://www.wc.adfg.state.ak.us/management/control/pdfs/gmu19_uytpc_mar_2009.pdf
- ADF&G. 2010. Catalog of Waters Important for the Spawning, Rearing or Migration of Anadromous Fishes. <http://www.adfg.alaska.gov/sf/SARR/AWC/>
- ADF&G. 2010b. Climate Change Strategy. Accessed September 2015. <http://www.adfg.alaska.gov/static/lands/ecosystems/pdfs/climatechangestrategy.pdf>.
- ADF&G. 2012a. Alaska Chinook Salmon Knowledge Gaps and Needs. Anchorage, AK.
- ADF&G. 2012b. 2012 Preliminary Kuskokwim Area Salmon Season Summary. Anchorage, AK.
- ADF&G. 2012d. Subsistence in Alaska: A Year 2010 Update. Division of Subsistence. Anchorage, AK.
- ADF&G. 2013a. Akiak 2010. Subsistence, Community Subsistence Information System. Accessed October 2, 2013. <http://www.adfg.alaska.gov/sb/CSIS/index.cfm?ADFG=harvInfo.Harvest&CommID=4&Year=2010>
- ADF&G. 2013b. Kwethluk 2010. Subsistence, Community Subsistence Information System. Accessed October 2, 2013. <http://www.adfg.alaska.gov/sb/CSIS/index.cfm?ADFG=harvInfo.Harvest&CommID=206&Year=2010>
- ADF&G. 2013c. Trapper Questionnaire Statewide Annual Report, 1July 2011-30 June 2012. Alaska Department of Fish and Game. Juneau, Alaska. Wildlife Management Report ADFG/DWC/WMR-2013-4.
- ADF&G. 2013d. 2013-2014 Alaska Hunting Regulations. No. 54.
- ADF&G. 2013e. Harvest Reports. Accessed November 1, 2013. <http://www.adfg.alaska.gov>.
- ADF&G. 2013f. Alaska Joints Boards Meeting Information, October 12, 2013. Accessed November 18, 2013. <http://www.adfg.alaska.gov/index.cfm?adfg=process.jbmeetinginfo&date=10-12-2013&meeting=anchorage>.
- ADF&G. 2013g. Refuges, Sanctuaries, and Critical Habitat Area Permits Overview. Accessed October 8, 2013. http://www.adfg.alaska.gov/index.cfm?adfg_uselicense_areas
- ADF&G. 2013h. Kuskokwim Drainage Management Area. Accessed October 9, 2013 and September 15, 2015. <http://www.adfg.alaska.gov/index.cfm?adfg=ByAreaInteriorKuskokwim.main>.
- ADF&G. 2013i. Frequently Asked Questions: Low Runs of Chinook Salmon in Alaska. <http://www.adfg.alaska.gov/index.cfm?adfg=chonookinitiative.main>. Accessed September 2, 2015; page last updated November 2013.
- ADF&G. 2013j. Chinook Salmon Stock Assessment and Research Plan, 2013. Alaska Department of Fish and Game, Special Publication No. 13-01, Anchorage.

- ADF&G. 2014a. Sheefish (*Stenodus leucichthys*): Species Profile. Accessed February 24, 2014.
<http://www.adfg.alaska.gov/index.cfm?adfg=sheefish.main>.
- ADF&G. 2014b. Subsistence Fishing: Kuskokwim River. Accessed February 24, 2014.
<http://www.adfg.alaska.gov/index.cfm?adfg=ByAreaSubsistenceKuskokwim.main>.
- ADF&G. 2014c. Susitna Flats State Game Refuge website. Accessed 2014.
<http://www.adfg.alaska.gov/index.cfm?adfg=susitnaflats.species>
- ADF&G. 2014d. Subsistence in Alaska: A Year 2012 Update. Alaska Department of Fish and Game, Division of Subsistence. Anchorage, Alaska.
- ADF&G. 2015a. Division of Sport Fish. Research and Tech Services. Fish Resource Monitor. Anadromous Waters. March 2015. <http://extra.sf.adfg.state.ak.us/FishResourceMonitor/?mode=awc>
- ADF&G. 2015b. Big Game Commercial Services Board: Big Game Guides and Transporters. Division of Corporations, Business and Professional Licensing. Accessed March 11, 2015.
<http://commerce.state.ak.us/occ/apps/GuiUseReg.cfm>.
- ADF&G. 2015c. Invasive species website. Accessed January 9, 2015:
http://www.adfg.alaska.gov/index.cfm?adfg=invasiveprofiles.norwayrat_distribution
- ADF&G. 2015d. Community Subsistence Information System. Accessed February 20, 2015.
<http://www.adfg.alaska.gov/sb/CSIS/index.cfm?ADFG=harvInfo.harvestCommSelComm>
- ADF&G. 2015e. Subsistence Moose Harvest Data. Accessed March 23 and March 24, 2015.
<https://secure.wildlife.alaska.gov/index.cfm?adfg=harvest.main>
- ADF&G. 2015f. Alaska Sport Fishing Survey database. 1996-. Anchorage, AK: ADF&G, Division of Sport Fish. Accessed September 10, 2015.
<http://www.adfg.alaska.gov/sf/sportfishingsurvey/>
- ADF&G. 2015g. Frogs and Toads. Available online, and accessed September 2015.
http://adfg.alaska.gov/static/education/wns/frogs_and_toads.pdf
- ADF&G. 2015h. 1990-2013 Kuskokwim Management Area Chinook, Coho, Sockeye, and Chum Salmon Harvest. Accessed September 30, 2015.
<http://www.adfg.alaska.gov/index.cfm?adfg=commercialbyareakuskokwim.salmon#harvest>
- ADF&G. 2015i. Bethel Test Fishery Catch Per Unit Effort, Kuskokwim Management Area Commercial Salmon Fisheries. Accessed September 30, 2015.
<http://www.adfg.alaska.gov/index.cfm?adfg=commercialbyareakuskokwim.btf>
- ADF&G. 2015j. Arctic Grayling (*Thymallus arcticus*): Species Profile. Accessed September 8, 2015.
<http://www.adfg.alaska.gov/index.cfm?adfg=arcticgrayling.main>
- ADF&G. 2015k. Northern Pike (*Esox lucius*): Species Profile. Accessed September 8, 2015.
<http://www.adfg.alaska.gov/index.cfm?adfg=northernpike.main>
- ADF&G. 2015l. Burbot (*Lota lota*): Species Profile Accessed September 8, 2015.
<http://www.adfg.alaska.gov/index.cfm?adfg=burbot.main>

- ADF&G. 2015m. Alaska's wildlife action plan, draft for public and agency review. August 1, 2015. Division of Wildlife Conservation, Juneau, AK.
- ADF&G. 2016. Invasive Species Overview.
<http://www.adfg.alaska.gov/index.cfm?adfg=invasive.main>.
- ADF&G. 2017. Dolly Varden Species Profile. Accessed February 3, 2017.
<http://www.adfg.alaska.gov/index.cfm?adfg=dollyvarden.main>
- ADHSS (Alaska Department of Health and Human Services). 2011a. Technical Guidance for Health Impact Assessment in Alaska, Version 1.0. Section of Epidemiology, Health Impact Assessment Program.
- ADHSS. 2011b. Fact Sheet: Mercury in Burbot (Lush) and Pike from the Middle Kuskokwim River Area – June 2, 2011.
- ADHSS. 2013. Donlin Hair Mercury Summary for Eight Communities. Draft Report.
- ADHSS. 2014. Fish Consumption Advice for Alaskans. A Risk Management Strategy to Optimize the Public's Health. Alaskan Scientific Advisory Committee for Fish Consumption, Section of Epidemiology, Division of Public Health, Department of Health and Social Services, State of Alaska. Available online at:
<http://dhss.alaska.gov/dph/Epi/eph/Documents/fish/FishConsumptionAdvice2014.pdf>
- ADHSS. 2015 Technical Guidance for Health Impact Assessment in Alaska. Version 2.0. Prepared by State of Alaska Health Impact Assessment Program, Department of Health and Social Services. 59 pp.
- ADNR (Alaska Department of Natural Resources). 1986. Engineering Geology Technical Feasibility Study Makushin Geothermal Power Project Unalaska, Alaska. Division of Geological and Geophysical Surveys. Public Data File 86-60.
- ADNR–DOG (ADNR–Division of Oil and Gas). 2013. Petroleum Systems Integrity Office. Accessed October 28, 2013. <http://dog.dnr.alaska.gov/PSIO/PSIOHome.htm>
- ADNR. 1988. Kuskokwim Area Plan for State Lands. Division of Mining, Land and Water Management.
- ADNR. 1991. Susitna Basin Recreation Rivers Management Plan. Division of Land; Land and Resources Section.
- ADNR. 2001. Kenai Area Plan. Division of Mining, Land and Water.
- ADNR. 2005. Guidelines for Cooperation with the Alaska Dam Safety Program, Dam Safety and Construction Unit, Water Resources Section. Division of Mining, Land and Water. June 30, 2005.
- ADNR. 2007. State Agency Response to Public Comments on Draft Authorizations for the Fort Knox Heap Leach Project. July 3, 2007.
- ADNR. 2008. Southeast Susitna Area Plan for State Lands. Division of Mining, Land and Water.
- ADNR. 2009a. Cook Inlet areawide oil and gas lease sale: Final finding of the Director. January 20, 2009. Chapter Six: Oil and Gas in Cook Inlet.

- ADNR. 2009b. Fact Sheet: Material Sales in Alaska. Division of Mining, Land and Water. February 2009. 2 pp.
- ADNR. 2009c. Fact Sheet: Vacation of Section-Line Easements Under a Local Platting Authority. Division of Mining, Land and Water.
- ADNR. 2009d. Alaska's Outdoor Legacy: Statewide Comprehensive Outdoor Recreation Plan (SCORP) 2009-2014. Division of Parks and Outdoor Recreation (Alaska State Parks).
- ADNR. 2010. History of ADNR Management of Ice Road Construction and Impacts of Different Methods of Ice Road Construction. Arctic Ice and Snow Roads 2010 Conference: Advancements and Future Needs. http://www.itsalaska.org/Ice2010_Program.html.
- ADNR. 2011a. Fact Sheet: Generally Allowed Uses on State Land. Division of Mining, Land, and Water. August 2011. Accessed March 2015. http://dnr.alaska.gov/mlw/factsht/land_fs/gen_allow_use.pdf.
- ADNR. 2011b. Susitna Matanuska Area Plan. Division of Mining, Land and Water.
- ADNR. 2013a. State Navigable Waters. Division of Mining Land and Water. http://dnr.alaska.gov/mlw/nav/map_disclaimer.htm.
- ADNR. 2013b. ANCSA 17(b) Easements Information. Accessed September 16, 2013. <http://dnr.alaska.gov/mlw/trails/17b/>
- ADNR. 2013c. Well Log Tracking System (WELTS) database and GIS layers: Wells_ADNR_WELTS and Subsurface_Water_Rights_pt. Accessed October 2013. <http://dnr.alaska.gov/mlw>
- ADNR. 2013d. Fact Sheet: Title: RS 2477 Rights-of-Way. Division of Mining, Land and Water.
- ADNR. 2013e. GIS layers: Surface_Water_Rights_pt, Surface_Water_Rights_py, Instream_Flow_Reservations_In, Instream_Flow_Reservations_pt, Instream_Flow_Reservations_py, Surface_Temporary_Water_Use_Permit_pt. Accessed October 2013.
- ADNR. 2014a. Exterior Quarantine of Aquatic Invasive Weeds. Division of Agriculture, ADNR, Palmer, AK. Accessed September 2015. <http://dnr.alaska.gov/ag/Index/ExteriorQuarantineofAquaticInvasiveWeeds.pdf>
- ADNR. 2014b. Memorandum: Status of the Petroleum Systems Integrity Office. Commissioner Joe Balash. July 18, 2014. http://dnr.alaska.gov/commis/pco/documents/PSIO/PSIO_Memo_Signed.pdf
- ADNR. 2014c. Alaska Mine Permitting Process – Financial Assurances. Presentation by ADNR at Donlin Gold Project EIS Cooperating Agency meeting on January 29, 2014. 20 pp.
- ADNR. 2015a. Phase I State of Alaska comments, Donlin Gold PDEIS. June 8, 2015.
- ADNR. 2016. Invasive Plants and Agricultural Pest Management. <http://plants.alaska.gov/invasives/index.htm>.
- ADNR. 2016b. Determination of Eligibility for Sites Recorded for the Donlin Gold Project. SHPO State Historic Preservation Office. May 23, 2016.

- ADNR. 2016c. Determination of Eligibility for Sites Recorded for the Donlin Gold Project. SHPO State Historic Preservation Office. October 25, 2016.
- ADNR. 2017. RS 2477 Trails Search Menu. RS2477 Casefile Search. Accessed March, 2017. http://www.knikriver.alaska.gov/mlw/trails/rs2477/rst_srch.cfm
- ADNR. 2017b. Permitting Large Mine Projects in Alaska. Alaska Department of Natural resources, Office of Project Management and Permitting. 6 pp. Available online at: http://dnr.alaska.gov/mlw/mining/largemine/lmptprocess2017rev_km.pdf
- ADOL (Alaska Department of Labor and Workforce Development). 2009. Alaska Gasline Inducement Act Training Strategic Plan: A Call to Action. Anchorage, AK.
- ADOL. 2013a. Research & Analysis Division. Alaska Local and Regional Information (ALARI). Accessed September 23, 2013. <http://labor.alaska.gov/research/alari/>
- ADOL. 2013b. Research & Analysis Division. Yukon Delta Region Fishing and Seafood Industry Data. Accessed October 15, 2013. <http://laborstats.alaska.gov/seafood/seafoodyukon.htm>
- ADOL. 2013c. Research & Analysis Division. Income Data for Alaska and US Accessed October 10, 2013. <http://laborstats.alaska.gov/income/income.htm>
- ADOL. 2013d. Research & Analysis Division. Current Quarterly Census of Employment and Wages (QCEW). Accessed October 10, 2013. <http://laborstats.alaska.gov/qcew/qcew.htm#>
- ADOL. 2013f. Alaska Economic Trends: The Yukon-Kuskokwim Delta October, 2013.
- ADOL. 2014. Research and Analysis Section. Residency Status of Alaska's Workers – 2012. Juneau, AK.
- ADOL. 2014b. Alaska Population Projections 2012 to 2042. Alaska Department of Labor and Workforce Development, Research and Analysis Section.
- ADOL. 2015. Research & Analysis Division. Alaska Local and Regional Information (ALARI). Accessed March 29, 2017. <http://live.laborstats.alaska.gov/alari/>
- ADOL. 2016. Annual Unemployment Rates for Alaska and US 2010 to 2016. Accessed March 29, 2017. <http://live.laborstats.alaska.gov/labforce/>
- ADOL. 2017a. Gauging Alaska's Economy. Alaska Economic Trends. Published by the Alaska Department of Labor & Workforce Development. August 2017. Pgs 14-17
- ADOL. 2017b. Gauging Alaska's Economy. Alaska Economic Trends. Published by the Alaska Department of Labor & Workforce Development. September 2017. Pgs 14-17
- ADOT&PF. 2002. Yukon-Kuskokwim Delta Transportation Plan.
- ADOT&PF. 2004. Standard Specifications for Highway Construction. <http://www.dot.state.ak.us/stwddes/dcspcs/index.shtml>. 432 Pp.
- ADOT&PF. 2011. Crooked Creek Airport Layout Plan. Approved by FAA on January 24, 2011.
- AECOM. 2015a. Socio-Cultural Impacts to Subsistence Practices. Technical Report. Submitted to the US Army Corps of Engineers. March 2015. 26 pp.

- AECOM. 2015b. Technical Memorandum: Evaluation of Proposed Donlin Gold Tailings Storage Facility Dam with Respect to Mount Polley Tailings Dam Breach. Prepared for K. Gordon, US Army Corps of Engineers; from K. Fabian and N. Darigo, AECOM. June 3, 2015.
- AECOM. 2015c. Technical Memorandum: Selection of Tailings Spill Scenario, Donlin Gold Mine EIS. Prepared for K. Gordon, US Army Corps of Engineers; from T Brelsford, B Craig, and J Isaacs, AECOM. March 31, 2015.
- AECOM. 2015d. Technical Memorandum: Propeller Wash Scour. Prepared for the US Army Corps of Engineers. February 9, 2015. 14 pp.
- AECOM. 2015e. Technical Memorandum: Alternative 5A – Dry Stack: Evaluation of Donlin Gold Responses to RFAI #55 Regarding Seepage and Liners. Prepared for K. Gordon, US Army Corps of Engineers; from N Darigo, K Fabian, L Filipek, S Rusak (AECOM), and J Munter (JA Munter Consulting, Inc.). June 30, 2015.
- AECOM. 2015f. Ecological Risk Assessment (ERA) Addendum to ARCADIS 2013 ERA. 4 pp.
- AECOM. 2015g. Technical Memorandum: Donlin Gold Mine Project EIS – Wetland Chapter Comments on Dust Impacts. Lynn Noel, Cardno to Eave Every, AECOM. September 9, 2015.
- AECOM. 2016. Governance Capacity Technical Report. Donlin Gold Project Environmental impact Statement.
- AECOM. 2016a. Technical Memorandum: Review of Air Quality Models Used in Atmospheric Mercury Modeling for Donlin Gold Project. Prepared for N Darigo (AECOM), from J Chien (AECOM). November 16, 2016.
- AECOM. 2016b. Technical Memorandum: Mercury Flux Estimation from a Pit Lake. Prepared for N Darigo (AECOM), from J Chien (AECOM). December 13, 2016.
- AECOM. 2016c. Agenda, Technical Discussion Series On Mercury, Thursday, December 15, 2016. Attachments: 1-Selected Issue Summaries for Mercury Meeting Topics, 2-Location of Mercury Impacts in the DEIS, 3-Existing Methylmercury Data in Surface Water, Sediment, and Fish Tissue.
- AECOM. 2016d. Governance Capacity: Technical Report. Submitted to US Army Corps of Engineers, Alaska District. April 2016.
- AECOM. 2016e. Meeting Notes, Technical Meeting on Mine Water – Day 1: Groundwater Model and Related Issues, December 12, 2017.
- AECOM. 2016f. Meeting Notes, Technical Meeting on Mine Water – Day 2: Tailings Storage Facility and Dry Stack, December 13, 2017.
- AECOM. 2017a. Mine Site Emission Calculations. Adapted from Cardno 2015b and Air Sciences, Inc. 2015b. March 2017.
- AECOM. 2017b. Technical Memorandum: Review of EPA Comments on Donlin Gold Scope of Work for Human Health Risk Assessment (HHRA). Prepared for R. Darden, US Army Corps of Engineers; from B Craig, U Vedagiri, S Rusak, N Darigo, and J Knight (AECOM). March 6, 2017.

- AECOM. 2017c. Technical Memorandum: Solar Radiation in Mercury Emissions Model. Prepared for N Darigo (AECOM), from J Chien (AECOM). March 21, 2017.
- AECOM. 2017d. Technical Memorandum: Donlin Gold Project EIS – Response to: Enclosure 1. The US Fish and Wildlife Service Request for Spill Fate Analysis on the Kuskokwim River and Kuskokwim Bay. Prepared for R. Darden and S. Newman (USACE), from B. Craig (AECOM). February 16, 2017.
- AECOM. 2018. Technical Memorandum: Files Used to Calculate Lower and Upper CWD Water Chemistry, Donlin Gold Project EIS. Attachments: Lower CWD Rev3_LF_010418.xlsx and Footprint_LF_010418.xlsx. Prepared for N Darigo (AECOM), from L Filipek (AECOM). January 17, 2018.
- Afanasiev, VV. 2006. Brief Review of the Pipeline Construction in the Makarovskiy Region under the Sakhalin II Project (Operating and Environmental Issues). Committee for the Natural Resources and Environment, Sakhalin Region, 7 pp., September 1.
- AGA (Alaska Geographic Association). 2011. Iditarod Historic Trail Visitor Guide. Accessed August 18, 2015. https://www.alaskageographic.org/uploads/pdf/2011iditarod_1-12.pdf
- Agness, AM. 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.
- AGRA (AGRA Earth & Environmental). 1998. Hovercraft Impact Assessment: Fish and Wildlife Habitat Use at the Kuskokwim and Johnson Rivers. Submitted to Calista Elders Council. Anchorage, Alaska.
- AGRA. 1999. Donlin Creek Project, Initial Stream Sediment Study.
- Air Sciences Inc. 2014a. Air Quality Impacts Analysis Report, Donlin Gold Project, Alaska. Prepared for Donlin Gold, LLC. Project Number 281-14-2, 66 pp. July 2014.
- Air Sciences Inc. 2014c. Construction Phase Emissions Summary, Mine Site and Transportation Infrastructure. October 9, 2014.
- Air Sciences Inc. 2015a. Technical Memorandum: Summary of Particulate Deposition Modeling - Donlin Gold Project Access Road. Prepared for Donlin Gold, LLC. Project Number 281-15, July 9, 2015.
- Air Sciences Inc. 2015b. Air Quality Impacts Analysis Report, Donlin Gold Project, Alaska, August 2015.
- Air Sciences Inc. 2015c. Dry Stack Tailings Alternative Air Emission Calculations prepared by M Aloyo, May 28, 2015.
- Air Sciences Inc. 2015d. Fugitive Dust Control Plan, Donlin Gold Project, Alaska. Project No.281-15-2. October 2015.
- Air Sciences Inc. 2015e. Technical Memorandum: Unpaved Road Dust Control Efficiency from Chemical Suppressants. Prep. for Donlin Gold LLC, Project No. 281-15-2, February 27, 2015.

- Air Sciences Inc. 2016. Air Quality Impacts Analysis Report, Donlin Gold Project, Alaska. Prepared for Donlin Gold LLC, Project No. 281-16-2, February 2016.
- Airlines Inform. 2012. Bombardier Dash 8 Q300 Specifications. Accessed September 14, 2014. <http://www.airlines-inform.com/commercial-aircraft/Dash-8Q300.html>.
- AKEPIC (Alaska Exotic Plant Information Clearinghouse). 2015. Alaska Exotic Plant Information Clearinghouse database. Alaska Natural Heritage Program, University of Alaska, Anchorage. <http://aknhp.uaa.alaska.edu/maps/akepic/>
- Alaska Department of Public Safety. 2013a. Village Public Safety Officer Program. Accessed September 23, 2013. <http://www.dps.state.ak.us/ast/vpso/>
- Alaska Department of Public Safety. 2013b. Division of Alaska State Troopers. Accessed September 23, 2013. <http://www.dps.state.ak.us/ast/>
- Alaska Department of Revenue, Tax Division. 2013. Revenue Sources Book, Spring 2013. Juneau, AK.
- Alaska Department of Revenue, Tax Division. 2014. Revenue Sources Book, Fall 2014. Juneau, AK. Calista
- Alaska Dispatch News. 2014. Dinosaur tracks in Denali show generations traveled together in herds. Anchorage, Alaska, July 10.
- Alaska Dispatch News. 2015a. Akiak dog team nearly killed by rapid Kuskokwim River bank erosion. KYUK Public Media. Akiak, Alaska. September 23. Accessed September 24, 2015. <http://www.adn.com/article/20150923/akiak-dog-team-nearly-killed-rapid-kuskokwim-river-bank-erosion>.
- Alaska Dispatch News. 2015b. Fuel barge grounds in Southwest Alaska; company says vessel is built for it. June 5, 2015. Accessed October 2, 2015 at <http://www.adn.com/article/20150605/fuel-barge-grounds-southwest-alaska-company-says-vessel-builtit>
- Alaska Earthquake Information Center (AEIC). 2014. AEIC Earthquake Database Search, University of Alaska Fairbanks. Accessed January 2014. http://www.aeic.alaska.edu/html_docs/db2catalog.html.
- Alaska Fire Service. 2013. Welcome to the Alaska Fire Service. Accessed September 23, 2013. <http://fire.ak.blm.gov/afs/>
- Alaska Interagency Coordination Center. 2013. Welcome to the Alaska Interagency Coordination Center. Accessed September 23, 2013. <http://fire.ak.blm.gov/aicc.php>
- Alaska Journal. 2013. Cook Inlet RCAC is recertified by Coast Guard. <http://www.alaskajournal.com/Alaska-Journal-of-Commerce/September-Issue-1-2013/Cook-Inlet-RCAC-is-recertified-by-Coast-Guard/>. Accessed October 20, 2013.
- Alaska Local Boundary Commission. 1997. Model Borough Boundaries. Anchorage, AK.
- Alaska Local Boundary Commission. 2000. Background on Boroughs in Alaska. Anchorage, AK.
- Alaska Local Boundary Commission. 2001. The Need to Reform of State Laws Concerning Borough Incorporation and Annexation. Anchorage, AK.

- Alaska Local Boundary Commission. 2007. Local Boundary Commission Report to the First Session of the Twenty-Fifth Alaska Legislature. Anchorage, AK.
- Alaska Permanent Fund Corporation. 2013. Home. Accessed August 8, 2013. <http://www.apfc.org/home/Content/home/index.cfm>
- Alaska Permanent Fund Corporation. 2017. Fund Market Value. Accessed September 28, 2017. <http://www.apfc.org/home/Content/home/index.cfm>
- Alaska Public Media. 2014. Donlin Gold and the Kuskokwim Corporation sign long-term land-use deal. Accessed August 5, 2014. <http://www.alaskapublic.org/2014/06/30/donlin-gold-and-the-kuskokwim-corporation-sign-long-term-land-use-deal>
- Alaska State Legislature. 2017. Bill History/ Action for Legislature. Accessed on April 24, 2017. <http://www.akleg.gov/basis/Bill/Detail/30?Root=SB18>
- Alaska Teacher Placement. 2013. Alaska School Districts. Accessed September 23, 2013. http://www.alaskateacher.org/alaska_school_districts.php
- Albert, M. 2013. Personal communication. Fishery Biologist I. Alaska Department of Fish and Game. November 20, 2013. Jennifer Anderson. URS.
- Aldrich, JW. 1981. A Stochastic Analysis of Some Existing Ice Thickness Data. The Northern Engineer 13(1):4-10.
- Aldrich, JW. 2015. Preliminary Analysis of Worst-Case Impact of Mining on Crooked Creek Channel Dimensions. Arctic Hydrologic Consultants (AHC) technical memorandum, Project: Donlin Gold EIS (AHC Project 15024). August 27, 2015. 2 pp.
- Aldrich, JW. 2016. Personal communication. Principal Hydrologic/River Engineer, Arctic Hydrologic Consultants. Discussion regarding regression equations, September 28, 2016. Nancy Darigo, AECOM.
- Alfaro, MC, JA Blatz, and J Graham. 2006. Geosynthetic Reinforcement for Embankments over Degrading Discontinuous Permafrost Subjected to Prestressing. Lowland Technology International 8(1):47-54.
- Allan, JD. 1995. Stream Ecology: Structure and function of running waters. New York, NY; Chapman and Hall. 388 pp.
- Allen, BM and RP Angliss. 2012. Technical Memorandum: Alaska Marine Mammal Stock Assessments, 2011. U. S. Department of Commerce, National Oceanic and Atmospheric Administration. Technical Memorandum No. NMFS-AFSC-234. 288 pp.
- Allen, BM and RP Angliss. 2013. Technical Memorandum: Alaska Marine Mammal Stock Assessments, 2012. US Department of Commerce, National Oceanic and Atmospheric Administration Technical Memorandum No. NMFS-AFSC- 245. 282 pp.
- Allen, BM and RP Angliss. 2015. Technical Memorandum: Alaska Marine Mammal Stock Assessments, 2014. US Department of Commerce, National Oceanic and Atmospheric Administration Technical Memorandum No. NMFS-AFSC-301, 304 pp. DOI: 10.7289/V5NSORTS.
- Alt, KT. 1973. Contributions to the Biology of the Bering Cisco (*Coregonus laurettae*) in Alaska. Alaska Department of Sport Fish, Fairbanks, AK. 5 pp.

- Alt, KT. 1979. Contributions to the life history of the humpback whitefish in Alaska. Transactions of the American Fisheries Society. 108:156–160.
- AMEC (AMEC Americas Limited). 2009. Donlin Creek Gold Project, Alaska, USA. NI 43-101 Technical Report. 222 pp. April 2009.
- AMEC. 2012. Donlin Creek Gold Project, Alaska, USA, NI 43-101 Technical Report on Second Updated Feasibility Study. Prepared by T Lipiec, G Seibel and K Hanson at AMEC Americas Limited. Vancouver, BC.
- AMEC. 2013. Donlin Gold Project, River Barge Fleet Design and Operation. Project No: 173260. July 2, 2013.
- AMEC. 2014. Donlin Gold Project, River Barge Fleet Design and Operation Addendum No. 1, An Analysis of Available Channel Depths and Widths at Critical Sections of the Kuskokwim River. Prepared for Donlin Gold LLC. Project No. 173260. February 19, 2014.
- American Bird Conservancy. 2013. Collisions. Accessed October 18, 2012. <http://collisions.abcbirds.org/collisions.html>.
- AMNWR (Alaska Maritime National Wildlife Refuge). 2007. Environmental Assessment for restoring wildlife habitat on Rat Island. Alaska Maritime National Wildlife Refuge Aleutian Islands Unit, Homer. Alaska. 151 pp. http://www.fws.gov/uploadedFiles/Region_7/NWRS/Zone_1/Alaska_Maritime/PDF/rat_assessment_508.pdf
- AMS (American Meteorological Society). 2013. Glossary of Meteorology. Accessed September 25, 2013. <http://glossary.ametsoc.org/?id=climate-change1>
- AN EpiCenter. 2009. Alaska Native Health Status Report, Alaska Native Epidemiology Center, Alaska Native Tribal Health Consortium, August.
- Anchor QEA, LLC. 2009. Armor Layer Design Appendix, Onondaga Lake. Draft Onondaga Lake Capping and Dredge Area and Depth Initial Design Submittal. Prepared for Honeywell Parsons. December 2009.
- Anchorage Daily News. 2010. Donlin Prospect Operators Agree to Deal with Calista. Accessed October 26, 2013. <http://www.adn.com/2010/03/07/1172897/donlin-prospect-operators-agree.html>.
- Anderson, MP and JA Munter. 1981. Seasonal reversals of groundwater flow around lakes and the relevance to stagnation points and lake budgets. Water Resources Research 17:1139–1150.
- Anderson, MP and WW Woessner. 2002. Applied groundwater modeling: simulation of flow and advective transport, Edition 1. Academic Press, an imprint of Elsevier, 525B Street, Suite 1900, San Diego CA 92101-4495. 381 pp.
- Anderson, T. 2013. Alaska Business Monthly's 2013 Top 49ers: Blockbusters of Business. Alaska Business Monthly 29(10):92-125.

- Andrusiak, L, S Hilton, and B Yates. 2015. Appendix G: Terrestrial Wildlife and Vegetation. June 3, 2015. *In* Mount Polley Mining Corporation Post-Event Environmental Impact Assessment Report. Prepared by Golder Associates, Ltd. for Mount Polley Mining Corporation, Likely, BC, Canada. Available online at <https://www.imperialmetals.com/assets/docs/mt-polley/2015-06-18-MPMC-AA1.pdf>
- ANTHC (Alaska Native Tribal Health Consortium). 2011. Anchorage and Mat-Su Regional Health Profile. Alaska Native Epidemiology Center. December. Website: <http://www.anthc.org/chs/epicenter>. Accessed March 2014.
- ANTHC. 2012. Kenai Regional Health Profile. Alaska Native Epidemiology Center. February. Website: http://www.anthctoday.org/epicenter/assets/RHPs/kenaiRHP_2012.pdf
- ANTHC. 2013. Statewide Data Life Expectancy. Alaska Native Epidemiology Center. Website: http://www.anthctoday.org/epicenter/assets/data/statewide/life_expectancy_statewide_7_31_13.pdf
- ANTHC. 2015. Local Environmental Observer (LEO) Network: Yukon-Kuskokwim, Interior, and Southcentral Region Maps. www.anthc.org/chs/ces/climate/leo
- Antonelis, GA, SR Melin, and YA Bukhtiyarov. 1994. Early Spring Feeding Habits of Bearded Seals (*Erignathus barbatus*) in the Central Bering Sea, 1981. *Arctic* 47:74-79.
- Atonson, JM, and Lewis, D. 2016. Iditarod Trail National Register of Historic Places Multiple Property Documentation Form NRIS # 64501270. August 5, 2016.
- API (American Petroleum Institute). 2013. API Standard 650, Welded Tanks for Oil Storage. (12th edition). March 2013. 498 pp.
- APLIC (Avian Power Line Interaction Committee), Edison Electric Institute, and Raptor Research Foundation. 1996. Suggested Practices for Raptor Protection on Power Lines: The State of the Art in 1996.
- APLIC. 2006. Suggested Practices for Avian Protection on Power Lines: The State of the Art in 2006. Edison Electric Institute, APLIC, and the California Energy Commission. Washington, DC and Sacramento, CA.
- APLIC. 2012. Reducing Avian Collisions with Power Lines: The State of the Art in 2012. Edison Electric Institute and APLIC. Washington, DC.
- Aquanty. 2013, as cited in BGC 2015d. HGS 2013: HydroGeoSphere User Manual, Release 1.0 (Rev.1482). Aquanty Inc., Waterloo, ON, 459 p.
- Aquanty. 2017. HydroGeoSphere (HGS), Featured and Recent Publications, Case Studies. Accessed Oct.13, 2017. <http://www.aquanty.com>.
- ARCADIS (ARCADIS US, Inc.). 2007a. Kuskokwim River Erosion Study. February 16, 2007. CO001194.0003. Prepared for Donlin Creek Joint Venture, Anchorage, Alaska. 16 pp.
- ARCADIS. 2007b. DRAFT - Donlin Creek Project Stream Sediment Analysis Report. Prepared for Barrick Gold Corporation. November 2007.
- ARCADIS. 2007c. Baseline Mercury in Vegetation, Soil, and Stream Sediment, Donlin Creek Project, Alaska. Ref. CO001194.0001.00001, March 2007.

- ARCADIS. 2008a. DRAFT - Mercury/Metals Sediment 2008 Report, Donlin Creek Project, Alaska. Prepared for Barrick Gold Corporation, Donlin Creek Joint Venture. September 2008.
- ARCADIS. 2008b. DRAFT 2008 Spring Wildlife Study Donlin Creek Project.
- ARCADIS. 2011a. 2010 FINAL Donlin Creek Natural Gas Pipeline Habitat Report v2.0.
- ARCADIS. 2011b. Donlin Creek Final 2010 Avian Survey Report, Donlin Creek Project ARCADIS Alaska. Anchorage, AK. 69 pp.
- ARCADIS. 2012a. GIS layers for Crooked Creek and Pipeline Watersheds: DG119.mxd, 09/10/12, R03 and DG226.mxd, 09/12/12, R02.
- ARCADIS. 2012b. Water Quality Characterization Report, Summary of Baseline Data 2005-2010. Prepared for Donlin Gold, LLC. March 28, 2012. 78 pp.
- ARCADIS. 2012c. Donlin Gold, LLC, Ambient Baseline Noise Monitoring Report, Proposed MP-5 Gasline Compressor Station. Matanuska-Susitna Borough, AK.
- ARCADIS. 2012d. 2012 Avian Point-Count and Raptor Survey Donlin Gold Project. November 2012.
- ARCADIS. 2012e. 2012 Aerial Raptor Survey Donlin Gold Natural Gas Pipeline Study. August 2012.
- ARCADIS. 2012f. Visual Resource Impact Assessment – Final. Prepared for Donlin Gold LLC. Anchorage, AK. 53 pp.
- ARCADIS. 2013a. Environmental Evaluation Document, Donlin Gold Project. Prepared for Donlin Gold, LLC. May 2013.
- ARCADIS. 2013b. Ecological Risk Assessment (ERA) for the Proposed Future ACMA Pit Lake. Prepared for Donlin Gold, LLC. January 15, 2013.
- ARCADIS. 2014. Assessment of Mercury Fate in the Environment from Changes in Atmospheric Deposition. Prepared by ARCADIS for Donlin Gold, LLC. June. 196 pp.
- Arctic Climate Impact Assessment (ACIA). 2004. Impacts of a Warming Arctic: Arctic Climate Impact Assessment. Cambridge University Press, Cambridge, UK. 140 p.
- Arctos Database. 2017. ARCTOS cooperatively managed specimen database, facilitated by the University of Alaska Fairbanks and University of California Davis.
<http://arctos.database.museum/> Accessed January 26, 2017
- Arlinghaus, R, C Engelhardt, A Sukhodolov, and C Wolter. 2002. Fish recruitment in a canal with intensive navigation: Implications for ecosystem management. *Journal of Fish Biology* 61:1386-1402.
- Armstrong, H. 2010. Alaska Potential Fossil Yield Classification (PFYC) List.
"AK_PALEO_PFYC_DRAFT_LIST_HJA" – an excel file with condensed notes on Alaska geologic formations and known paleontological localities. On file, BLM Alaska and Colorado State Offices.
- Armstrong, RH. 1995. Guide to the Birds of Alaska. 4th Edition. Alaska Northwest Books. Copyright 1980, 1983, 1990, 1995 Robert H. Armstrong.

- Arp, CD and T Simmons. 2012. Analyzing the Impacts of Off-Road Vehicle (ORV) Trails on Watershed Processes in Wrangell-St. Elias National Park and Preserve, Alaska. *Environmental Management* 49:751-766.
- ASCE (American Society of Civil Engineers). 2006. Minimum Design Loads for Buildings and Other Structures. Standards ASCE/SEI 7-05, 426 pp.
- ASG (Alaska Shorebird Group). 2008. Alaska Shorebird Conservation Plan. Version II. Alaska Shorebird Group, Anchorage, AK.
- Ashley, PM, D Craw, and M Tighe. 2005. Mobilization and Dispersal of Antimony From Antimony-gold Mineral Deposits in Circumneutral pH Waters: Environmental Consequences in Australasia. Presented at the International Sb Workshop in Heidelberg, Germany. May 2005.
- ASHSC (Alaska Seismic Hazards Safety Commission). 2012. Annual Report to the Governor and State Legislature. February 2012.
- Athey, J, L Harbo, P Lasley, and L Freeman. 2013. Alaska's Mineral Industry 2012. Alaska Department of Natural Resources, Division of Mining, Land & Water. Anchorage, AK.
- Atkinson, RW, IM Carey, AJ Kent, TP van Staa, HR Anderson, and DG Cook. 2013. Long-Term Exposure to Outdoor Air Pollution and Incidence of Cardiovascular Diseases. *Epidemiology*, 24:44-53.
- ATSDR (Agency for Toxic Substances and Disease Registry). 1995. Toxicological Profile for Fuel Oils. Atlanta, GA. US Department of Health and Human Services, Public Health Service. <http://www.atsdr.cdc.gov/toxprofiles/tp75-c3.pdf>.
- ATSDR. 1999. Toxicological profile for mercury (Update). US Department of Health and Human Services, Agency for Toxic Substances and Disease Registry.
- ATSDR 2003. Analysis of Hair Samples: How Do Hair Sampling Results Relate to Environmental Exposures?. Available online at: https://www.atsdr.cdc.gov/HAC/hair_analysis/03-0330HairSampleTesting-Scientific.pdf
- ATSDR. 2006. Cyanide. US Department of Health and Human Services, Public Health Service. <http://www.atsdr.cdc.gov/toxprofiles/tp8.pdf>
- ATSDR. 2012. Toxicological Profile for Chromium. U.S. Department of Health and Human Services. Public Health Service. ATSDR. September.
- ATSDR. 2014. Medical Management Guidelines for Mercury. Accessed July 2014. <http://www.atsdr.cdc.gov/mmg/mmg.asp?id=106&tid=24>
- Audubon. 2015. Important Bird Areas. Accessed November 2015. <http://ak.audubon.org/important-bird-areas-4>
- Auerbach, NA, MD Walker, and DA Walker. 1997. Effects of Roadside Disturbances on Substrate and Vegetation Properties in Arctic Tundra. *Ecological Applications* 7:218-235.
- Ausdahl, D. 2013. Personal communication. Northweb Marine and Kuskokwim Lighterage-Trucking. November 26, 2013. Katrina Moss. URS.

- AVO (Alaska Volcano Observatory). 2013a. Historic Eruptions, Various Volcanoes. Accessed November 4, 2013. <http://www.avo.alaska.edu/volcanoes/activity>
- AVO. 2013b. Makushin-Historic Eruptions, Accessed November 4, 2013. <http://www.avo.alaska.edu/volcanoes/activity>
- AYKSSI (Arctic-Yukon-Kuskokwim Sustainable Salmon Initiative). 2006. Arctic-Yukon-Kuskokwim Salmon Research and Restoration Plan. Bering Sea Fishermen's Association, Anchorage, AK.
- Azevedo, R and E Rodriguez. 2012. Phytotoxicity of Mercury in Plants: A Review. *Journal of Botany*, 2012.
- Bailey A. 2017. Oil & Gas still underpins AK economy. *Petroleum News*. Week of October 1, 2017.
- Bailey, EA and JE Gray. 1997. Mercury in the Terrestrial Environment, Kuskokwim Mountains Region, Southwestern Alaska. *Geologic studies in Alaska by the US Geological Survey. Professional Paper 1574*, pp 41-56. <http://137.229.113.30/webpubs/usgs/p/text/p1574.pdf>
- Baird, RW and PJ Stacey. 1988. Variation in saddle patch pigmentation in populations of killer whales (*Orcinus orca*) from British Columbia, Alaska, and Washington State. *Can J Zool* 66:2582-2585.
- Baird, RW, PA Abrams, and LM Dill. 1992. Possible indirect interactions between transient and resident killer whales: implications for the evolution of foraging specializations in the genus *Orcinus*. *Oecologia* 89:125-132.
- Bamford, AR, SJF Davies, and R van Delft. 1990. The Effects of Model Power Boats on Waterbirds at Herdsman Lake, Perth, Western Australia. *Emu* 90:260-265.
- Barber, JR, KR Crooks and KM Fristrup. 2010. The costs of chronic noise exposure for terrestrial organisms. *Trends in Ecology & Evolution* 25:80-189.
- Barlow, J, J Calambokidis, EA Falcone, CS Baker, AM Burden, PJ Clapman, JKB Ford, CM Gabriele, R LeDuc, DK Mattila, TJ Quinn II, L Rojas-Bracho, JM Straley, BL Taylor, J Urbán R, P Wade, D Weller, BH Witteveen, and M Yamaguchi. 2011. Humpback whale abundance in the North Pacific estimated by photographic capture-recapture with bias correction from simulation studies. *Marine Mammal Science* 27(4):793-818.
- Barrett, J, GD Grossman, and J Rosenfeld. 1992. Turbidity Induced Changes in Reactive Distance of Rainbow Trout. *Transactions of the American Fisheries Society* 121:437-443.
- Barrick Gold. 2009. Donlin Creek Project Water Quality Monitoring and Data Management Procedures Manual.
- Bart, J and V Johnston, editors. 2012. Arctic Shorebirds in North America. A Decade of Monitoring. *Studies in Avian Biology* No. 44.
- Baumgartner, MF, NSJ Lysiak, HC Esch, AN Zerbini, CL Berchok, and PJ Clapham. 2013. Associations between North Pacific right whales and their zooplanktonic prey in the southeastern Bering Sea. *Mar Ecol Prog Ser* 490:267-284.

- Bay, C. 1997. Effects of Experimental Spills of Crude and Diesel Oil on Arctic Vegetation. A Long-term Study on High Arctic Terrestrial Plant Communities in Jameson Land, Central East Greenland. National Environmental Research Institute, Denmark. NERI Technical Report No. 205, 44. Accessed August 13, 2014. <http://www.dmu.dk>
- Beals, M, L Gross, and S Harrell. 2000. Diversity Indices. Accessed November 11, 2011. <http://www.tiem.utk.edu/~gross/bioed/bealsmodules/shannonDI.html>
- Begét, JE, C Gardner, and K Davis. 2008. Volcanic Tsunamis and Prehistoric Cultural Transitions in Cook Inlet, Alaska. *Journal of Volcanology and Geothermal Research* 176:377-386.
- Begét, JE, CJ Nye, and KW Bean. 2000. Preliminary Volcano-Hazard Assessment for Makushin Volcano, Alaska. Alaska Division of Geological and Geophysical Surveys. Report of Investigations 2000-4, 22 pp.
- Beikman, H.M. 1980. Geologic Map of Alaska. U.S. Geological Survey, 1 sheet, scale 1:2,500,000.
- Bengtson, JL, LM Hiruki-Raring, MA Simpkins, and PL Boveng. 2005. Ringed and bearded seal densities in the eastern Chukchi Sea, 1999-2000. *Polar Biology* 28:833-845.
- Bennett, JF. 2013. Highway Rights-of-Way in Alaska. Alaska Department of Transportation and Public Facilities. Northern Region.
- Benoit, JM, CC Gilmour, RP Mason, and A Heyes. 1999. Sulfide controls on mercury speciation and bioavailability to methylating bacteria in sediment pore waters. *Environmental Science & Technology* 33(6):951-957.
- Benoit, J.M., C.C. Gilmour, and R.P. Mason. 2001. The influence of sulfide on solid phase mercury bioavailability for methylation by pure cultures of *Desulfobulbus propionicus* (1pr3). *Environmental Science & Technology* 25: 127-132.
- Bent, AC. 1987. Life histories of North American waterfowl. Two parts bound as one. Dover Publications, Inc., New York.
- Berg, EE, K McDonnell Hillman, R Dial, and A DeRuwe. 2009. Recent woody invasion of wetlands on the Kenai Peninsula Lowlands, southcentral Alaska: a major regime shift after 18,000 years of wet Sphagnum-sedge peat recruitment. *Can. J. For. Res.* 39:2033-2046.
- Berger, TR. 1985. *Village Journey*. New York: Hill and Wang.
- Berkes, F. 1999. *Sacred Ecology: Traditional Ecological Knowledge and Resource Management*. Philadelphia, PA; Taylor & Francis.
- Berndt, ME and TK Bavin. 2012. Methylmercury and dissolved organic carbon relationships in a wetland rich watershed impacted by elevated sulfate from mining. *Environmental Pollution*. 161:321-327.
- Berry, RF. 1988. Disturbance to tundra swans by barge and boat Traffic. *Loon*. 60:92.
- Bethel Native Corporation. 2013. Home. Accessed September 27, 2013. <http://bethelnativecorp.org/>

- Bethel Native Corporation. 2014. Letter from Anastasia Hoffman, President, Chief Executive Officer, Bethel Native Corporation, to Alaska District, US Army Corps of Engineers, Regulatory Division, Attn. Mike Holley, North Section Chief, regarding Reference Number: POA-2014-64, Kuskokwim River, Bulkhead Permit Application.
- Bethel Planning Department. 1983. Bethel Coastal Management Plan. City of Bethel. www.gpo.gov/fdsys/pkg/CZIC-ht393-a42-b48-1983, accessed October 19, 2017.
- Betts, R. 1985. Archaeological Reconnaissance in the Kuskokwim Mountains, Alaska. Miller Ridge Site--IDT-047. Report on file, University of Alaska, Fairbanks, AK.
- BGC (BGC Engineering Inc.). 2005. Pre-Feasibility Study, Donlin Creek Gold Mine Geotechnical and Hydrogeological Site Investigation Report.
- BGC. 2006. Donlin Creek Memorandum: Donlin Creek Permafrost Distribution.
- BGC. 2007a. Conceptual Hydrogeological Model Final Report, Project Feasibility Study. Prepared for the Donlin Creek Joint Venture. Final Report. September 2007.
- BGC. 2007b. Donlin Creek Gold Project Feasibility Study, Open Pit Slope Design, Final Report – Appendix VI Overall Slope Analysis. Prepared for Donlin Creek Joint Venture. September 21, 2007.
- BGC. 2007c. Evaluation of Potential Barge Induced Bank Erosion – Kuskokwim River. Project No. 0011-076. Prepared by BGC Engineering Inc. for Barrick Gold Corp. 28 pp.
- BGC. 2009a. Donlin Creek Gold Project Feasibility Update II, 2009 Site Investigation Final Report. November 2009.
- BGC. 2009b. Unpublished Donlin Gold Temperature Data. May 2009.
- BGC. 2009c. Unpublished Donlin Gold Temperature Data. June 2009.
- BGC. 2010. Donlin Creek Gold Project Feasibility Study Update II, 2010 Site Investigation. July 2010.
- BGC. 2011a. Tailings Storage Facility Design, Donlin Creek Gold Project, Feasibility Update II. Prepared for Donlin Creek LLC, Document No. DC11-025. July 22, 2011.
- BGC. 2011b. Waste Rock Facility Design. Final Report. Donlin Creek Gold Project, Feasibility Study Update II. Prepared for Donlin Creek LLC. 250 pp. July 22, 2011.
- BGC. 2011c. American Creek and Snow Gulch Contact and Fresh Water Dam Design. Final Report. Donlin Creek Gold Project, Feasibility Study Update II. Prepared for Donlin Creek LLC. 66 pp. July 22, 2011.
- BGC. 2011d. Donlin Creek Gold Project Feasibility Study Update II, Conceptual Hydrogeologic Model. Final Report. Document No. DC11-034. Prepared for Donlin Gold, LLC. July 22, 2011.
- BGC. 2011e. BGC Project Memorandum: Preliminary Haul Road Design Update. Donlin Creek, LLC.
- BGC. 2011f. Donlin Creek Gold Project Feasibility Study Update II. Hydro-Meteorological Data: Synthesis and Analysis. Final Report. Document No. DC11-033. Vancouver, BC.

- BGC. 2011g. Donlin Creek Gold Project Feasibility Study Update II, Water Management Plan. Final Report. Document No: DC11-032. Prepared for Donlin Creek, LLC. July 22, 2011.
- BGC. 2011h. Donlin Creek Gold Project Feasibility Study Update II – Numerical Hydrogeologic Model Results and Pit Dewatering Design. Final Report. Document No. DC11-036. Prepared by BGC Engineering Inc. for Donlin Creek LLC, Anchorage, AK. 207 pp.
- BGC. 2011i. Donlin Creek Gold Project Feasibility Study Update II, Numerical Hydrogeological Model Development and Calibration. Final Report. Document No: DC11-035. Prepared for Donlin Creek, LLC, July 22, 2011.
- BGC. 2011j. Donlin Creek Project Memorandum: Donlin Creek Predicted Changes to Streamflow. Vancouver, BC.
- BGC. 2011k. Open Pit Slope Design Addendum, Final Report. Donlin Creek Gold Project, Feasibility Study Update II. Prepared for Donlin Creek LLC. 31 pp. July 22, 2011.
- BGC. 2011l. Seismic Hazard and Design Ground Motions Assessment, Final Report. Donlin Creek Gold Project, Feasibility Study Update II. Prepared for Donlin Creek LLC., 20 pp. July 22, 2011.
- BGC. 2012a. Donlin Creek Gold Project – Hydrometric Stations: Data and Installation Summary (Draft). Vancouver, BC.
- BGC. 2012b. Donlin Creek Project Memorandum: Modified Water Management Strategy – Revision 1. July 19, 2012.
- BGC. 2012c. Water Balance Spreadsheet. Donlin WBM 11June2012 Closure.xlsx.
- BGC. 2013a. BGC Project Memorandum: Jones Creek Variant Revised Terrain Mapping. 7 pp. June 30, 2013.
- BGC. 2013b. Donlin Creek Gold Project. Project Memorandum – GAP Assessment Response Work Plan for Surface and Groundwater Hydrology. Vancouver, British Columbia, Canada.
- BGC. 2013c. Geotechnical Investigation for the Jones and Pretty Creek Variants, Donlin Gold Natural Gas Pipeline. 11 pp + appendices. October 25, 2013.
- BGC. 2013d. Memorandum: Gold Project Wind-Blown Snow Transport – Scoping Level Assessment. Design. Donlin Gold, LLC. Reference No. PM-0011153.0017. 16 pp. October 4, 2013.
- BGC. 2013e. BGC Project Memorandum: Regional and Site Snow Course Data. Donlin Gold, LLC. Reference No. PM-0011153.0008. 16 pp + appendices. May 14, 2013.
- BGC. 2013f. BGC Project Memorandum: Donlin Creek Predicted Changes to Streamflow – Revision 1. Prepared for Donlin Gold, LLC. April 29, 2013.
- BGC. 2013g. BGC Project Memorandum Tailings Storage Facility-Alternative Tailings Technologies and Layout Assessment, Revision B. Donlin Gold, LLC. Reference No. PM-0011148/0019. 18 pp. November 22, 2013.
- BGC. 2013h. Donlin Gold Project, Offsite Geotechnical Investigations, Final Report. Prepared for Recon LLC. Project No. 1232-002. November 28, 2013.

- BGC. 2013i. Evaluation of Potential Barge Induced Bank Erosion – Kuskokwim River. Donlin Creek project memorandum prepared for Barrick Gold Corp. January 9, 2013.
- BGC. 2013j. Terrain_Mapping_Polygons (Jones Only). GIS shapefile and database, terrain stability mapping for the Jones Creek Pipeline Variant.
- BGC. 2013k. Watercourse Characterization Proposed Jones Variant Pipeline. Donlin Gold Project. January 25, 2013.
- BGC. 2014a. Dry Stack Tailings Alternative, Donlin Gold Project. BGC Document No. ER-0011178.0037. 49 pp. July 18, 2014.
- BGC. 2014b. Design Memorandum: Water Resources Management Plan Interim Update, July 2014. Reference No. EN-0011178.0040. Project Number: 0011-178. Prepared for Donlin Gold, LLC. July 17, 2014.
- BGC. 2014c. Numerical Hydrogeologic Model, Donlin Gold Project. Prepared for Donlin Gold, LLC. BGC Document No. ER-0011165.0029 A. 64 pp. July 18, 2014.
- BGC. 2014d. Donlin Gold Project – Review of Geological Faults in the Open Pit Area. Letter report to James Fueg. Donlin Gold, LLC. BGC Project No. 0011178-30. 8 pp. July 4, 2014.
- BGC. 2014e. Project Memorandum. Hydraulic Assessment of Proposed Jungjuk Port Facilities. Reference No. PM-0011165.025. February 28, 2014.
- BGC. 2014f. Donlin Gold Project, 2013 Pumping Tests at Crooked Creek, AK. Prepared for Donlin Gold, LLC. February 11, 2014.
- BGC. 2014g. Donlin Gold Project, Conceptual Hydrogeologic Model. Prepared for Donlin Gold, LLC. July 18, 2014.
- BGC. 2014h. Design Memorandum: Groundwater Isotopes Analysis. Reference No. ED-0011129.0039 Rev 1. Project Number 0011-165. Prepared for Donlin Gold, LLC. July 29, 2014.
- BGC. 2014i. BGC Project Memorandum – Donlin Gold Predicted Changes to Streamflow, Revision 2. Vancouver, British Columbia, Canada.
- BGC. 2014j. Design Memorandum: RFAI #53 “Pit Slope Stability and Lateral Erosion” Responses. Prepared for Donlin Gold LLC, REF: ED-0011178.0044, July 24, 2014.
- BGC. 2015a. Design Memorandum – WRMP: Excess Water Discharge, Flow Augmentation and Water Quality. Ref: EN-0011178.0057, February 10, 2015.
- BGC. 2015b. Memorandum: Interpreted Mine Site Dewatering Impacts to Wetlands. Reynold Chow and Randi Thompson, BGC, to Mike Rieser and Enric Fernandez, Donlin Gold. June 25, 2015.
- BGC. 2015c. Design Memorandum: Predicted Changes to Streamflow, Alternative 5D – Option 2. EN-0011186.0073. Hamish Weatherly to Donlin Gold. August 14, 2015.
- BGC. 2015d. Project Memorandum: Dry Stack Tailings Alternative (5A) Seepage Assessment. Prepared for Donlin Gold, REF: PM-0011186.0062, March 29, 2015, 21p p.
- BGC. 2015e. Project Memorandum: Dry Stack Tailings Alternative (5A) Lined Option Cost Estimate. Prepared for Donlin Gold, REF: PM-0011186.0065, May 28, 2015, 4 pp.

- BGC. 2015f. Design Memorandum: Water Resources Management Plan: Advanced Water Treatment. Prepared for Donlin Gold, Ref: EN-0011186-0064, June 12, 2015, 46 pp.
- BGC. 2015g. Project Memorandum: Numerical Hydrogeological Model – Closure Period Simulation for the AWT Option. PM-0011186.0074. August 14, 2015.
- BGC. 2015h. Design Memorandum: Predicted Changes to Streamflow, Advanced Water Treatment, Rev. 1. EN-0011186.0073. Hamish Weatherly to Donlin Gold. September 10, 2015.
- BGC. 2015i. Design Memorandum: RFAI #301 – Responses to Questions Regarding BGC’s Memo PM-0011186.0074. PM-0011186.0078 A. September 14, 2015.
- BGC. 2015j. Project Memorandum: Dry Stack Water Balance with Advanced Water Treatment. PM-0011186.0077. September 11, 2015.
- BGC. 2015k. Design Memorandum: Response to Requested Information from AECOM regarding Alternative 5A – Dry Stack. Prepared for Donlin Gold, REF: PM-0011186.0072rev1, July 28, 2015.
- BGC. 2015l. Project Memorandum: RFAI #58 “Pit Lake Hydrology, Post Closure” Responses. Hamish Weatherly to James Fueg, Donlin Gold. March 15, 2015.
- BGC. 2015m. Design Memorandum: Update to Potential Barge Induced Bank Erosion – Kuskokwim River, Rev. 1. REF: 0011186.0077. Hamish Weatherly to James Fueg, Donlin Gold. September 14, 2015.
- BGC. 2015n. Project Memorandum: Response to RFAI #62 Tailings Release Spill Scenarios. Prepared for Donlin Gold, REF: PM-0011186.0068, Rev. 3, August 12, 2015. 20 pp.
- BGC. 2015o. Project Memorandum: Tailings Beach Areas for Advanced Water Treatment Alternative. Reference Number PM-0011186.0067, May 27, 2015, 5 p.
- BGC. 2016a. Design Memorandum: Update to Potential Barge Induced Bank Erosion – Kuskokwim River, Rev. 2. REF: 0011186.0077. Hamish Weatherly to James Fueg, Donlin Gold. April 4, 2016.
- BGC. 2016b. Mine Water Technical Meeting, Groundwater Model related issues, December 12, 2016. Trevor Crozier presentation, Donlin Hydrogeology_BGC_12Dec2016.pdf.
- BGC. 2016c. Design Memorandum: Water Resources Management Plan – 2016 Update. Prepared for Donlin Gold, Ref: EN-0011209.0088, December 7, 2016.
- BGC. 2017a. Project Memorandum: RFAI #100 – Crooked Creek Underflow Capture Analysis Responses. Prepared for Donlin Gold, REF: PM-0011209.0092, February 9, 2017.
- BGC. 2017b. Project Memorandum: RFAI #102 – WRF Perched Aquifer Analysis Responses. Prepared for Donlin Gold, REF: PM-0011209.0094, February 3, 2017.
- BGC. 2017c. Project Memorandum: RFAI #103 – Rock Fracturing, Faulting, and Flow Analysis. Prepared for Donlin Gold, REF: PM-0011209.0095, February 27, 2017.
- BGC. 2017d. Project Memorandum: Email RFAI – Groundwater Model Calibration Details. Prepared for Donlin Gold, REF: PM-0011209.0097, February 24, 2017, 4 pp.

- BGC. 2017e. Project Memorandum: RFAI #98 – Intermediate and Regional Groundwater Flow Analysis. Prepared for Donlin Gold, REF: PM-0011209.0091, March 14, 2017, 31 pp.
- BGC. 2017f. Project Memorandum: RFAI #101 – Plan and Profile Evolution of Groundwater Near Pit Lake Responses. Prepared for Donlin Gold, REF: PM-0011209.0093, February 17, 2017.
- BGC. 2017g. Project Memorandum: RFAI #97 – Additional Wave Height Analysis. Prepared for Donlin Gold, REF: PM-0011209.0090, January 19, 2017.
- Bierbaum, R, A Lee, J Smith, M Blair, LM Carter, FS Chapin III, P Fleming, S Ruffo, S McNeeley, M Stults, L Verduzco, and E Seyller. 2014. Chapter 28: Adaptation, *in Climate Change Impacts in the United States: The Third National Climate Assessment*, JM Melillo, TC Richmond, and G W Yohe, editors, US Global Change Research Program. p. 670-706.
- Bilby RE, K Sullivan, and SH Duncan. 1989. The generation and fate of road-surface sediment in forested watersheds of southwestern Washington. *Forest Science* 35:453–468.
- Birkeland, KW, KJ Hansen, and RL Brown. 1995. The spatial variability of snow resistance on potential avalanche slopes, *Journal of Glaciology* 41(137):183-190.
- Bishop, C, B Keith, JG Williams, and E Hunsinger. 2007. Alaska Population Projections, 2007-2030. Alaska Department of Labor and Workforce Development, Research and Analysis Section. Juneau, Alaska.
- Bisson, PA and RE Bilby. 1982. Avoidance of suspended sediment by juvenile coho salmon. *North American Journal of Fisheries Management* 4:371-374.
- Bjørge, A and KA Tolley. 2009. Harbor porpoise *Phocoena phocoena*. In Perrin, WF, B Würsig, and HGM. Thewissen, editors. *Encyclopedia of Marine Mammals* (2nd edition). San Diego, CA; Academic Press. 1316 pp.
- Bjornn, TC and DW Reiser. 1991. Habitat requirements of salmonids in streams. Pages 83–138 in *Influences of Forest and Rangeland Management on Salmonid Fishes and Their Habitat*. W.R. Heehans, editor. *American Fisheries Society* 19:83-138.
- Blackwell, SB, JW Lawson, and MT Williams. 2004. Tolerance by ringed seals (*Phoca hispida*) to impact pipe-driving and construction sounds at an oil production island. *J Acoust Soc Am* 115(5):2346-2357.
- BLM (Bureau of Land Management). No Date. ANCSA 17(b) Easements. Access to Your Public Lands Brochure.
- BLM. 1981. Management Framework Plan: Southwest Planning Area. Anchorage District Office.
- BLM. 1982. The Iditarod NHT Comprehensive Management Plan: Seward to Nome Route, Volume 2 Resource Inventories. Accessed September 2013.
http://www.arlis.org/docs/vol2/Iditarod/INHT_1982_Resource_Inventory/II_-_Natural_&_Scenic_Resources.pdf
- BLM. 1986a. The Iditarod National Historic Trail: Seward to Nome Route – A Comprehensive Management Plan. US Department of Interior, Bureau of Land Management. Washington, DC.
- BLM. 1986b. The Visual Resource Management System (H-8410).

- BLM. 1998. H-8270-1 – General Procedural Guidance for Paleontological Resource Management. BLM Manual, Release 8-69. July 13.
- BLM. 2002a. Final Environmental Impact Statement for Renewal of the Federal Grant for the Trans-Alaska Pipeline System Right-of-Way. Washington, DC.
- BLM. 2002b. Mineral Materials Disposal, BLM Manual Handbook H-3600-1. Release 3-315. February 22, 2002.
- BLM. 2005a. United States Department of Interior, Bureau of Land management Land Use Planning Handbook (H-1601-1).
- BLM. 2005b. The Impact of Ice Roads and Ice Pads on Tundra Ecosystems, National Petroleum Reserve-Alaska. BLM-Alaska Open File Report 98: BLM/AK/ST-05/012+3130+971
- BLM. 2006. Ring of Fire: Proposed Resource Management Plan and Final Environmental Impact Statement. US Department of the Interior.
- BLM. 2007. Potential Fossil Yield Classification System. BLM Instruction Memorandum (im) No. 2008-009.
- BLM. 2008a. Special Recreation Permit Application Booklet.
- BLM. 2008b. Ring of Fire Record of Decision and Approved Management Plan. Accessed August 26, 2015. http://www.blm.gov/style/medialib/blm/ak/aktest/planning/ROF_ROD_2008.Par.26542.File.dat/ring_of_fire_rod_2008.pdf
- BLM. 2008c. Groundwater Modeling Guidance for Mining Activities, Information Memorandum (IM). NV-2008-035.
- BLM. 2009a. Section 17(b) Easement General Information. Accessed September 16, 2013. http://www.blm.gov/ak/st/en/prog/lands_realty/17b_easements.html.
- BLM. 2009b. Alaska Travel Management Guide. Accessed August 26, 2015. http://www.blm.gov/style/medialib/blm/ak/aktest/rec/rec_pdfs.Par.86803.File.dat/AKTravelMgmtGuide-Final.pdf
- BLM. 2010a. Instruction Memorandum No. AK-2010-018. BLM-Alaska Revised Sensitive Species List. May 18, 2010.
- BLM. 2010b. Instruction Memorandum No. AK-2010-018, Attachment 1. BLM-Alaska Sensitive Animal and Plant Lists.
- BLM. 2010c. Instruction Memorandum No. AK-2010-018, Attachment 3. BLM-Alaska Watch Lists.
- BLM. 2011. Instruction Memorandum No. 2011-154, Requirement to Conduct and Maintain Inventory Information for Wilderness Characteristics and to Consider Lands with Wilderness Characteristics in Land Use Plans. July 25, 2011.
- BLM. 2012a. Eastern Interior Draft Resource Management Plan and Environmental Impact Statement. US Department of the Interior.
- BLM. 2012b. Chapter 4: Administration of ANCSA 17(b) Easements. Department of the Interior Departmental Manual. Series: Public Lands. Part 601: Federal Areas within States.
- BLM. 2012c. Ring of Fire: Draft Resource Management Plan Amendment, Haines Block Planning Area. US Department of the Interior.

- BLM. 2012d. Management of National Scenic and Historic Trails and Trails under Study or Recommended as Suitable for Congressional Designation (6280).
- BLM. 2012e. Mercury, Arsenic, and Antimony in Aquatic Biota from the Middle Kuskokwim River Region, Alaska, 2010-2011. Bureau of Land Management, Alaska State Office. Prepared by: Angela Matz, Ph.D. Environmental Contaminants Program Fairbanks Fish and Wildlife Field Office. US Fish and Wildlife Service Fairbanks, AK.
http://www.blm.gov/pgdata/etc/medialib/blm/ak/aktest/fisheries.Par.17988.File.tmp/Interim_Mercury_Arsenic%20_Antimony_FT_Technical_Report_Dec2012v2.pdf
- BLM. 2013a. Instruction Memorandum No. 2013-106, BLM Manual No. 6310 and 6320. Additional Guidance Regarding Public and Cooperating Agency Involvement and Access to Wilderness Characteristics Inventory Information and the Land Use Planning Process. April 15, 2013.
- BLM. 2013b. BLM to Prepare Bering Sea – Western Interior Resource Management Plan. News Release No. 13-20. July 18, 2013.
- BLM. 2015a. Bering Sea-Western Interior Resource Management Plan - Wilderness Characteristics Inventory Report. BLM Alaska. Anchorage Field Office. February 2015. 97 pp.
- BLM. 2015b. Bering Sea-Western Interior Resource Management Plan - Wild and Scenic River Eligibility Determination Report. Anchorage Field Office. February 2015. 60 pp.
- BLM. 2015c. Bering Sea-Western Interior Resource Management Plan -Visual Resource Inventory. BLM Alaska, Anchorage Field Office. February 2015.
- BLM. 2015d. Agency Comments on the Preliminary Draft EIS, June 6, 2015.
- BLM. 2015e. BLM Travel and Transportation Management webpage. Accessed August 26, 2015.
<http://www.blm.gov/ak/st/en/prog/akcttm.html>
- BMC (Bethel Municipal Code). 2013. Chapter 18.32 Residential District – R District. Accessed October 7, 2013. <http://www.codepublishing.com/AK/bethel.html>.
- BMT Fleet Technology Ltd. 2007. Ice Mitigation Study for Donlin Creek Mine Tailings Pond. Prepared by G. Comfort, Ref. 6226C.FR, September, 2007. 62 p.
- BOEM (Bureau of Ocean Energy Management). 2012. 2012 – 2017 OCS Oil and Gas Leasing Program Final Programmatic EIS. US Department of Interior, Bureau of Ocean Energy Management. July 2012.
- Boggs, K, L Flagstad, T Boucher, A Steer, P Lema, B Bernard, B Heitz, T Kuo, and M Aisu. 2016b. Alaska ecosystems of conservation concern: Biophysical settings and plant associations. Alaska Center for Conservation Science, University of Alaska Anchorage, Anchorage, AK. 300 pp.
- Boggs, K, L Flagstad, T Boucher, T Kuo, D Fehringer, S Guyer, and M Aisu. 2016a. Vegetation Map and Classification: Northern, Western, and Interior Alaska. University of Alaska Anchorage, Alaska Natural Heritage Program, Alaska Center for Conservation Science. Second Edition - 2016. Anchorage, AK. 110 pp.

- Boggs, K, SC Klein, J Grunblatt, and B Koltun. 2003. Landcover classes, ecoregions and plant associations of Katmai National Park and Preserve. Natural Resource Technical Report. NPS/KATM/NRTR – 2003/001. US National Park Service, Natural Resource Stewardship and Science. Published Report-653906.
- Bonner, WN. 1982. Seals and Man: A Study of Interactions. Seattle, WA; University of Washington Press. 170 pp.
- BOR (Bureau of Outdoor Recreation). 1977. The Iditarod Trail (Seward-Nome Route) and other Alaskan Gold Rush Trails. Prepared by Bureau of Outdoor Recreation, Department of the Interior, Under the Authority of the National Trails System Act.
- Boreal Partners in Flight. 2010. Priority Species for Conservation. US Geological Survey Alaska Science Center. http://alaska.usgs.gov/science/biology/bpif/priority_spp.php
- Boreal Partners in Flight. 2014. Priority Species for Conservation Page last modified: October 23, 2014. http://alaska.usgs.gov/science/biology/bpif/priority_spp.php
- Boveng, PL, JL Bengtson, DE Withrow, JC Cesarone, MA Simpkins, KJ Frost, and JJ Burns. 2003. The abundance of harbor seals in the Gulf of Alaska. *Marine Mammal Science* 19:111-127.
- Boveng, PL, JL Bengtson, TW Buckley, MF Cameron, SP Dahle, BP Kelly, BA Megrey, JE Overland, and NJ Williamson. 2009. Technical Memorandum: Status Review of the Spotted Seal (*Phoca largha*). US Department of Commerce, National Oceanic and Atmospheric Administration. Technical Memorandum No. NMFS-AFSC-200, 153 pp.
- Bowman, TD. 2008. Field Guide to Bird Nests and Eggs of Alaska's Coastal Tundra (2nd. Edition). Alaska Sea Grant College Program, University of Alaska Fairbanks. 2008.
- Box, SE and WP Elder. 1992. Depositional and Biostratigraphic Framework of the Upper Cretaceous Kuskokwim Group. Southwestern Alaska. In DC Bradley and AB Ford, editors. *Geologic Studies in Alaska by the US Geological Survey*. 1990. US Geological Survey, Bulletin 1999. p 8-16.
- Braaten HF, HA de Wit, E Fjeld, S Rognerud, E Lydersen, and T Larssen. 2014. Environmental factors influencing mercury speciation in Subarctic and Boreal lakes. *Science of the Total Environment*. 476-477:336-45. April 1, 2014.
- Bradley, BA, DS Wilcove, and M Oppenheimer. 2010. Climate change increases risk of plant invasion in the Eastern United States. *Biol Invasions* 12:1855-1872.
- Bradley, DC, J Dumoulin, P Layer, D Sunderlin, S Roeske, B McClelland, AG Harris, G Abbott, T Bundtzen, and T Kusky. 2003. Late Paleozoic Orogeny in Alaska's Farewell Terrane. *Tectonophysics* 372:23-40.
- Bradley, MJ, SJ Kutz, E Jenkins, and TM O'Hara. 2005. The potential impact of climate change on infectious diseases of Arctic fauna. *International Journal of Circumpolar Health* 64(5):468-477.
- Bradner, T. 2011. Rural Alaska Communities Aim to Preserve Culture, Subsistence. *Alaska Journal of Commerce*. Accessed October 26, 2013. <http://www.alaskajournal.com/Alaska-Journal-of-Commerce/October-2011/Rural-Alaska-communities-aim-to-preserve-culture-subsistence/>

- Braund, SR and EL Moorehead. 2009. Chapter 5: Sociocultural Research. Pages 111-161 in SR Braund and JK Kruse, editors. Synthesis: Three decades of Research on Socioeconomic Effects Related to Offshore Petroleum Development in Coastal Alaska. OCS Study MMS 2009-006. Prepared by Stephen R. Braund and Associates for Minerals Management Service, Alaska Outer Continental Shelf Region.
- Brazil, C, D Blue, and T Ellison. 2013. 2011 Kuskokwim Area Management Report. Alaska Department of Fish and Game. Fishery Management Report Number 13-23. Anchorage, AK.
- Brelsford, T, R Peterson, and T Haynes. 1987. An Overview of Resource Use Patterns in Three Central Kuskokwim Communities: Aniak, Crooked Creek, and Red Devil. Alaska Department of Fish and Game, Division of Subsistence. Technical Paper No. 141.
- Brelsford, T. 2003. Considering the External Opposition: Recent Innovations in Yup'ik Natural Resource Advocacy in Southwestern Alaska. Paper Presented in the Panel: Effective Local Institutions for Collective Action in Arctic Communities: An interdisciplinary inquiry into community based collective action in the Arctic. University of Alaska Anchorage. June 20-21, 2003.
- Brelsford, T. 2009. We Have to Learn to Work Together: Current Perspectives on Incorporating Local and Traditional/Indigenous Knowledge into Alaskan Fishery Management. Pages 381-394 in CC Krueger and CE Zimmerman, editors. Pacific Salmon: Ecology and Management of Western Alaska's Populations. American Fisheries Society Symposium 70, proceedings of the symposium: Sustainability of the Arctic-Yukon-Kuskokwim Salmon Fisheries. American Fisheries Society. Bethesda, MD.
- Brett, JR. 1952. Temperature tolerance of young Pacific salmon, genus *Oncorhynchus*. J Fish Res Bd Can 9:265-323.
- Bridou, R, M Mongers, PR Gonzalez, R Guyoneaud, D Amouroux. 2011. Simultaneous determination of mercury methylation and demethylation capacities of various sulfate-reducing bacteria using species-specific isotopic tracers. Environmental Toxicology and Chemistry 30:337-344.
- Brigham, ME, DA Wentz, GR Aiken, and DP Krabbenhoft. 2009. Mercury Cycling in Stream Ecosystems. 1. Water Column Chemistry and Transport. Environmental Science and Technology 43:2720-2725.
- Brinson, MM. 1993. A Hydrogeomorphic Classification for Wetlands. Technical Report WRP-DE-4. US Army Engineer Research and Development Center. Vicksburg, Mississippi. 103 pp.
- Brooker, H. 2011. Tsunami Impact on Fuel Storage Containers. Network for Earthquake Engineering Simulation (NEES) Research Experiences for Undergraduates (REU) Program. Lehigh University. August 2011. 11 pp.
- Brown, CL, AR Brenner, H Ikuta, EH Mikow, B Retherford, LJ Slayton, A Trainor, J Park, D Koster, and ML Kostick. 2015. The Harvest and Uses of Wild Resources in Mountain Village, Marshall, Nulato, Galena, and Ruby, Alaska, 2010. Alaska Department of Fish and Game, Division of Subsistence. Technical Paper No. 410.

- Brown, CL, H Ikuta, DS Koster, and JS Magdanz. 2013. Subsistence Harvests in 6 Communities in the Lower and Central Kuskokwim River Drainage, 2010. Alaska Department of Fish and Game, Division of Subsistence. Technical paper No. 379.
- Brown, CL, JS Magdanz, DS Koster, and NM Braem. 2012. Subsistence Harvests in 8 Communities in the Central Kuskokwim River Drainage, 2009. Alaska Department of Fish & Game, Division of Subsistence. Technical paper No. 365.
- Brown, CM. 1985. Alaska Kuskokwim River Region: A History. Bureau of Land Management, State Office. Anchorage, Alaska. 806 pp.
- Brown, RJ, C Brown, NM Braem, WK Carter III, N Legere, and L Slayton. 2012. Whitefish Biology, Distribution, and Fisheries in the Yukon and Kuskokwim River Drainages in Alaska: a Synthesis of Available Information. USFWS, Alaska Fisheries Data Series No. 2012-4.
- Brown, RJ, C Brown, NM Braem, WK Carter, N Legere, and L Slayton. 2011. Whitefish and Whitefish Fisheries in the Yukon and Kuskokwim River Drainages in Alaska: A Status Review With Recommendations for Future Research Directed Towards Sustainable Management. US Fish and Wildlife Service and Alaska Department Fish & Game. Fisheries Resources Monitoring Program Draft Report.
- Brown, RJ. 2006. Humpback Whitefish, *Coregonus pidschian*, of the Upper Tanana River Drainage. US Fish and Wildlife Service, Alaska Fisheries. Technical Report No. 90. Fairbanks, Alaska.
- Brunner, P and CT Simmons. HydroGEoSphere: A Fully Integrated, Physically Based Hydrological Model. Ground Water, Vol. 50 (2), pp. 170-176. March 2012.
- Buchman, MF. 2008. NOAA Screening Quick Reference Tables (SQuiRTs). NOAA OR&R Report 08-1, Office of Response and Restoration Division, National Oceanic and Atmospheric Administration. Seattle WA. 34 pp.
- Buckland, ST and JM Breiwick. 2002. Estimated trends in abundance of eastern Pacific gray whales from shore counts (1967/68 to 1995/96). J Cetacean Res Manage 4(1):41-48.
- Buckley, JL. 1989. Species Profiles: life histories and environmental requirements of coastal fishes and invertebrates (North Atlantic) - rainbow smelt. US Fish and Wildlife Service.
- Bue, BG, KL Schaberg, ZW Liller, and DB Molyneaux. 2012. Estimates of the Historic Run and Escapement for the Chinook Salmon Stock Returning to the Kuskokwim River, 1976-2011. Alaska Department of Fish and Game. Fishery Data Series No. 12-49. Anchorage, AK.
- Bue, DG. 2005. Data summary for the Kuskokwim River Salmon test fishery at Bethel, 1984-2003. Alaska Department of Fish and Game, Fishery Data Series No. 05-14. Anchorage, AK.
- Bundtzen, TK and GM Laird. 1991. Geology and Mineral Resources of the Russian Mission C-1 Quadrangle, Southwest Alaska. Alaska Division of Geology and Geophysical Surveys (DGGS). Professional Report 109. 26 p., 1 sheet scale 1:63,360.

- Bundtzen, TK and ML Miller. 1997. Precious Metals Associated with Late Cretaceous-Early Tertiary Igneous Rocks of Southwestern Alaska. Pages 242-286 in RJ Goldfarb and LD Miller, editors. Mineral Deposits of Alaska, Economic Geology Monograph 9.
- Bundtzen, TK, EE Harris, and WG Gilbert. 1997. Geologic Map of the Eastern Half of the McGrath Quadrangle, Alaska. Alaska Division of Geological and Geophysical Surveys. Report of Investigations 97-14a, 34 pages, 2 sheets scale 1.
- Bundtzen, TK. 2004. Donlin Mine Project Materials Site Assessments. 2004 Draft Report for Placer Dome U. S., Inc. Pacific Rim Geological Consulting, Inc. September 7.
- Burge, L and V Cuervo. 2015. Appendix A: Hydrotechnical and Geomorphological Assessment. June 3, 2015. In Mount Polley Mining Corporation Post-Event Environmental Impact Assessment Report. Prepared by Golder Associates, Ltd. for Mount Polley Mining Corporation, Likely, BC., Canada.
- Burge, P and P Kiteck. 2009. Inter-noise 2009, Innovations for Practical Noise Control, Methods for Predicting and Evaluating Noise from Horizontal Directional Drilling (HDD) Equipment. August 23-26, 2009. Ottawa, Canada.
- Burriel, SE, CE Zimmerman, JE Finn, and D Gillikin. 2009. Abundance, Timing of Migration, and Egg-to-Smolt Survival of Juvenile Chum Salmon, Kwethluk River, Alaska. US Department of Interior, US Geological Society in cooperation with the Yukon Delta National Wildlife Refuge. Open file report prepared for the Arctic-Yukon-Kuskokwim Sustainable Salmon Initiative.
- Busey, RC, DM Nyman, and MR Lilly. 2000. Secondary-Containment Dewatering at a Sub-Arctic Fuel Tank-Farm, Bethel, Alaska. American Water Association 2000 Spring Specialty Conference. <http://awra.org/~awra/proceedings/Alaska2000/ak06/>
- BVS (Bureau of Vital Statistics). 2009. Data and Statistics. Alaska Department of Health and Social Services, Division of Public Health. <http://dhss.alaska.gov/dph/VitalStats/Pages/default.aspx>
- Byrd, GV and D Ronsse. 1983. Preliminary classification of plant communities in the vegetated intertidal zone of the central Yukon Delta, Yukon NWR. Bethel, AK. 18 pp.
- Cady, WM, RE Wallace, JM Hoare, and EJ Weber. 1955. The Central Kuskokwim Region, Alaska. US Geological Survey. Professional Paper 268. 132 pp.
- Calambokidis, J, EA Falcone, TJ Quinn, AM Burdin, PJ Clapham, JKB Ford, CM Gabriele, R LeDuc, D Mattila, L Rojas-Bracho, JM Straley, BL Taylor, J Urbán R, D Weller, BH Witteveen, M Yamaguchi, A Bendlin, D Camacho, K Flynn, A Havron, J Huggins, and N Maloney. 2008. SPLASH: Structure of Populations, Levels of Abundance and Status of Humpback Whales in the North Pacific. Final report for Contract AD133F-03-00078 for US Department of Commerce. May 2008.
- California Energy Commission. 2014. Frequently Asked Questions about LNG. Accessed February 10, 2014. <http://www.energy.ca.gov/lng/faq.html>.
- Calista Corporation. 2013a. Lands & Resources. Accessed November 13, 2013. <http://www.calistacorp.com/business/lands-resources#.UoPpkvIJoz8>.

- Calista Corporation. 2013b. Human Resources. Accessed November 4, 2013.
http://www.calistacorp.com/business/human_resources#.UnpeJ53Tm1s.
- Calista Corporation. 2014a. Building For the Future: 2013 Annual Report. Anchorage, AK.
- Calista Corporation. 2014b. Calista Corporation Website accessed March 2014.
<http://www.calistacorp.com/shareholders/communities#.UyN5sD9dXeA>
- Calista Corporation. 2016. Storyknife, the Voice of the Region. October 2016 Calista Corporation Newsletter.
http://www.calistacorp.com/sites/default/files/documents/storyknife/CAL_16_0198_October_SK_LR3.pdf
- Calista Corporation. 2017. Lands & Resources. Accessed March, 2017.
<http://www.calistacorp.com/business/lands-resources#.WLnuWFXyvRY>.
- Calista Corporation. 2017a. Storyknife, the Voice of the Region. April 2017 Calista Corporation Newsletter.
http://www.calistacorp.com/sites/default/files/documents/storyknife/2017-03_April%20StoryKnife%20FINAL.pdf
- Calista Corporation. 2017b. Napaimute. Accessed September 28, 2017.
<http://www.calistacorp.com/shareholders/village/napaimute#.Wc1xLWtSxaQ>
- Caltrans (California Department of Transportation). 2009. Technical Noise Supplement. November 2009. Sacramento, CA. Prepared by ICF Jones & Stokes (ICF J&S 00183.08) for California Department of Transportation. Sacramento, CA. Accessed September 24, 2013.
http://www.dot.ca.gov/hq/env/noise/pub/tens_complete.pdf
- Cameron, MF, JL Bengtson, PL Boveng, JK Jansen, BP Kelly, SP Dahle, EA Loggerwell, JE Overland, CL Sabine, GT Waring, and JM Wilder. 2010. Technical Memorandum: Status Review of the Bearded Seal (*Erignathus barbatus*). US Department of Commerce. National Oceanic and Atmospheric Administration. Technical Memorandum NMFS-AFSC-211, 246 pp.
- Camfield, FE, DEL Ray, and JW Eckert. 1980. The possible impact of vessel wakes on bank erosion. Prepared by USACE, Fort Belvoir, Virginia for US Department of Transportation and US Coast Guard, Washington, DC Office of Research and Development, Final Report USCG-W-1-80, 114 pp. NTIS No. ADA-083-896.
- Cannon, D. 2013. Personal communication. Environmental Director. Native Village of Napaimute. July 9, 2013. Jeff Barrett. Hart Crowser, Inc.
- Cannon, D. 2014. Personal communication. Environmental Director. Native Village of Napaimute. April 29, 2014. David Every. URS.
- Cannon, D. 2014b. Personal communication. Environmental Director, Native Village of Napaimute. May 16, 2014. Dave Every, URS.
- Cannon, D. 2016. Comments from Dave Cannon for the Donlin Gold DEIS. Email to USACE from D Cannon, Akiak, AK. May 30, 2016.
- Cape International, Inc. 2012. Cook Inlet Vessel Traffic Study.

- Cardno. 2015a. Construction Phase Emission Calculations for the Mine Site and Transportation Infrastructure Adopted from Air Sciences, Inc. 2014c. September 9, 2015.
- Cardno. 2015b. Mine Site Emission Calculations. Adapted from Air Sciences, Inc. 2015b. September 9, 2015.
- Cardno. 2015c. Transportation Infrastructure emission calculations. Adapted from Air Sciences, Inc. 2015b. September 9, 2015. Minor revisions March 2017.
- Cardno. 2015e. Operation phase emission calculations for the pipeline. September 9, 2015.
- Cardno. 2015d. Construction phase emission calculations for the pipeline. September 9, 2015.
- Carlson, M and C Greenstein. 2012. Alaska Natural Heritage Program (AKNHP). November 27. Invasive Plant Monitoring in Unalakleet and Upriver 2012. Report prepared for Bureau of Land Management.
- Carlson, M and R Lipkin. 2003. Alagnak Wild River & Katmai National Park Vascular Plant Inventory, Annual Technical Report. Cooperative Agreement between NPS-SWAN and AKNHP, Anchorage, AK. 69 pp.
- Carlson, M, I Lapina, M Shephard, J Conn, R Densmore, P Spencer, J Heys, J Riley, and J Nielsen. 2008. Invasiveness Ranking System for Non-Native Plants of Alaska. Alaska Region, Forest Service, US Department of Agriculture. R10-TP-143. 218 pp.
- Carlson, M, R Lipkin, and J Michaelson. 2005. NPS-SWAN, Vascular Plant Inventory, Summary Report. Anchorage, AK. Natural Resource Technical Report. NPS/AKR/SWAN/NRTR-2005/07. 38 pp.
- Carlson, M, R Lipkin, C Roland, and A Miller. 2013. New and Important Vascular Plant Collections from South-Central and Southwestern Alaska: A Region of Floristic Convergence. *Rhodora*. 115(961). p 61-95.
- Carretta, JV, EM Oleson, DW Weller, AR Lang, KA Forney, J Baker, M Muto, B Hanson, AJ Orr, H Huber, MS Lowry, J Barlow, JE Moore, D Lynch, L Carswell, and RL Brownell Jr. 2015. US Pacific Marine Mammal Stock Assessments: 2014. US Department of Commerce, NOAA Technical Memorandum, NOAA-TM-NMFS-SWFSC-549. 414 pp.
- Carroll, HC and E Patton. 2010. Lower Kuskokwim River in Season Subsistence Salmon Catch Monitoring, 2008. Alaska Department of Fish and Game.
- Carver, G and G Plafker. 2008. Paleoseismicity and Neotectonics of the Aleutian Subduction Zone-An Overview. Pages 43-63 in JT Freymueller, PJ Haeussler, R Wesson, and G Ekström, editors. Active Tectonics and Seismic Potential of Alaska. American Geophysical Union, Geophysical Monograph. 179.
- Carver, G, G Plafker, M Metz, L Cluff, B Slemmons, E Johnson, J Roddick, and S Sorensen. 2004. Surface Rupture on the Denali Fault Interpreted from Tree Damage During the 1912 Delta River M 7.2-7.4 Earthquake: Implications for the 2002 Denali Fault Earthquake Slip Distribution. *Bulletin of the Seismological Society of America*. 94(6B):S58-S71. December 2004.
- Casadevall, TJ. 1994. Volcanic Ash and Aviation Safety: Proceedings of the First International Symposium on Volcanic Ash and Aviation Safety. US Geological Survey Bulletin. 2047, 450 pp.

- Case, DS and DA Voluck. 2002. Alaska Natives and American Laws. Second Edition. Fairbanks: University of Alaska Press.
- Castendyk, DN and LE Eary. 2009. Mine Pit Lakes: Characteristics, Predictive Modeling, and Sustainability (Management Technologies for Metal Mining Influenced Waters Book 3). Society for Mining, Metallurgy, and Exploration. 316 pp.
- Cater, TC. 2010. Tundra Treatment Guidelines: A Manual for Treating Oil and Hazardous Substance Spills to Tundra. Third Edition. Prepared by ABR, Inc. – Environmental Research and Services. Prepared for Alaska Department of Environmental Conservation, Division of Spill Prevention and Response, Prevention and Emergency Response Program, Alaska. 66 pp.
- Caterpillar. 2010a. 793F Mining Truck. <http://xml.catmms.com/servlet/ImageServlet?imageId=C639669>
- Caterpillar. 2010b. 793D Mining Truck. <http://xml.catmms.com/servlet/ImageServlet?imageId=C585483>
- Caterpillar. 2012. September 2012 Release. Caterpillar Previews Natural-Gas Powered Product Initiative at MINExpo.
- Caterpillar. 2013. Liquefied Natural Gas. Accessed February 9, 2014. <https://mining.cat.com/lng>
- CCME (Canadian Council of Ministers of the Environment). 2014. Canadian Environmental Quality Guidelines Summary Table: Sediment Quality Guidelines for the Protection of Aquatic Life. Accessed January 27, 2014. <http://st-ts.ccme.ca>.
- CDC (Centers for Disease Control and Prevention). 2010. National Vital Statistic System (NVSS). National Center for Health Statistics. National Vital Statistics Reports. Volume 58, Number 19. May 20, 2010. Website: http://www.cdc.gov/nchs/data/nvsr/nvsr58/nvsr58_19.pdf
- CDD. 2011. National Vital Statistics Report. Births: Final Data for 2009. Vol 60. No1. Available at: https://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60_01.pdf
- CDC. 2013. Cyanide: Public Health Statement. <http://www.atsdr.cdc.gov/toxprofiles/tp8-c1.pdf>
- CDC. 2013b. Biomonitoring Summary: Mercury. National Biomonitoring Program. Accessed October, 2015. http://www.cdc.gov/biomonitoring/Mercury_BiomonitoringSummary.html
- CDC. 2014. CDC website accessed March 2014. <http://www.cdc.gov/nchs/fastats/birthwt.htm>
- Ceñaliulriit CRSA (Coastal Resource Service Area). 2005. Coastal Management Plan. Final Plan Amendment.
- Ceñaliulriit CRSA. 2006. Appendix H – Alaska Department of Fish and Game Most Environmentally Sensitivity Index Maps (MESA), in Ceñaliulriit Coastal Resource Service Area Coastal Management Plan, Final Draft Plan Amendment. <http://www.alaskacoast.state.ak.us/District/FinalPlans/Cenaliulriit/MESA%20Maps/Appendix%20H%20-%20MESA%20Maps%20Index.doc>

- CEQ (Council for Environmental Quality). 1981. 40 Most Frequently Asked Questions.
- CEQ. 1997 Environmental Justice Guidance Under the National Environmental Policy Act. Washington DC. Accessed from http://www.epa.gov/oecaerth/environmentaljustice/resources/policy/ej_guidance_nepa_ceq1297.pdf
- CEQ. 2010. Memorandum for heads of federal Departments and Agencies. February 18, 2010. Accessed November 18, 2013. <http://www.whitehouse.gov/sites/default/files/microsites/ceq/20100218-nepa-consideration-effects-ghg-draft-guidance.pdf>.
- CEQ. 2014. Guidance on when and how to consider greenhouse gas emissions. CEQ. December 18, 2014. Accessed September 1, 2015. https://www.whitehouse.gov/sites/default/files/docs/nepa_revised_draft_ghg_guidance_searchable.pdf.
- CH2MHill. 2011a. Donlin Creek Pipeline Project Pipeline Design Basis Memorandum. July 2011.
- CH2MHill. 2011b. Donlin Creek Pipeline Project Geotechnical Report, Final. July 2011.
- CH2MHill. 2011c. Donlin Creek Pipeline Project Hydraulics and Hydrology Report. Prepared for Donlin Creek LLC. July 2011.
- CH2MHill. 2011d. Technical Memorandum: Review of 2011 Core Drilling Results at Happy, Dalzell, Tatina, and South Fork Kuskokwim River Proposed HDD Crossings. Prepared for Donlin Gold, Project No. 402896. 3 p. with attachments. October 2011.
- CH2MHill. 2011e. Draft Feasibility Study, Gowanus Canal. Prepared for US Environmental Protection Agency. Appendix D, Propeller Wash and Cap Armor Thickness Calculations. December 2011.
- CH2MHill. 2011f. Addendum to Donlin Creek Pipeline Project Hydraulics and Hydrology Report. Technical Memorandum. Prepared by K Nielsen and K Hansen. October 2011.
- Chalfoun, AD, FR Thompson III, and MJ Ratnaswamy. 2002. Nest Predators and Fragmentation: A Review and Meta-Analysis. *Conservation Biology* 16(2):306-318.
- Chambers, DM and B Higman. 2011. Long Term Risks of Tailings Dam Failure. Center for Science in Public Participation.
- Chance, N. 1990 (updated 1999). Alaska Natives and the Land Claims Settlement Act of 1971. University of Connecticut, Arctic Circle.
- Chang-Kue, DTJ and EF Jessop. 1997. Broad Whitefish Radiotagging Studies in the Lower Mackenzie River and Adjacent Coastal Region, 1982-1993. Pages 117-148 in RF Tallman and JD Reist, editors. *The Proceedings of the Broad Whitefish Workshop: the Biology, Traditional Knowledge and Scientific Management of Broad Whitefish (Coregonus nasus (Pallus)) in the Lower Mackenzie River*. Department of Fisheries and Oceans, Canadian Technical Report of Fisheries and Aquatic Sciences. Number 2193. Winnipeg, MB, Canada.
- Chapin III, FS and MC Chapin. 1980. Revegetation of an Arctic Disturbed Site by Native Tundra Species. *Journal of Applied Ecology* 17(1980):449-456.

- Chapin III, FS, AD McGuire, RW Ruess, TN Hollingsworth, MC Mack, JF Johnston, ES Kasischke, ES Euskirchen, JG Jones, MT Jorgenson, K Kielland, GP Kofinas, MR Turetsky, J Yarie, AH Lloyd, and DL Taylor. 2010. Resilience of Alaska's Boreal Forest to Climatic Change. *Can J For Res* 40:1360-1370.
- Chapin III, FS, AL Lovecraft, ES Zavaleta, J Nelson, MD Robards, GP Kofinas, SF Trainor, GD Peterson, HP Huntington, and RL Naylor. 2006. Policy strategies to address sustainability of Alaskan boreal forests in response to a directionally changing climate. *Proceedings of the National Academy of Sciences* 103:16637-16643.
- Chapin III, FS, SF Trainor, O Huntington, AL Lovecraft, ES Zavaleta, DC Natcher, AD McGuire, JL Nelson, L Ray, M Calef, N Fresco, H Huntington, TS Rupp, L DeWilde, and RN Naylor. 2008. Increasing Wildfire in Alaska's Boreal Forest: Pathways to Potential Solutions of a Wicked Problem. *BioScience* 58(6):531-540.
- Chapin III, FS, SF Trainor, P Cochran, H Huntington, C Markon, M McCammon, AD McGuire, and M Serreze. 2014. Chapter 22: Alaska *In*: Climate Change Impacts in the United States: The Third National Climate Assessment. JM Melillo, TC Richmond, and GW Yohe, editors. US Global Change Research Program. p 514-536. doi:10.7930/J00Z7150. <http://nca2014.globalchange.gov/report/regions/alaska>
- Chapin III, FS, TS Rupp, AM Starfield, L DeWilde, ES Zavaleta, N Fresco, and AD McGuire. 2003. Planning for resilience: Modeling change in human-fire interactions in the Alaskan boreal forest. *Frontiers in Ecology and the Environment* 1:255-261.
- Charnley, S. 1984. Human Ecology of two central Kuskokwim communities: Chuathbaluk and Sleetmute., Alaska Department of Fish and Game, Division of Subsistence, Technical Paper No.81. Bethel
- Chavez, R and CA Shelden. 2014. In season Subsistence Salmon Harvesting Monitoring, Lower Kuskokwim River, 2013. Alaska Department of Fish and Game, Fishery Management Report No. 14-36. Anchorage, AK.
- Chavis, L. 2015. Dog Team Nearly Killed by River Erosion. Accessed March 31, 2017. <http://archive.kyuk.org/akiak-man-loses-about-50-ft-of-land-in-two-hours/>
- Chen H, MS Goldberg, and PJ Villeneuve. 2008. A Systematic Review of the Relation between Long-term Exposure to Ambient Air Pollution and Chronic Diseases. *Rev Environ Health* 23(4):243-297.
- Chiew, YM, JH Hong, I Susanto, and NS Cheng. 2012. Local Scour by Offset and Propeller Jets. Sixth International Conference on Scour and Erosion (ICSE6), Paris, France, August 2012.
- CH-IV International. 2012. Safety History of International LNG Operations. <http://www.ch-iv.com/pdfs/Safety%20History%20of%20International%20LNG%20Operations.pdf>
- Chlupach, RS. 1975. Studies of Introduced Blackfish in Waters of Southcentral Alaska. Annual Performance Report for Sport Fish Studies, Volume 16, G-II-K. Alaska Department of Fish and Game.

- Christensen, JH, B Hewitson, A Busuioc, A Chen, X Gao, I Held, R Jones, RK Kolli, WT Kwon, R Laprise, V Magaña R, L Mearns, CG Menéndez, J Räisänen, A Rinke, A Sarr, and P Whetton. 2007. Regional Climate Projections. *In: Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change.* S Solomon, D Qin, M Manning, Z Chen, M Marquis, KB Averyt, M Tignor, and HL Miller, editors. Cambridge University Press, Cambridge, United Kingdom and New York, New York, USA.
- Chuathbaluk Traditional Council. 2017. Letter to USACE, Subject: Follow up on Donlin Technical Working Group meetings, December 2016. January 25, 2017. With attached comments from Center for Science in Public Participation (CSP2) dated December 18 and 23, 2016.
- Churchill, AC. 2011. The Response of Plant Community Structure and Productivity to Changes in Hydrology in Alaskan Boreal Peatlands. M.S. Thesis. December 2011. University of Alaska, Fairbanks. Fairbanks, AK. 121 pp.
- Chythlook, J. 2009. Fishery Management Report for Sport Fisheries in the Kuskokwim-Goodnews Management Area, 2008. Alaska Department of Fish and Game. Fishery Management Report Series No. 09-52.
- CIRI (Cook Inlet Region, Inc.). No Date. Land Use. Accessed October 9, 2013. <http://www.ciri.com/content/community/land.aspx>
- CIRI. 2014. Mission Statement. Accessed September 10, 2014. <http://www.ciri.com/our-corporation/>
- Citta, J, L Quakenbush, R Hobbs, and H Alderman. 2013. Movements and habitat selection of Bristol Bay beluga whales. Alaska Marine Science Symposium Abstracts: 204. January 21-25, 2013, Anchorage, AK.
- City of Bethel. 2006. Bethel Coastal Management Plan. 2006 Plan Amendment. Final Draft. Prepared by Bethel Coastal District, Bethel Planning Commission, Bechtol Planning and Development.
- City of Bethel. 2011. Bethel Comprehensive Plan Update and Public Hearing. 2035. Prepared by AGNEW::BECK Consulting. Anchorage, Alaska.
- City of Bethel. 2017. Bethel Municipal Code. A Codification of General Ordinances of the City of Bethel, Alaska.
- City of Unalaska, Alaska Code of Ordinances. 2013a. American Legal Publishing Corporation, Unalaska, Alaska Code of Ordinances, Chapter 11.08 Nuisances. Accessed December 27, 2013. [http://www.amlegal.com/nxt/gateway.dll/Alaska/unalaska/title11healthandsafety/chapter1108nuisances?f=templates\\$fn=default.htm\\$3.0\\$vid=amlegal:unalaska_ak\\$anc=JD_Chapter11.08](http://www.amlegal.com/nxt/gateway.dll/Alaska/unalaska/title11healthandsafety/chapter1108nuisances?f=templates$fn=default.htm$3.0$vid=amlegal:unalaska_ak$anc=JD_Chapter11.08)
- City of Unalaska, Alaska Code of Ordinances. 2013b. American Legal Publishing Corporation, Unalaska, Alaska Code of Ordinances, Chapter 18.12 Harbor Rules. Accessed December 27, 2013. [http://www.amlegal.com/nxt/gateway.dll/Alaska/unalaska/title18portandportfacilities/chapter1812harborrules?f=templates\\$fn=default.htm\\$3.0\\$vid=amlegal:unalaska_ak\\$anc=JD_Chapter18.12](http://www.amlegal.com/nxt/gateway.dll/Alaska/unalaska/title18portandportfacilities/chapter1812harborrules?f=templates$fn=default.htm$3.0$vid=amlegal:unalaska_ak$anc=JD_Chapter18.12)
- City of Unalaska. No Date. Unalaska Community Profile.

- Clapham, PJ, AS Kennedy, BK Rone, AN Zerbini, JL Crance, and CL Berchok. 2012. North Pacific right whales in the southeastern Bering Sea: Final report. OCS Study BOEM 2012-074. US Dept Interior, Bureau of Ocean Energy Management, Alaska Outer Continental Shelf region, Anchorage, AK. 181 pp.
- Clark, AM. 1981. Koyukon in Subarctic. J Helm, editor. Handbook of North American Indians. WC Sturdivant, general editor. Smithsonian Institution Press, Washington DC 6:582-601.
- Clark, CW, WT Ellison, BL Southall, L Hatch, SM Van Parijs, A Frankel, and M Ponirakis. 2009. Acoustic Masking in Marine Ecosystems: Intuitions, Analysis, and Implications. Marine Ecology Progress Series 395:301-322.
- Clark, DW. 1981. Prehistory of Western Subarctic. Handbook of North American Indians. Smithsonian Institution Press, Washington DC 6:107-129.
- Clark, JN and BJ Blain. 2012. George River Salmon Studies, 2011. Alaska Department of Fish and Game. Fishery Data Series Number 12-17. Anchorage, AK.
- Clausen, DJ, J Matthews, J Henderson, J Villard, F Inoue, and C Barnhill. 1988. Susitna Flats State Game Refuge Management Plan. Prepared by the Division of Habitat and Game, editor Alaska Department of Fish and Game. Anchorage, Alaska. Page 90.
- Clayton, GR. 1976. Reproduction, First Year Growth, and Distribution of Anadromous Rainbow Smelt, *Osmerus mordax*, in the Parker River and Plum Islands Sound Estuary, Massachusetts. MS. Thesis. University of Massachusetts, Amherst. 105 p.
- Clevenger, M. 2013. Personal communication. Northland Services. December 17, 2013. Jennifer Anderson. URS.
- Cobb, C. 2014. Presentation to Donlin Gold Cooperating Agency Meeting: Alaska Dam Safety Program. September 10.
- Coffey, D. 2010. "The Mining of Our Aquifers: As long as BLM can make a buck who cares if the water is gone?" Accessed March 9, 2017, <http://farmwars.info?p=3475>. July 27, 2010.
- Coffing, MW, CL Scott, and CJ Utermohle. 1998. The Subsistence Harvest of Seals and Sea Lions by Alaska Natives in Three Communities of the Yukon-Kuskokwim Delta, Alaska, 1997-98. Alaska Department of Fish and Game, Division of Subsistence. Technical Paper No. 255. 56 pp.
- Coffing, MW, CL Scott, and CJ Utermohle. 1999. The Subsistence Harvest of Seals and Sea Lions by Alaska Natives in Three Communities of the Yukon-Kuskokwim Delta, Alaska, 1998-99. Alaska Department of Fish and Game. Technical Paper Number 257. <http://www.subsistence.adfg.state.ak.us/TechPap/tp257.pdf>
- Coffing, MW, L Brown, G Jennings, and CJ Utermohle. 2001. The subsistence harvest and use of wild resources in Akiachak, Alaska, 1998. ADF&G Division of Subsistence, Technical Paper No. 258.
- Coffing, MW. 1991. Kwethluk subsistence: Contemporary land use patterns, wild resource harvest and use, and the subsistence economy of a lower Kuskokwim River area community. Technical Paper No. 157. Alaska Department of Fish and Game, Division of Subsistence, Juneau, AK. 244 pp.

- Coleman Wasik, J.K., C.P.J. Mitchell, D.R. Engstrom, E.B. Swain, B.A. Monson, S.J. Balogh, J.D. Jeremiason, B.A. Branfireun, S.L. Eggert, R.K. Kolka, and J.E. Almendinger. 2012. Methylmercury declines in a boreal peatland when experimental sulfate deposition decreases. *Environmental Science & Technology* 46: 6663-6671.
- Collins, CM, CH Racine, and ME Walsh. 1994. The physical, chemical, and biological effects of crude oil spills after 15 years on a black spruce forest, Interior Alaska. *Arctic* 47(2):164-175.
- Collins, R. 2004. A history of the people of the Upper Kuskokwim who live in Nikolai and Telida, Alaska.
- Colt, S, S Goldsmith, and A Wiita. 2003. Sustainable Utilities in Rural Alaska: Effective Management, Maintenance and Operation of Electric, Water, Sewer, Bulk Fuel, Solid Waste. Institute of Social and Economic Research, University of Alaska, Anchorage. Anchorage, AK.
- Colville, Inc. 2015. Transport. Accessed April 2015. <http://colvilleinc.com/fuel-transportation>
- Combellick, R. 1999. Earthquake and Tsunami Hazards in Alaska. Alaska Division of Geological and Geophysical Surveys. February 1999. Alaska GeoSurvey News 3(1).
- Combs, BD and RE Burrows. 1957. Threshold Temperatures for the Normal Development of Chinook Salmon Eggs: *Progressive Fish-Culture* 19:3-6.
- Combs, BD. 1965. Effects of temperature on the development of salmon eggs: *Progressive Fish Culture* 27:134-137.
- Committee on the Assessment of the Cumulative Effects of Anthropogenic Stressors on Marine Mammals (Marine Mammals Stressors Committee). 2017. Approaches to Understanding the Cumulative Effects of Stressors on Marine Mammals. Chapter: 2 Estimating Exposure and Effects of Sound on Wildlife. The National Academies Press. Washington, DC. 39 pp.
- Conitz, JM, KG Howard, and MJ Evenson. 2012. Escapement Goal Recommendations for Select Arctic-Yukon-Kuskokwim Region Salmon Stocks, 2013. Alaska Department of Fish and Game. Fishery Manuscript No. 12-07. Anchorage, AK.
- Conitz, JM, KG Howard, and MJ Evenson. 2015. Escapement Goal Recommendations for Select Arctic-Yukon-Kuskokwim Region Salmon Stocks, 2016. Alaska Department of Fish and Game, Fishery Manuscript No. 15-08, Anchorage, AK.
- Conn, PB and GK Silber. 2013. Vessel speed restrictions reduce risk of collision-related mortality for North Atlantic right whales. *Ecosphere* 4(4):43. <http://dx.doi.org/10.1890/ES13-00004.1>
- Coombs, ML, CA Neal, RL Wessels, and RG McGimsey. 2006. Geothermal Disruption of Summit Glaciers at Mount Spurr Volcano, 2004-6: An Unusual Manifestation of Volcanic Unrest. US Geological Survey Professional Paper 1732-B.
- Copeland, C. 2010. Clean Water Act: A Summary of the Law. Congressional Research Service, Report for Congress, 7-5700, RL30030. April 23, 2010. 14p. Accessed October 21, 2013. <http://www.oakparkusd.org/cms/lib5/CA01000794/Centricity/Domain/338/clean%20water%20act%20summary.pdf>

- Cordone, AJ and DW Kelley. 1961. The influences of inorganic sediment on the aquatic life of streams. California Department of Fish and Game.
- Corps (US Army Corps of Engineers) and EPA (US Environmental Protection Agency). 2008. Compensatory Mitigation for Losses of Aquatic Resources Federal Register 73(70). April 10, 2008.
- Corps. 1980. EM 1110-2-1611 Layout and Design of Shallow-Draft Waterways. Department of the Army, Washington, DC 20314-1000. December 31, 1980.
- Corps. 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1. Prepared by Environmental Laboratory, Waterways Experiment Station for US Army Corps of Engineers. Washington, DC. 168 pp.
- Corps. 1989. Engineering and Design, Retaining and Flood Walls. Engineer Manual No. 1110-2-2502. September 29, 1989.
- Corps. 1994. Engineering and Design, Design of Sheet Pile Walls. Engineer Manual No. 1110-2-2504. March 31, 1994.
- Corps. 2000a. Impact Study of Vessel Effects on the Marine and Nearshore Zone, Glacier Bay, Alaska. US Army Cold Regions Research and Engineering Laboratory. Hanover, NH and Fort Richardson, AK. ERDC/CRREL LR-00-01.
- Corps. 2000b. Interim Report for the Upper Mississippi River – Illinois Waterway System Navigation Study: Physical Forces Near Commercial Tows. ENV Report 19. March 2000.
- Corps. 2003. Slope Stability: Engineer Manual. EM 1110-2-1902. 31 October, 2003.
- Corps. 2005. Evaluation of Towboat Propeller-induced Mortality of Juvenile and Adult Fishes. Interim Report for the Upper Mississippi River – Illinois Waterway System Navigation Study. ENV Report 56.
- Corps. 2006a. Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Alaska Region. JS Wakeley, RW Lichvar, and CV Noble, editors. ERDC/EL TR-06-3. US Army Engineer Research and Development Center, Vicksburg, MS. 106 pp.
- Corps. 2006b. Waterborne Commerce of the United States. Page 114.
- Corps. 2006c. Technical Memorandum: Evaluation of Potential Impacts of Propwash on Shoreline Erosion. Technical memo for the Environmental Impact Statement for the Proposed Marine Container Terminal at the Charleston Naval Complex. Prepared by Applied Technology and Management, Inc. Charleston, SC.
- Corps. 2007. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Alaska Region (Version 2.0). JS Wakeley, RW Lichvar, and CV Noble, editors. ERDC/EL TR-07-24. US Army Engineer Research and Development Center. Vicksburg, MS. 129 pp.
- Corps. 2008. Alaska Baseline Erosion Assessment, Erosion Information Paper - Oscarville, Alaska. US Army Corps of Engineers Alaska District, current as of March 27, 2008.
- Corps. 2009. Memorandum for Commanders, Major Subordinate Commands and District Commands: Updated Standard Operating Procedures for the US Army Corps of Engineers Regulatory Program. Department of the Army. US Army Corps of Engineers, Washington DC. July, 1, 2009. 45 pp.

- Corps. 2011b. Institute for Water Resources, Waterborne Commerce Statistics Center, Calendar Year 2011, Part 4 – Waterways and Harbors, Pacific Coast, Alaska, and Hawaii, IWR-WCUS-11-4. Trips by Waterways CY 2011-1077. Accessed on September 24, 2013. http://www.navigationdatacenter.us/ucsc/webpub11/Part4_WWYs_Trips_VessType_YR_Dir_Draft_CY2011_CY2077.htm
- Corps. 2012. Point Thomson Project Final Environmental Impact Statement. US Army Corps of Engineers. Alaska District, Regulatory Division. July 2012.
- Corps. 2013. Waterborn Commerce of the United States: Calendar Year 2011. Part 4-Waterways and Harbors, Pacific Coast, Alaska and Hawaii. Institute for Water Resources. IWR-WCUS-11-4.
- Corps. 2014a. Alaska District. Public Notice of Application for Permit, Reference Number: POA-2014-64, Waterway: Kuskokwim River, February 19.
- Corps. 2014b. Sediment and Erosion Control Guidelines for Pipeline Projects. Little Rock District. 25 pgs. <http://www.swl.usace.army.mil/Portals/50/docs/regulatory/Sedimenatation-Erosion%20Control.pdf>
- Corps. 2018. Draft Programmatic Agreement Regarding the Donlin Gold Project. By and among: the US Army Corps of Engineers, US Bureau of Land Management, Advisory Council on Historic Preservation, Alaska State Historic Preservation Officer, Alaska Department of Natural Resources, and Donlin Gold, LLC.
- Cotten, L. 2007. Middle Kuskokwim Regional Government Study. Prepared for the State of Alaska. Anchorage, AK.
- Cotter, PA and BA Andres. 2000. Breeding bird habitat associations on the Alaska Breeding Bird Survey: USGS, Biological Resources Division Information and Technology Report USGS/BRD/ITR-2000-0010, 53 pp.
- Cowardin, LM, V Carter, FC Golet, and ET LaRow. 1979. Classification of Wetlands and Deepwater Habitats of the United States. FWS/OBS-79/31. US Department of the Interior, Fish and Wildlife Service, Office of Biological Services, Washington, DC. 137 pp.
- CR (Climate Register). 2014. 2014 Climate Registry Default Emission Factors, Tables 13.1 and 13.7, US Default CO₂, CH₄, and N₂O Emission Factors for Non-Highway Vehicles, released April 11, 2014.
- Crawford, PL. 1987. Tsunami Predictions for the Coast of Alaska, Kodiak Island to Ketchikan. Technical Report CERC-87-7, US Army Engineer Waterways Experiment Station. Prepared for Federal Emergency Management Agency. 133 p.
- Crowley, DW. 1994. Breeding Habitat of Harlequin Ducks in Prince William Sound, Alaska. A THESIS submitted to Oregon State University.
- Crozier, L. 2014. Impacts of climate change on Columbia River salmon: A review of scientific literature published in 2013. NOAA, Seattle, WA. 57 p.
- Curran, JH, DF Meyer, and GD Tasker. 2003. Estimating the Magnitude and Frequency of Peak Streamflows for Ungaged Sites on Streams in Alaska and Conterminous Basins in Canada: US Geological Survey Water-Resources Investigations Report. 03-4188. 101 pp.

- Curran, JH, NA Barth, AG Veilleux, and RT 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.
- Curran, M. 2010. Soil Risk Matrix for Off-Road Vehicle Damage (Changes) to Soil: Lake Koocanusa Area – Final.
- Cutler, DM and A Llera-Muney. 2007. Education and Health. Policy Brief No. 9, National Poverty Center, University of Michigan. Available at:
http://www.npc.umich.edu/publications/policy_briefs/brief9/policy_brief9.pdf
- CVRF (Coastal Villages Region Fund). 2013. CVRF Announces 2012 Audited Revenue of \$115.4 Million - \$28 Million Provided to the CVRF Region. Accessed October 8, 2013.
<http://www.coastalvillages.org/media/in-the-news/cvrf-announces-2012-audited-revenue-of-1154-million-28-million-provided-to-the-cvr>
- Cyrus, DP and SJM Blaber. 1987a. The influence of turbidity on juvenile marine fishes in estuaries, part 1. Field studies at Lake St. Lucia on the southeastern coast of Africa. *Journal of Experimental Marine Biology and Ecology* 109(1):53-70.
- Cyrus, DP and SJM Blaber. 1987b. The influence of turbidity on juvenile marine fishes in estuaries, part 2. Laboratory studies, comparisons with field data and conclusions. *Journal of Experimental Marine Biology and Ecology* 109(1):71-91.
- Czapla, P and S Wright. 2012. Interior Alaska Revegetation and Erosion Guide. Alaska Department of Natural Resources. Alaska Plant Materials Center, Palmer, Alaska.
<http://plants.alaska.gov/reveg/interior.htm>
- Dagan, G and S Lessof. 2011. Flow to partially penetrating wells in unconfined heterogeneous aquifers: Mean head and interpretation of pumping tests. *Water Resources Research*, Vol.47, W06520.
- Dahne, M, A Gilles, K Lucke, V Peschko, S Adler, K Krugel, J Sundermeyer, and U Siebert. 2013. Effects of Pile-Driving on Harbour Porpoises (*Phocoena phocoena*) at the First Offshore Wind Farm in Germany. *Environ Res Lett.* 8:1-16. doi:10.1088/1748-9326/8/2/025002.
- Damas, D, editor. 1984. Handbook of North American Indians. W. C. Sturtevant (general series editor). Smithsonian Institution Press, Washington DC. Arctic 5:224-242.
- Dau, CP and EJ Mallek. 2009. Aerial Survey of Emperor Geese and Other Waterbirds in Southwestern Alaska, Spring 2009. Report for the US Fish and Wildlife Service, Migratory Bird Management. Anchorage, AK.
- Dau, CP. 1991. Population size and migratory phenology of Soviet breeding Steller's eiders at the Izembek National Wildlife Refuge. (Abstract) Alaska Bird Conf. and Workshop: Shared avian resources of Beringia. Nov. 19-22, 1991. Anchorage, AK.
- David, JA. 2006. Likely Sensitivity of Bottlenose Dolphins to Pile-Driving Noise. *Water and Environment Journal* 20: 48-54.
- Davies, MP and S Rice. 2002. Dry Stack Filtered Tailings. *Mining Environmental Management*. January 2002. p 10-13.

- Davies, MP. 2002. Tailings Impoundment Failures: Are Geotechnical Engineers Listening? *Geotechnical News*, September 2002. p. 31-36.
- Davis, N. 2001. *Permafrost: A Guide to Frozen Ground in Transition*. University of Alaska Press. Fairbanks, Alaska. pp 351.
- Davis, TJ. 2015. Personal communication. Invasive Species Program Coordinator. Alaska Department of Fish and Game. RE: Marine and Aquatic Invasive Concerns, Proposed Donlin Mine. July 8, 2015. Elizabeth Bella, AECOM.
- Day, S. 2013. Personal communication. SRK. Definitions of Phase 1 and 2 Tailings at Donlin. December 17, 2013. Lorraine Filipek, URS.
- DCCED (Alaska Department of Commerce, Community, and Economic Development). 2013a. "Professional License Search". <http://commerce.alaska.gov/dnn/cbpl/ProfessionalLicensing/ProfessionalLicenseSearch.aspx>
- DCCED. 2013b. Alaska Taxable Database. DCCED, Division of Community and Regional Affairs. Accessed October 24, 2013. http://www.commerce.state.ak.us/dca/osa/osa_summary.cfm
- DCCED. 2014a. Community Database Online; Crooked Creek. Division of Community and Regional Affairs. Accessed January 21, 2014. <http://commerce.alaska.gov/cra/DCRAExternal/community>.
- DCCED. 2014b. Community Database Online; Bethel. Division of Community and Regional Affairs. Accessed January 21, 2014. <http://commerce.alaska.gov/cra/DCRAExternal/community>.
- DCCED. 2014c. Community Database Online. Division of Community and Regional Affairs. Accessed February 10, 2014. <http://commerce.alaska.gov/cra/DCRAExternal/Query?reportType=communityReport>
- DCCED. 2015. Alaska Taxable 2014. Anchorage, AK. Available from: <https://www.commerce.alaska.gov/web/Portals/4/pub/OSA/14Taxable.pdf>
- DCCED. 2017. Community Database Online. Division of Community and Regional Affairs. Accessed March 3, 2017. <https://www.commerce.alaska.gov/web/dcra/ResearchAnalysis.aspx>
- DCCED. 2017b. Alaska Taxable 2016. DCCED, Division of Community and Regional Affairs. Accessed March 29, 2017. <https://www.commerce.alaska.gov/dcra/DCRARepoExt/RepoPubs/Taxable/2016-Supplement-NEW!.pdf>
- de Laguna, F. 1969–1970. *The Atna of the Copper River, Alaska: The World of Men and Animals*. Folk 11/12:17–26.
- Decker, J, SC Bergman, RB Blodgett, SE Box, TK Bundtzen, JG Clough, WL Coonrad, WG Gilbert, ML Miller, JM Murphy, MS Robinson, and WK Wallace. 1994. *Geology of Southwestern Alaska* In G Plafker and HC Berg, editors. *The Geology of Alaska: Boulder, Colorado, Geological Society of America, The Geology of North America*, v. G-1.

- Decker, PL, RJ Gillis, K Helmold, and S Peterson. 2012a. Summary of Fossil Fuel and Geothermal Resource Potential in the Aleutians Energy Region. *In* RF Swenson, MA Wartes, DL LePain, and JG Clough, editors. Fossil Fuel and Geothermal Energy Sources for Local Use in Alaska, Alaska Division of Geological and Geophysical Surveys. Special Report. 66, p 13-22.
- Decker, PL, RJ Gillis, K Helmold, and S Peterson. 2012b. Summary of Fossil Fuel and Geothermal Resource Potential in the Railbelt Energy Region. *In* RF Swenson, MA Wartes, DL LePain, and JG Clough, editors. Fossil Fuel and Geothermal Energy Sources for Local Use in Alaska, Alaska Division of Geological and Geophysical Surveys. Special Report 66, p 95-112.
- Dehn, LA, GG Sheffield, EH Follmann, LK Duffy, DL Thomas, and TM O'Hara. 2007. Feeding ecology of phocid seals and some walrus in the Alaskan and Canadian Arctic as determined by stomach contents and stable isotope analysis. *Polar Biology* 30:167-181.
- Demer, L. 2014. Archaeologists rush to save Yup'ik treasures threatened by vanishing shoreline. August 30, 2014. Alaska Dispatch News. Accessed September 25, 2015. <http://www.adn.com/article/20140830/archaeologists-rush-save-yupik-treasures-threatened-vanishing-shoreline>.
- Demer, L. 2016a. With mine project looming, Western Alaska villages consider a new borough. Alaska Dispatch News. May 14, 2016. Accessed April 24, 2017. <https://www.adn.com/rural-alaska/article/middle-kuskokwim-villages-debate-something-new-borough/2016/05/15/>
- Demer, L. 2016b. Tribal meeting begins in Bethel amid questions about Native nonprofit. Alaska Dispatch News. April 5, 2016. Accessed April 24, 2017. <https://www.adn.com/rural-alaska/article/tribal-meeting-begins-bethel-amid-questions-about-native-nonprofit/2016/04/06/>
- Demer, L. 2017a. Western Alaska fish plant won't open again this year. March 3, 2017. Alaska Dispatch News. Accessed April 24, 2017. <https://www.adn.com/voices/article/would-you-pay-whiff-alaskan-springtime/2013/05/11/>
- Demer, L. 2017b. Fish buyer to open a market for Kuskokwim silvers with floating processor in Bethel. Alaska Dispatch News. Accessed April 24, 2017. <https://www.adn.com/alaska-news/rural-alaska/2017/03/03/fish-buyer-to-open-a-market-for-kuskokwim-silvers-with-floating-processor-in-bethel/>
- Demer, L. 2017c. New brand of borough aimed at cheaper energy, but critics worry it would do more harm than good. Alaska Dispatch News. February 2, 2017. Accessed April 24, 2017. <https://www.adn.com/alaska-news/rural-alaska/2017/01/30/new-brand-of-borough-aimed-at-better-cheaper-energy-but-critics-worry-it-could-harm-not-help/>
- DeVelice, RL, CJ Hubbard, K Boggs, S Boudreau, M Potkin, T Boucher, and C Wertheim. 1999. Plant Community Types of the Chugach National Forest: Southcentral Alaska. USDA Forest Service, R10-TP-76.
- Dey, M, K Williams, and R Coulton. 2009. Treatment of arsenic rich waters by the HDS process. *Journal of Geochemical Exploration* 100 (2-3):160-162.

- Dial, RJ, EE Berg, K Timm, A McMahon, and J Geek . 2007. Changes in the alpine forest-tundra ecotone commensurate with recent warming in southcentral Alaska: Evidence from orthophotos and field plots. *Journal of Geophysical Research* 112:G04015. doi: 10.1029/2007JG000453.
- Diavik Diamonds Project. 1999. Review of Diavik Diamonds Project, Socio-Economic Environmental Effects Report: Impacts on Women and Families. March 5. Available online at: http://www.statusofwomen.nt.ca/download/review_diavik.pdf
- Dischner, M. 2014. Kuskokwim Corp. inks deal with Donlin Gold. *Alaska Journal of Commerce*. Accessed August 18, 2015. <http://www.alaskajournal.com/Alaska-Journal-of-Commerce/July-Issue-4-2014/Kuskokwim-Corp-inks-deal-with-Donlin-Gold/>
- DiVittorio, J, M Grodowitz, J Snow, and T Manross. 2010. Inspection and Cleaning Manual for Equipment and Vehicles to Prevent the Spread of Invasive Species. Technical Memorandum No. 86-68220-07-05. Bureau of Reclamation, Denver, CO.
- Dixon, JP, SD Stihler, JA Power, M Haney, T Parker, C Searcy, and S Prejean. 2013. Catalog of Earthquake Hypocenters at Alaskan Volcanoes: January 1 through December 31, 2012. US Geological Survey Data Series 789.
- DMA (Duane Miller Associates, LLC). 2007a. Summary of Field Exploration BTC Access Route, August 15, 2007.
- DMA. 2007b. Summary of Field Exploration Jungjuk Port Site, August 15, 2007.
- DMV (Alaska Department of Administration, Division of Motor Vehicles). 2013. Research and Statistics, Currently Registered Boats 2001 – 2012. Accessed October 7, 2013. <http://doa.alaska.gov/dmv/research.htm>.
- Donlin Gold (Donlin Gold, LLC). No Date. Planning For Your Future: Jobs with Donlin Gold. Anchorage, AK.
- Donlin Gold. 2011. Project Update. Anchorage, AK. August 2011.
- Donlin Gold. 2012. Project Summary. Anchorage, AK.
- Donlin Gold. 2013a. Compressor Station Gas Temp Distance Curve. File name: Hydraulics Appendix 1. Received from Robert (Nick) Enos August 27, 2013.
- Donlin Gold. 2013b. Mine Site Facilities Study Area GIS Data Set. Displays Land Status of Mine Site Facilities Area. Donlin_Land_Status_130726.gdb/LandStatus_Poly. Received July 31, 2013.
- Donlin Gold. 2013c. Pipeline Study Area GIS Data Set. Displays land status of pipeline area. LAND_STATUS_131010.mdb/GLS_Land_Status_Poly_131010. Received January 23, 2014.
- Donlin Gold. 2013d. Donlin Gold EIS Diesel Pipeline Alternative, Tyonek North Forelands Fuel Dock Estimate. December 4.
- Donlin Gold. 2013e. Technical Memorandum: Proposed River Barge Stranding Response Methodology. RFAI #2. James Fuego, Study Manager, Donlin Gold to Robert (Nick) Enos, Donlin Gold. October 28, 2013.

- Donlin Gold. 2014a. Technical Memorandum: Waste Rock Storage Facility Hydraulic Containment Liner. James Fuego, Study Manager, Donlin Gold to Robert (Nick) Enos, Donlin Gold. March 31, 2014.
- Donlin Gold. 2014b. Technical Memorandum: Changes to Air Impacts from Alternative 5A, Dry Stack Tailings. Mike Rieser, Donlin Gold to James Fuego, Donlin Gold. September 4, 2014.
- Donlin Gold. 2014c. Comments on Donlin Gold Project EIS: Chapter 4 Phase I, Section 3.4. Prepared by Donlin Gold and submitted to Corps. December 8 and December 15, 2014
- Donlin Gold. 2014d. Memorandum: Mercury Management Overview. Robert (Nick) Enos, Donlin Gold to Don Kuhle, US Army Corps of Engineers. June 25, 2014.
- Donlin Gold. 2014e. Donlin Gold Newsletter, July/ August 2014. Accessed August 18, 2015. http://www.donlingold.com/wordpress/wp-content/uploads/2011/01/DON_14_0228_07_JulAug_NL_LR.pdf
- Donlin Gold. 2015. Memorandum: Donlin Gold Project, Financial Assurance Information for the Environmental Impact Statement. Robert (Nick) Enos, Donlin Gold, to Keith Gordon, USACE. March 12, 2015. 8 pp.
- Donlin Gold. 2015b. Memorandum: Donlin Gold Project; Alternative 5D, Excess Water Treatment & Discharge. Robert (Nick) Enos, Donlin Gold, to Keith Gordon, USACE and Taylor Brelsford, AECOM. February 26, 2015. 13 pp.
- Donlin Gold. 2015c. Memorandum: Donlin Gold Project, Proposed Area of Potential Effects (APE) for Section 106 of the National Historic Preservation Act. Robert (Nick) Enos, Donlin Gold, to Eric Williams, USACE. January 8, 2015. 31 pp.
- Donlin Gold. 2015d. Donlin PDEIS Phase 2 Comments. Prepared by Donlin Gold and submitted to Corps. June 22, 2015.
- Donlin Gold. 2015e. Memorandum: PDEIS Chapter 3.11 Wetlands Estimated Indirect Impacts. Nick Enos, Donlin Gold, to Keith Gordon, USACE and Bill Craig, AECOM. July 10, 2015.
- Donlin Gold. 2015f. Response to RFAI #61 - Fugitive Dust. Donlin Gold, LLC. March 31, 2015.
- Donlin Gold. 2015g. Memorandum: Response to RFAI #62 – Tailings Release Spill Scenario. Nick Enos, Donlin Gold Permitting Manager, to Keith Gordon, US Army Corps of Engineers Project Manager. June 12, 2015.
- Donlin Gold. 2015h. Response to RFAI #46. Donlin Gold, LLC. April 2, 2014.
- Donlin Gold. 2015i. Memorandum: PDEIS Chapter 3.13 Fish and Aquatic Resources Estimated Impacts. Nick Enos, Donlin Gold Permitting Manager, to Taylor Brelsford (AECOM) and Keith Gordon, US Army Corps of Engineers Project Manager. June 26, 2015.
- Donlin Gold. 2015j. Letter to Keith Gordon, US Army Corps of Engineers, RE: Response to Selected US EPA Comments Regarding Section 3.8 of the DEIS. Michael Rieser, Senior Environmental Engineer. August 5, 2015.
- Donlin Gold. 2016. Public Easement Plan: Donlin Gold Project. October 2016 (Revision 2).
- Donlin Gold. 2016b. Memorandum: Response to RFAI #85. Gene Weglinski (Donlin Gold) to Jon Isaacs (AECOM). July 26, 2016. Methyl Mercury and Water Quality Sampling Data, RFAI_85_response_WQ_Analytical_Results_SW_Update_3Q2013-3Q2015.xlsx

- Donlin Gold. 2016c. Memorandum: Response to RFAI #92. James Fueg to Patty McGrath. October 24, 2016. Happy River and Three Mile Airstrips for Pipeline Construction.
- Donlin Gold. 2016d. Response to RFAI #96, Dredging at Port Sites. Gene Weglinski, transmitted via email November 21, 2016.
- Donlin Gold. 2016e. Public Comments on the Draft Environmental Impact Statement. May 27, 2016.
- Donlin Gold. 2016f. Technical Memorandum: Pipeline Route Variant MP 150 to MP 220 (RFAI #91 Gene Weglinski, Donlin Gold to Patty McGrath, Donlin Gold. November 16, 2016.
- Donlin Gold. 2017a. Technical Memorandum: Groundwater Recharge in Model (RFAI #104). Mike Rieser to Gene Weglinski. March 3, 2017, 10 pp.
- Donlin Gold. 2017b. Response to RFAI #105, Use of Wells Instead of Snow Gulch Reservoir. Mike Rieser, February 24, 2017, RFAI_105_20170203_wells vs snow gulch res_Final
- Donlin Gold. 2017c. Streamflow 2012-2015.zip. Mike Rieser, transmitted via email, Subject: Streamflow data update, and groundwater model calibration details, March 3, 2017.
- Donlin Gold. 2017d. Letter to ADEC Wastewater Authorization Program, RE: Donlin Gold Project – APDES Application for Discharge. With Forms 1 and 2D and supporting material (Attachments A-E). Andrew Cole, Donlin Gold General Manager, to Alan Nakanishi, ADEC. April 4, 2017.
- Donlin Gold. 2017e. Memorandum: Project Updates, Refinements and Clarifications. March 31, 2017.
- Donlin Gold. 2017f. Response to RFAI #86, Technical Memorandum: Collocated Diesel and Natural Gas Pipelines. January 25, 2017. RFAI_86_20170126_Collocated Pipelines with Cover Letter
- Donlin Gold. 2017g. Mine Site Facilities Study Area GIS Data Set. Displays Land Status of Mine Site Facilities Area. Donlin_Land_Status_170615.gdb/GLS_Land_Status_Poly_170615. Received July 16, 2017.
- Donlin Gold. 2017h. Donlin Gold Project – Preliminary Final EIS Comments. September 11, 2017.
- Donlin Gold. 2017i. Barge Count. Dan Graham, PE, Permit and Environmental Manager to Bill Craig and Elizabeth Bella, AECOM. October 2, 2017.
- Donlin Gold. 2017j. Memorandum: RFAI #107 – Clarification/Data Request for Missing Water Level Data. Michael Rieser, November 1, 2017.
- Donlin Gold. 2017k. Proposed Modifications to the Donlin Gold PoD for Proposed Natural Gas Pipeline Project. Letter Re: Supplemental Information for the Donlin Gold Natural Gas Pipeline State Pipeline Right-of-Way Lease Application (ADL 231908). Dan Graham, PE, Permit and Environmental Manager, Donlin Gold to Jason Walsh, State Pipeline Coordinator’s Office. December 7, 2017.
- Donlin Gold. 2017l. Public Easement Plan: Donlin Gold Project. December 2017 (Revision 5).
- Donlin Gold. 2017m. Memorandum, Kuskokwim River Pipeline Option – Preliminary Assessment. Donlin Permit Group. November 13, 2017.

- Donlin Gold. 2017n. Memorandum, Response to Nov 20 Request – EPA Comment 270. Dan Graham, PE, Permit and Environmental Manager, Donlin Gold to Bill Craig, AECOM. Email December 11, 2017 and Response_to_B_Craig_11202017_request_FINAL.pdf.
- Donlin Gold. 2017o. Memorandum, Loading of Mercury and Sulfate to Crooked Creek from WTP Discharge. Michael Rieser, Senior Environmental Engineer to Dan Graham, Permit and Environmental Manager, Donlin Gold. October 30, 2017. 5 pp.
- Donlin Gold. 2017p. Response to RFAI #87, Technical Memorandum: Alt 3B Variants. January 25, 2017. RFAI_87_Response_20170126_Alternative 3B Variants with Cover Letter
- Donlin Gold. 2018a. Letter to Richard Darden, US Army Corps of Engineers, RE: Donlin Gold's Comments to the November 2, 2017 National Marine Fisheries Service (NMFS) Essential Fish Habitat (EFH) Recommendations. Daniel Graham, PE. January 4, 2018.
- Donlin Gold. 2018b. Technical Memorandum: Additional Final EIS Design Features. Gene Weglinski, Senior Permitting Coordinator to Ruchard Darden, US Army Corps of Engineers. January 15, 2018.
- Dorava, JM and EV Hogan. 1995. Environmental Overview and Hydrogeologic Conditions at Bethel, Alaska, US Geological Survey. Open File Report 95-173. Prepared in cooperation with the Federal Aviation Administration, 17 pp.
- Dorava, JM and GW Moore. 1997. Effects of boatwakes on streambank erosion Kenai, River, Alaska. US Geological Survey - Water-Resources Investigations Report 97-4105. 84 pp.
- Dorava, JM. 1994. Environmental Overview and Hydrogeologic Conditions at Aniak, Alaska. US Geological Survey Open-File Report 94-85.
- Doroff, AM, JA Estes, MT Tinker, DM Burn, and TJ Evans. 2003. Sea otter population declines in the Aleutian Archipelago. *Journal of Mammalogy* 84(1):55-64.
- Drewes, H, GD Fraser, GL Snyder, and HF Barnett Jr. 1961. Geology of Unalaska Island and Adjacent Insular Shelf, Aleutian Islands, Alaska-Investigations of Alaskan Volcanoes, US Geological Survey Bulletin 1028-S, p583-777.
- Drott, A., L. Lambertsson, E. Bjorn, and U. Skyllberg. 2008. Do Potential Methylation Rates Reflect Accumulated Methyl Mercury in Contaminated Sediments? *Environmental Science & Technology*, 42(1), pp. 153-158.
- Druckenmiller, P, TK Bundtzen, and RT Jacobus. 2013. Review of Fossil Localities on Non-Federal Lands in the Proposed Donlin Gold Mine Area and Natural Gas Pipeline Corridor, Southwestern Alaska. Prep. by Department of Earth Sciences, University of Alaska Museum of the North and Pacific Rim Geological Consulting, Inc., for Northern Land Use Research and Donlin Gold LLC, April 2013. 75 p.
- Dumond, DE. 1984. Prehistory of the Bering Sea Region. In *Handbook of North American Indians*. Volume 5 Arctic. Washington DC, Smithsonian Institution: 94-105.
- Dusel-Bacon, C, EO Doyle, and SE Box. 1996. Distribution, Facies, Ages, and Proposed Tectonic Associations of Regionally Metamorphosed Rocks in Southwestern Alaska and the Alaska Peninsula, US Geological Survey Professional Paper 1497-B, 30 pages, 2 sheets scale 1:1,000,000.

- Eberling, RM and EE Morrison. 1993. The Seismic Design of Waterfront Retaining Structures. Naval Civil Engineering Laboratory (NCEL) Technical Report 93-13063, January.
- Ecology and Environment, Inc. (E & E). 2016. Final Feasibility Study, Red Devil Mine, Alaska. Prepared for the U.S. Department of the Interior, Bureau of Land Management, Anchorage, Alaska. March.
- Eide, S and S Miller, as revised by L Van Daele. 2008. Brown bear. Alaska Department of Fish and Game Wildlife Notebook Series. Accessed September 30, 2013. Available online: <http://www.adfg.alaska.gov/index.cfm?adfg=animals.listmammals>
- Eisler, R and SN Wiemeyer. 2004. Cyanide Hazards to Plants and Animals from Gold Mining and Related Water Issues. Reviews of Environmental Contamination and Toxicology 183:21-54.
- Eisler, R. 1988. Arsenic hazards to fish, wildlife, and invertebrates: a synoptic review. US Fish Wildl. Serv. Biol. Rep. 85(1.12).
- Elder, WP and JW Miller. 1991. Maps showing fossil localities and checklists of Jurassic and Cretaceous macrofauna of western Alaska, US Geological Survey Open File Report 91-629, 71 pages, 7 sheets, scale 1:500,000.
- Elder, WP and SE Box. 1992. Late Cretaceous Inoceramid Bivalves of the Kuskokwim Basin, Southwestern Alaska, and Their Implications for Basin Evolution, Journal of Paleontology, The Paleontological Society Memoir Vol. 26, Supplement to Vol. 66, no. 2, March 1992, p 1-39.
- Electric Power Research Institute (EPRI). 2013. Dynamic Mercury Cycling Model (D-MCM) v4.0. www.epri.com/#/pages/product/3002002518/.
- Elison, T, A Tiernan, and D Taylor. 2015. 2012 Kuskokwim area management report. Alaska Department of Fish and Game. Fishery Management Report No. 15-29, Anchorage.
- EMEP/EEA (European Monitoring and Evaluation Programme/European Environment Agency. 2013. Emission Inventory Guidebook, Part B, Section 1.A.3.a, published August 29, 2013; website: <http://www.eea.europa.eu/publications/emep-eea-guidebook-2013>.
- Emmett, WW. 1972. The Hydraulic Geometry of Some Alaskan Streams South of the Yukon River. Prepared for the US Department of the Interior, Geological Survey, July 1972, 110 pp.
- Endpcnoise.com. 2014. dBA (decibel) Scale Examples. Accessed January 3, 2015. <http://www.endpcnoise.com/cgi-bin/e/decibels.html>
- Enos, RN. 2013a. Personal communication. Environmental & Permitting Manager. Donlin Gold Response to RFAI #40. December 11, 2013. Dave Every. URS.
- Enos, RN. 2013b. Personal communication. Environmental & Permitting Manager. Donlin Gold. Remaining data/document needs for Donlin geochem (#15, 16, 27, 28); and file Data Request 79.zip. September 11, 2013. Nancy Darigo. URS.
- Enos, RN. 2013c. Personal communication. Environmental & Permitting Manager. Donlin Gold. AP and NP schedule 090413.xls. September 6 2013. Nancy Darigo. URS.

- Enos, RN. 2013d. Personal communication. Environmental & Permitting Manager. Donlin Gold. Response to RFAI #9. December 30, 2013. Bill Craig. URS.
- Enos, RN. 2013e. Personal communication. Environmental & Permitting Manager. Donlin Gold. Response to RFAI #22. Pipeline Class Locations and High Consequence Areas. November 1, 2013. Mike Nagy. Cardno, Inc.
- Enos, RN. 2014. Personal communication. Environmental & Permitting Manager. Donlin Gold. RFAI #54 Average Daily Flow (ADF) criteria for barging on Lower Kuskokwim River. June 30, 2014. Taylor Brelsford. URS.
- Enos, RN. 2015. Personal communication. Environmental & Permitting Manager. Donlin Gold. Response to RFI #56. Mercury and Cyanide Spill Response. March 6, 2015.
- Enos, RN. 2015b. Response to RFAI #77 on PDEIS EPA Comment 116 on Section 3.8. September 2, 2015.
- Entrix, Inc. 2008. Spatial Analysis of Beach Susceptibility for Stranding of Juvenile Salmonids by Ship Wakes. Prepared for the Port of Vancouver. Vancouver, Washington. February 2008.
- Environ (Environ International Corporation). 2012. WRF Meteorological Modeling: Donlin Gold Project, Alaska. Report prepared March 2012, Novato, CA.
- Environ. 2013. Monitoring of Baseline Air Concentration and Deposition of Mercury for the Donlin Gold Project. Prepared for the Donlin Gold Project, Alaska. December 2013.
- Environ. 2014a. Modeling of Local Impacts of Mercury Air Emissions from Stacks and Fugitive Sources: Donlin Gold Mine, Alaska. Final Report, June 2014. Project Number 06-26405E. Prepared for Donlin Gold, Anchorage Alaska. 49 pp.
- Environ. 2014b. Global Atmospheric Mercury Modeling to Estimate Mercury Background Source Contributions in Alaska and Near the Donlin Gold Project. Prepared for the Donlin Gold Project. June 2014.
- Environ. 2014c. Regional Atmospheric Mercury Modeling with CMAQ for the Donlin Gold Project, Final Report. June 2014.
- Environ. 2015. Modeling of Local Impacts of Mercury Air Emissions from Stacks and Fugitive Sources, Advanced Water Treatment Scenario: Donlin Gold Mine, Alaska. Final Report, September 10, 2015. Project Number 06-26405E. Prepared for Donlin Gold, Anchorage Alaska. 46 pp.
- Environment Canada. 2011. Canada's Emissions Trends. Accessed June 12, 2014.
<http://www.ec.gc.ca/doc/publications/cc/COM1374/ec-com1374-en-es.htm>
- Environment and Climate Change Canada. 2016. Canadian Mercury Science Assessment Report. Gatineau, QC. 793 p.
- EPA (US Environmental Protection Agency). 1974. Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety. (USEPA 550/9-74-004). Accessed September 9, 2013.
<http://www.nonoise.org/library/levels74/levels74.htm>

- EPA. 1978. Protective Noise Levels. (USEPA 550/9-79-100). Accessed September 9, 2013.
<http://nepis.epa.gov>
- EPA. 1989. Risk Assessment Guidance for Superfund Volume I Human Health Evaluation Manual (Part A). Office of Emergency and Remedial Response US Environmental Protection Agency Washington, DC. 20450. EPA/540/1-89/002 December 1989. Available at: http://www.epa.gov/oswer/riskassessment/ragsa/pdf/rags_a.pdf
- EPA. 1992. Supplemental Guidance to RAGS: Calculating the Concentration Term. Publication 9285.7-081. United States Environmental Protection Agency, Office of Solid Waste and Emergency Response. May 1992.
- EPA. 1997. Mercury Study Report to Congress. Volume VI: An Ecological Assessment for Anthropogenic Mercury Emissions in the United States.
- EPA. 1997b. Mercury Study Report to Congress. Volume I: Executive Summary. EPA-452/R-97-003.
- EPA. 1997c. An SAB Report: Review of the EPA Draft Mercury Study Report to Congress. United States Environmental Protection Agency, Science Advisory Board, Mercury Review Subcommittee. EPA-SAB-EC-98-001.
- EPA. 1998a. Method 1630, Methyl Mercury in Water by Distillation, Aqueous Ethylation, Purge and Trap, and Cold Vapor Atomic Fluorescence Spectrometry. Office of Water. August 1998.
- EPA. 1998b. Guidelines for Ecological Risk Assessment. Federal Register 63(93). May 14, 1998.
- EPA. 1999a. 40 CFR Part 51. Regional Haze Regulations; Final Rule. July 1, 1999.
- EPA. 1999b. Understanding Oil Spills and Oil Spill Response. Office of Emergency and Remedial Response. EPA 540-K-99-007.
- EPA. 2001a. Functions and Values of Wetlands. EPA 843-F-01-002c. September 2001. Prepared by Office of Water, Office of Wetlands, and Oceans and Watersheds, US Environmental Protection Agency, Washington, DC. 2 pp. Accessed September 16, 2013.
http://water.epa.gov/type/wetlands/upload/2006_08_11_wetlands_fun_val.pdf
- EPA. 2001b. National Land Cover Data (NLCD). Accessed August 2014.
<http://www.epa.gov/mrlc/nlcd-2001.html>
- EPA. 2002. Method 1631, Revision E: Mercury in Water by Oxidation, Purge and Trap, and Cold Vapor Atomic Fluorescence Spectrometry. EPA-821-R-02-019. Office of Water. August 2002.
- EPA. 2002b. Role of Background in the CERCLA Cleanup Program. US Environmental Protection Agency Office of Solid Waste and Emergency Response Office of Emergency and Remedial Response April 26, 2002 OSWER 9285.6-07P. Available at:
<http://www.epa.gov/oswer/riskassessment/pdf/role.pdf>. Accessed October 05, 2015.
- EPA. 2002c. Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. Office of Emergency and Remedial Response, US Environmental Protection Agency, Report No. OSWER 9285.6-10.

- EPA. 2005. Human Health Risk Assessment Protocol for Hazardous Waste Combustion Facilities. U.S. EPA Office of Solid Waste and Emergency Response, Washington, DC. EPA520-R-05-006.
- EPA. 2006. Compilation of Air Pollutant Emission Factors (AP-42); Section 13.2.2. November 2006. Retrieved from <http://www.epa.gov/ttn/chief/ap42/ch13/final/c13s0202.pdf>, accessed January 8, 2015.
- EPA. 2007. Developing Your Stormwater Pollution Prevention Plan: A Guide for Construction Sites. EPA 8333-R-06-004.
- EPA. 2008. Exposure Assessment Models: SERAFM and SERAFM Download. www.epa.gov/exposure-assessment-models/serafm. Accessed January 12, 2018.
- EPA. 2009a. Endangerment and Cause or Contribute Findings for Greenhouse Gases under Section 202(a) of the Clean Air Act; Final Rule, 74 Federal Register 239. December 15, 2009. p. 66496-66546. Accessed November 17, 2013. http://www.epa.gov/climatechange/Downloads/endangerment/Federal_Register-EPA-HQ-OAR-2009-0171-Dec.15-09.pdf
- EPA. 2009b. 74 Federal Register 209, 40 CFR 98. Mandatory Greenhouse Gas Reporting, Final Rule. October 30, 2009, pp. 56373 - 56519. Accessed November 19, 2013. <http://www.epa.gov/ghgreporting/documents/pdf/2009/GHG-MRR-FinalRule.pdf>
- EPA. 2009c. Current Methodologies in Preparing Mobile Source Port-Related Emission Inventories Final Report. April 2009. http://www.epa.gov/sectors/sectorinfo/sector_profiles/ports/ports-emission-inv-april09.pdf
- EPA. 2009d. Recommended Best Practice for Quantifying Speciated Organic Gas Emissions from Aircraft Equipped with Turbofan, Turbojet, and Turboprop Engines, Version 1.0. <http://www.epa.gov/nonroad/aviation/420r09901.pdf>
- EPA. 2009e. ProUCL Version 4.00.04, Technical Guide (Draft). EPA/600/R-07/041. National Exposure Research Lab, Las Vegas, Nevada. February.
- EPA. 2010a. Guidance for Implementing the January 2001 Methylmercury Water Quality Criterion. Office of Science and Technology (4305T). April 2010. <http://water.epa.gov/scitech/swguidance/standards/criteria/aqlife/methylmercury/upload/mercury2010.pdf>
- EPA. 2010b. Acute exposure guideline levels for mercury vapor. Interim. Accessed September 8, 2014. <http://www.epa.gov/oppt/aegl/pubs/rest184.htm>
- EPA. 2010c. Calculating Piston-Engine Aircraft Airport Inventories for Lead for the 2008 National Emissions Inventory. December 2010. pp 3, 14. Accessed September 15, 2014. <http://www.epa.gov/otaq/regs/nonroad/aviation/420b10044.pdf>
- EPA. 2010d. Methane and Nitrous Oxide Emissions from Natural Sources. Office of Atmospheric Programs, EPA 430-10-001. April 2010.
- EPA. 2012. Our Nation's Air, Status and Trends Through 2010, Climate Change and Air Quality. February 2012. Accessed November 19, 2013. <http://www.epa.gov/airtrends/2011/report/climatechange.pdf>

- EPA. 2013a. EPA, Air and Radiation, National Ambient Air Quality Standards. Accessed October 18, 2013. <http://epa.gov/air/criteria.html>
- EPA. 2013b. EPA, Air Data. Accessed October 30, 2013. <http://www.epa.gov/airquality/airdata/>
- EPA. 2013d. EPA, Air Data, Interactive Map, Spreadsheet Files. Accessed November 4, 2013. http://www.epa.gov/airquality/airdata/ad_maps.html#csvfiles
- EPA. 2013f. 78 Federal Register 230, 40 CFR 98. 2013 Revisions to the Greenhouse Gas Reporting Rule and Final Confidentiality Determinations for New or Substantially Revised Data Elements; Final Rule, November 29, 2013, pp. 71904 - 71981. Accessed December 4, 2013 <http://www.gpo.gov/fdsys/pkg/FR-2013-11-29/pdf/2013-27996.pdf>
- EPA. 2013g. 40 CFR 81, Subpart D. December 4, 2013. Accessed December 4, 2013. www.ecfr.gov
- EPA. 2013h. EPA Air and Radiation, Noise Pollution, Noise Sources Regulated by EPA. Accessed September 26, 2013. <http://www.epa.gov/air/noise.html#regulate>
- EPA. 2013i. EPA Air and Radiation, Noise Pollution, Frequently Asked Questions. Accessed September 26, 2013. <http://publicaccess.supportportal.com/ics/support/kbanswer.asp?deptID=23012&task=knowledge&questionID=15642>
- EPA. 2013j. Drinking Water. National Primary Drinking Water Regulations. <http://water.epa.gov/drink/contaminants/index.cfm>
- EPA. 2013k. Water: State, Tribal & Territorial Standards; Repository of Documents: Alaska. http://water.epa.gov/scitech/swguidance/standards/wqslibrary/ak_index.cfm
- EPA. 2013l. CERCLIS Database. Accessed November 11, 2013. http://www.epa.gov/enviro/html/cerclis/cerclis_query.html
- EPA. 2013m. ProUCL Version 5.0.00 (Software). Accessed September. 2013. Available at: <http://www.epa.gov/osp/hstl/tsc/software.htm>
- EPA. 2014a. US EPA Clean Energy. Accessed September 7, 2014. <http://www.epa.gov/cleanenergy/energy-and-you/affect/air-emissions.html>
- EPA. 2014b. US EPA Integrated Risk Management System (IRIS). Accessed September 8, 2014. <http://www.epa.gov/IRIS>
- EPA. 2014c. Natural Gas STAR Program: Reduce your methane emissions. Accessed August 12, 2014. <http://www.epa.gov/gasstar/methaneemissions/index.html>
- EPA. 2014d. Inventory of US Greenhouse Gas Emissions and Sinks: 1990-2012. April 15, 2014. EPA 430-R-14-003. Accessed May 16, 2014. <http://www.epa.gov/climatechange/Downloads/ghgemissions/US-GHG-Inventory-2014-Main-Text.pdf>
- EPA. 2014e. Memorandum from Janet McCabe and Cynthia Giles (EPA) to Regional Administrators, Regions 1-10, "Next Steps and Preliminary Views on the Application of Clean Air Act Permitting Programs to Greenhouse Gases Following the Supreme Court's Decision in Utility Air Regulatory Group v. Environmental Protection Agency, July 24, 2014.

- EPA. 2014f. Facility Level Information on Greenhouse Gases Tool (Flight). 2013 Greenhouse Gas Emissions from Large Facilities. Accessed August 31, 2014.
<http://ghgdata.epa.gov/ghgp/main.do>
- EPA. 2014g. Memorandum from Stephen D. Page to Regional Air Directors, Subject: Guidance for PM2.5 Permit Modeling, May 20, 2014.
- EPA. 2014h. Greenhouse Gas Emissions from Large Facilities.
<http://ghgdata.epa.gov/ghgp/main.do>.
- EPA. 2014i. Plan Environmental Justice 2014 Progress Report. February 2014. Accessed November 2015. <http://www3.epa.gov/environmentaljustice/resources/policy/plan-ej-2014/plan-ej-progress-report-2014.pdf>
- EPA. 2014j. Emission Factors for Greenhouse Gas Inventories.
https://www.epa.gov/sites/production/files/2015-07/documents/emission-factors_2014.pdf
- EPA. 2015. Comments on the Draft Donlin Gold Project EIS, Chapter 3, Environmental Consequences Section. December 2014.
- EPA. 2015a. Human Health Risk Assessment Site Conceptual Models. EPA website. Accessed October 5, 2015. Available at: <http://www2.epa.gov/region8/human-health-risk-assessment-site-conceptual-models>
- EPA. 2015b. Arsenic. Basic Information About the Arsenic Rule. Accessed October 05, 2015. Available at: <http://water.epa.gov/lawsregs/rulesregs/sdwa/arsenic/Basic-Information.cfm>
- EPA. 2015c. Mercury. Health Effects. Accessed October 05, 2015. Available at: <http://www.epa.gov/mercury/effects.htm>
- EPA. 2015d. Cyanide Compounds. Technology Transfer Network – Air Toxics Web Site. Accessed October 05, 2015. Available at: <http://www3.epa.gov/airtoxics/hlthef/cyanide.html>
- EPA. 2016. Regional Screening Levels, May 2016.
- EPA. 2017. Summary of the Comprehensive Environmental Response, Compensation, and Liability Act (Superfund). And Summary of the Emergency Planning and Community Right-to-Know Act. Accessed January 19, 2017. <https://www.epa.gov/laws-regulations/summary-comprehensive-environmental-response-compensation-and-liability-act>; <https://www.epa.gov/laws-regulations/summary-emergency-planning-community-right-know-act>
- EPA. 2017b. Donlin Gold Project, Scope of Work for the Human Health Risk Assessment, EPA Comments/Recommendations, February 27, 2017.
- EPA. 2017c. Safe Drinking Water Act (SDWA). <https://www.epa.gov/sdwa>, updated January 12, 2017, accessed September 2017.
- EPA, Department of the Army, U.S. Fish and Wildlife and National Marine Fisheries Service (NOAA). 1994. Alaska Wetlands Initiative Summary Report. USEPA, Dept. of the Army, US Fish and Wildlife Service, and National Marine Fisheries Service. May 13, 1994. 46 pp.

- ERM (Environmental Resources Management). 2014. Kuskokwim River Fuel Barge Oil Spill Risk Assessment. Prepared for Donlin Gold, LLC. February 2014.
- ERM. 2015. Addendum to Ecological Risk Assessment (ERA) for the Proposed Donlin Pit Lake, for the Revised Water Management Advanced Water Treatment. Memo Submitted to Nick Enos of Donlin Gold by Penny Hunter of ERM. August 31, 2015.
- ERM. 2017. Memorandum: Updated Risk Assessment Conceptual Site Model for the Donlin Gold Project. To Mike Rieser and Gene Weglinski (Donlin Gold), from Penny Hunter (ERM), 8 p. March 30, 2017.
- ERM. 2017b. Human Health Risk Assessment for the Donlin Gold Project, Alaska. Prepared for Donlin Gold, LLC, ERM Project #0401326, June 2017.
- ERM. 2017c. Dutch Harbor to Bethel Fuel Barge Oil Spill Risk Assessment. Final, January 2017. Prepared for Donlin Gold, LLC. 46 pp.
- ERM. 2017d. Human Health Risk Assessment for the Donlin Gold Project, Alaska. Prepared for Donlin Gold, LLC, ERM Project #0401326, December 2017.
Donlin_Gold_Project_Final_HHRA_20171208.pdf
- Erritzoe, J, TD Mazgajski, and L Rejt. 2003. Bird Casualties on European Roads – A Review. *Acta Ornithologica* 38(2).
- Etkin, DS. 2006. Risk Assessment of Oil Spills to US Inland Waterways. Accessed January 25, 2013. http://www.environmental-research.com/erc_papers/ERC_paper_16.pdf.
- Euskirchen, ES, AD McGuire, FS Chapin III, and TS Rupp. 2010. The changing effects of Alaska's boreal forests on the climate system. *Can. J. For. Res.* 40(2010):1336-1346.
- Executive Office of the President. 2013. Accessed November 2015.
<https://www.whitehouse.gov/sites/default/files/image/president27sclimateactionplan.pdf>
- Euskirchen, ES, AD McGuire, TS Rupp, FS Chapin III, and JE Walsh. 2009. Projected changes in atmospheric heating due to changes in fire disturbance and the snow season in the western Arctic, 2003-2100. *Journal of Geophysical Research*. 114:G04022.
- FAA (Federal Aviation Administration). 2009. Guidance for Quantifying Speciated Organic Gas Emissions from Airport Sources. https://www.faa.gov/regulations_policies/policy_guidance/envir_policy/media/Guidance%20for%20Quantifying%20Speciated%20Organic%20Gas%20Emissions%20from%20Airport%20Sources.pdf
- FAA. 2012. Federal Aviation Administration, General Aviation and Part 135 Activity Surveys - CY 2012, Chapter V Fuel Consumption. Accessed September 11, 2014. http://www.faa.gov/data_research/aviation_data_statistics/general_aviation/CY2012/
- FAA. 2017. Airport Master Records. Available from Airport IQ 5010. Accessed March, 2017. <http://www.gcr1.com/5010web/>
- Fall, JA and DS Koster. 2013. Subsistence Harvests of Pacific Halibut in Alaska, 2011. Alaska Department of Fish and Game, Division of Subsistence. Technical Paper No. 378.

- Fall, JA, CL Brown, NM Braem, L Hutchinson-Scarborough, DS Koster, TM Krieg, AR Brenner. 2012. Subsistence harvests and uses in three Bering Sea communities, 2008: Akutan, Emmonak, and Togiak. ADF&G Division of Subsistence, Technical Paper No. 371.
- Fall, JA, editor. 2013. Report on proposed changes to non-subsistence areas. Alaska Department of Fish and Game, Division of Subsistence Technical Paper No. 386, Anchorage.
- Fall, JA, FR Miraglia, W Simeone, CJ Utermohle, and RJ Wolfe. 2001. Long-term Consequences of the "Exxon Valdez" Oil Spill for Coastal Communities of Southcentral Alaska. Alaska Department of Fish and Game, Division of Subsistence. Technical Paper No. 264.
- Fall, JA, NM Braem, CL Brown, SS Evans, L Hutchinson-Scarborough, B Jones, R La Vine, T Lemons, MA Marchioni, E Mikow, JT Ream, and LA Sill. 2014. Alaska subsistence and personal use salmon fisheries 2012 annual report. Alaska Department of Fish and Game Division of Subsistence, Technical Paper No. 406, Anchorage, AK.
- Fall, JA, WE Simeone, DL Holen, L Naves, L Hutchinson-Scarborough, T Lemons, C Brown, N Braem, JJ Simon, and TM Krieg. 2011. Alaska Subsistence Salmon Fisheries 2008 Annual Report. Alaska Department of Fish and Game, Division of Subsistence Technical Paper No. 359.
- Fall, JA, A Gudduhn, L Hutchinson-Scarborough, B. Jones, M Kukkonen, D Runfola, LA Sill, A Trainor, and T Lemons. 2017. Alaska subsistence and personal use salmon fisheries 2014 annual report. Alaska Department of Fish and Game Division of Subsistence, Technical Paper No. 427, Anchorage, AK.
- Faulkner, H, Jr. 2013. Personal communication. Harry Faulkner Jr. Construction Services. December 18, 2013. Jennifer Anderson. URS.
- Fay, FH 1982. Ecology and biology of the Pacific walrus, *Odobenus rosmarus divergens illiger*. US Fish and Wildlife Service. North American Fauna. Washington, D. C. 279 pp.
- Fay, FH, GC Ray, and A Kibal'chich. 1984. Time and Location of Mating and Associated Behavior of the Pacific Walrus, *Odobenus rosmarus divergens*, Illiger. Pages 89-99 in FA Fay and GA Fedoseev, editors. Soviet-American Cooperative Research on Marine Mammals. US Department of Commerce, National Ocean and Atmospheric Association. Anchorage, AK.
- Fay, G, A Villalobos-Meléndez, and C West. 2012. Alaska Energy Statistics 1960-2011 Preliminary Report. Institute of Social and Economic Research, University of Alaska Anchorage. Anchorage, AK.
- Fenchel, T and TH Blackburn. 1979. Bacteria and mineral cycling: London, England, Academic Press, 225 pp.
- FERC (Federal Energy Regulatory Commission). 2004. Research of Wetland Construction and Mitigation Activities for Certificated Section 7(c) Pipeline Projects. Final Report. Office of Energy Project, Federal Energy Regulatory Commission. Washington, DC. 102 pp. Accessed November 14, 2013. <http://www.ferc.gov/legal/maj-ord-reg/land-docs/2004-wet-lands.pdf>
- FERC. 2008. Bradwood Landing Project. Final Environmental Impact Statement. Cooperating Agencies: US Army Corps of Engineers, United States Coast Guard, Department of Transportation. June 2008.
- Ferguson, L, CL Duncan, and K Snodgrass. 2003. Backcountry Road Maintenance and Weed Management. 0371-2811-MTDC, Missoula, MT.

- Fernandez, E. 2013a. Personal communication. Senior Environmental Coordinator. Donlin Gold. Response to RFAI #20. November 11, 2013. Bill Craig. URS.
- Fernandez, E. 2013b. Personal communication. Senior Environmental Coordinator. Donlin Gold. Response to RFAI #17. October 24, 2013. Bill Craig. URS.
- Fernandez, E. 2013c. Personal communication. Senior Environmental Coordinator. Donlin Gold. Response to RFAI #30. December 19, 2013. Bill Craig. URS.
- Fernandez, E. 2013d. Personal communication. Senior Environmental Coordinator. Donlin Gold. Proposed Donlin Gold Project Estimated Blasting Needs. September 26, 2013. Robert (Nick) Enos. Donlin Gold.
- Fernandez, E. 2013e. Personal communication. Senior Environmental Coordinator. Donlin Gold. Response to RFAI #15. November 11, 2013. Bill Craig. URS.
- Fernandez, E. 2014a. Personal communication. Senior Environmental Coordinator. Donlin Gold. RE: Wish List for Risk Assessment, with attachment: Donlin Soil Samples 20140825.xlsx. August 25, 2014. Dave Every. URS.
- Fernandez, E. 2014b. Personal communication. Senior Environmental Coordinator. Donlin Gold. Response to RFAI #47 Kuskokwim Ports – In-River Construction & Sedimentation. May 7, 2014. Nancy Darigo. URS.
- Fernandez, E. 2014c. Personal communication. Senior Environmental Coordinator. Donlin Gold. Response to RFAI #48. Mine Geochemistry and Hydrology: Additional Questions on Proposed Action and attachments Donlin ICP Analyses As-Hg-Sb.xlsx and Donlin ABA for overburden pch 20131029.xlsx. August 6, 2014. Nancy Darigo. URS.
- Fernandez, E. 2014d. Personal Communication. Senior Environmental Coordinator. Donlin Gold. Response to RFAI #51. April 28, 2014. Bill Craig. URS.
- Fernandez, E. 2014e. Personal communication. Senior Environmental Coordinator. Donlin Gold. Response to RFAI #48. July 03, 2014. Bill Craig. URS.
- Fernandez, E. 2014f. Personal communication. Senior Environmental Coordinator. Donlin Gold. Response to RFAI #43. January 24, 2014. Nancy Darigo. URS.
- Fernandez, E. 2015. Personal communication, Senior Environmental Coordinator, Donlin Gold. Response to RFAI #59, Mine Water Outfall/Discharge. January 27, 2015. Nancy Darigo and Bill Craig. AECOM/URS.
- Fernandez, E. 2015b. Personal communication, Senior Environmental Coordinator, Donlin Gold. Email re: Wood Frogs. Dave Every, Senior Biologist, AECOM. August 25, 2015.
- Ferrians, OJ, Jr. 1965. Permafrost Map of Alaska, US Geological Survey Miscellaneous Geologic Investigation Map I-445, scale 1:2,500,000.
- Ferrians, OJ, Jr. 1994. Permafrost in Alaska. *In* G Plafker and HC Berg, editors. The Geology of Alaska: Boulder, Colorado. Geological Society of America, The Geology of North America. G-1.
- Fetter, CW. 2001. Applied Hydrogeology, Fourth Edition. University of Wisconsin-Oshkosh Merrill Publishing Company, Columbus, Ohio. P Lynch, editor.

- Feyereisen, L. 2013a. Chuathbaluk Tribal Administrator. September 18, 2013 letter to Don Kuhle, US Army Corps of Engineers.
- Feyereisen, L. 2013b. Personal communication. Louise Kling. Visual Reserve Specialist. URS. September 20, 2013.
- FHWA (Federal Highway Administration). 2006a. Chapter 9 Construction Equipment Noise Levels and Ranges. Construction Noise Handbook, Final Report August 2006. Accessed November 20, 2013. http://www.fhwa.dot.gov/environment/noise/construction_noise/handbook/handbook09.cfm
- FHWA RCNM (Roadway Construction Noise Model User's Guide). 2006b. Accessed December 4, 2013. http://www.fhwa.dot.gov/environment/noise/construction_noise/rcnm/rcnm.pdf
- FHWA TNM (Traffic Noise Model User's Guide). 2011b. Highway Traffic Noise, Chapter 2 Terminology. Updated July 15, 2011. Accessed May 8, 2014. http://www.fhwa.dot.gov/environment/noise/traffic_noise_model/old_versions/tnm_version_10/users_guide/tnm02.cfm
- FHWA. 2011a. LRFD Seismic Analysis and Design of Transportation Geotechnical Features and Structural Foundations, Reference Manual. National Highway Institute (NHI). Course Number 130094. Publication Number FWHA-NHI-11-032. August 2011.
- Field, CB, V Barros, TF Stocker, Q Dahe, DJ Dokken, G Plattner, KL Ebi, SK Allen, MD Mastrandrea, M Tignor, KJ Mach, and PM Midgley, editors. 2012. Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation. Special Report of the Intergovernmental Panel on Climate Change (IPCC). Cambridge University Press; New York.
- Fienup-Riordan, A. 1983. Nelson Island Eskimo: Social Structure and Ritual Distribution. Alaska Pacific University Press. 419 pp.
- Fienup-Riordan, A. 1990a. Eskimo Essays: Yup'ik Lives and How We See Them. Rutgers University Press; New Brunswick.
- Fienup-Riordan, A. 1990b. The Yupiit Nation: Eskimo Law and Order. In Eskimo Essays. New Brunswick and London: Rutgers University Press. p. 192-220.
- Fienup-Riordan, A. 1994. Boundaries and Passages: Rule and Ritual in Yup'ik Eskimo Oral Tradition. University of Oklahoma Press; Norman Oklahoma.
- Fierstein, J and W Hildreth. 2001. Preliminary Volcano-Hazard Assessment for the Katmai Volcanic Cluster, Alaska. US Geological Survey. Open File Report 00-489. 50 pp.
- Fierstein, J. 2012. Concluding Thoughts - Can Another Great Volcanic Eruption Happen in Alaska? In R Winfree, Project Lead, Katmai Science Studies: Alaska Park Science Journal. National Park Service 11(1).
- Filipek, LH, JV Parshley, and RJ Bowell. 2003. The Limnology of Summer Camp Pit Lake: A Case Study: Mine Water and the Environment 22:170-186.
- Filipek, LH. 2004. Complexity Theory and Pit Lakes: A Small Event Triggers Regime Change in the Summer Camp Pit Lake, Getchell Mine, NV. Interactive Pit Lakes 2004 Conference. EPA, Reno, NV, November 2004.

- Filipek, LH. 2014. Principal Geochemist, URS. Email regarding water quality variations in the Tailings Storage Facility. June 27, 2014. Tom Campbell, Senior Ecological Risk Assessor, URS.
- Finley, KJ and CR Evans. 1983. Summer diet of the bearded seal (*Erignathus barbatus*) in the Canadian High Arctic. *Arctic* 36:82-89.
- Finley, KJ and RA Davis. 1984. Reactions of Beluga Whales and Narwhals to Ship Traffic and Ice-Breaking along Ice Edges in the Eastern Canadian High Arctic, 1982-1984: An Overview. Environmental Studies Number 37. Ottawa, Ontario, Canada: Canadian DePoint of Indian Affairs and Northern Development, Northern Environmental Protection Branch, Northern Affairs Program, 42 pp.
- Finley, KJ, GW Miller, RA David, and CR Greene. 1990. Reactions of belugas, *Delphinapterus leucas*, and narwhals, *Monodon monocerus*, to ice breaking ships in the Canadian High Arctic: Canadian Bulletin of Fisheries and Aquatic Sciences 224:97-117.
- Fiorillo, AR, ST Hasiotis, and Y Kobayashi. 2014. Herd structure in Late Cretaceous polar dinosaurs: A remarkable new dinosaur tracksite, Denali National Park, Alaska, USA. *J Geology* 42(8):719-722.
- Fitzgerald, WF and CH Lamborg. 2014. Geochemistry of mercury in the environment. Treatise on Geochemistry, 2nd Edition: p. 91-129.
- Flagstad, L and H Cortés-Burns. 2010. Tracking weeds along the Iditarod National Historic Trail. Prepared for BLM-Anchorage Field Office. AKNHP, Anchorage, AK. 51 pp.
- Flanigan, B, C Freeman, R Newberry, D McCoy, and C Hart. 2000. Exploration Models for Mid and Late Cretaceous Intrusion-related Gold Deposits in Alaska and the Yukon Territory, Canada. In JK Cluer, JG Price, EM Struhsacker, RF Hardyman, and CL Morris, editors. *Geology and Ore Deposits 2000: The Great Basin and Beyond: Geological Society of Nevada Symposium Proceedings*. May 15-18, 2000. p. 591-614.
- Flanigan, B. 2011. 2011 Donlin Gold HDD Pipeline Crossing Project Core Drilling Geology. July 2011.
- Fleming, DF. 1996. Stock Assessment and Life History Studies of Whitefish in the Chatanika River During 1994 and 1995. Alaska Department of Fish and Game. Fishery Data Series Number 97-33. Anchorage, AK.
- Fleming, J. 2005. Vehicle Cleaning Technology for Controlling the Spread of Noxious Weeds and Invasive Species. USDA Forest Service, San Dimas, CA.
- Flore, L, H Keckeis, and F Schiemer. 2001. Feeding, Energetic Benefit and Swimming Capabilities of 0+ Nase (*Chondrostoma nasus* L.) in Flowing Water: An Integrative Laboratory Approach. *Archiv fur Hydrobiologie* 135(2-4):409-424.
- Forbes, BC and RL Jefferies. 1999. Revegetation of Disturbed Arctic Sites: Constraints and Applications. *Biological Conservation* 88(1999):15-24.
- Ford, J and BL Bedford. 1987. The hydrology of Alaskan wetlands, USA: A review. *Arctic and Alpine Research* 19(3):209-229.

- Ford, J and L Hasselbach. 2001. Heavy Metals in Mosses and Soils on Six Transects Along the Red Dog Mine Haul Road Alaska. Report NPS/AR/NRTR-2001/38. Western Arctic National Parklands, National Park Service. Accessed November 12, 2013. <http://dec.alaska.gov/spar/csp/docs/reddog/reddogrpt2.pdf>
- Ford, J. 2009. Killer whale - *Orcinus orca*. In: Encyclopedia of marine mammals 2nd Ed. WF Perrin, B Würsig, JGM Thewissen, editors. Academic Press, Amsterdam, p. 650-657
- Ford, JKB and HD Fisher. 1982. Killer Whale (*Orcinus orca*) Dialects as an Indicator of Stocks in British Columbia. Rep Int Whal Comm 32:671-679.
- Ford, KL. 2004. Risk Management Criteria for Metal at BLM Mining Sites. Bureau of Land Management, National Science and Technology Center. Technical Note 390 rev. October 2004. Denver, CO.
- Forgey, P. 2010. Alaska's Economy Powers Through Recession. JuneauEmpire.com. Accessed October 27, 2013. http://juneauempire.com/stories/082410/sta_699586622.shtml
- Forgey, P. 2013. Alaska Jobs Report: Unemployment Rate Continued to Fall in March. Alaska Dispatch. Accessed October 9, 2013. <http://www.alaskadispatch.com/article/20130419/alaska-jobs-report-unemployment-rate-continued-fall-march>
- Forney, KA and PR Wade. 2006. World-wide Abundance and Density of Killer Whales. p. 145-162. In JA Estes, DP DeMaster, DF Doak, TM Williams, and RL Brownell Jr, editors. Whales, Whaling, and Ocean Ecosystems. University of California Press.
- Foster, HL and TNV Karlstrom. 1967. Ground Breakage and Associated Effects in the Cook Inlet Area, Alaska, Resulting from the March 27, 1964, Earthquake. US Geological Survey Professional Paper 543-F.
- Foster, M and S Goldsmith. 2008. Replacement Cost for Public Infrastructure in Alaska: An Update. Institute for Social and Economic Research, University of Alaska, Anchorage. Anchorage, AK.
- Fournelle, JH, BD Marsh, and JD Myers. 1994. Age, Character, and Significance of Aleutian Arc Volcanism. In G Plafker and HC Berg, editors. The Geology of Alaska: Boulder, Colorado. Geological Society of America, The Geology of North America. G-1:723-757.
- Francis, CD and JR Barber. 2013. A framework for understanding noise impacts on wildlife: An urgent conservation priority. Frontiers in Ecology and the Environment 11:305-313.
- Francis, CD, CP Ortega, and A Cruz. 2009. Noise pollution changes avian communities and species interactions. Current Biology 19:1415-1419.
- Freeze, R.A. and J.A. Cherry. 1979. Groundwater. Prentice-Hall, Inc., Englewood Cliffs, NJ. 604 pp.
- Frey Mueller, JT, H Woodard, SC Cohen, R Cross, J Elliott, CF Larsen, S Hreinsdóttir, and C Zweck. 2008. Active Deformation Processes in Alaska, Based on 15 Years of GPS Measurements. In JT Freymueller, PJ Haeussler, R Wesson, and Ekström, editors. Active Tectonics and Seismic Potential of Alaska. American Geophysical Union, Geophysical Monograph 179:1-42.
- Friberg, L and J Vostal. 1972. Mercury in the environment: CRC Press, Cleveland, Ohio, 215 pp.

- Frid, A and LM Dill. 2002. Human-caused disturbance stimuli as a form of predation risk. *Conservation Ecology* 6(1):11.
- Friday, NA, AN Zerbini, JM Waite, SE Moore, and PJ 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 II* 94:244-256.
- Fried, N and B Windisch-Cole. 2005. The Northern Region. *Alaska Economic Trends* 25(3):4-15.
- Fried, N and D Robinson. 2008. Alaska's Economy Since 2000. *Alaska Economic Trends* 28(4):4-13.
- Fried, N. 2000. The Matanuska-Susitna Borough. *Alaska Economic Trends* 20(7):3-11.
- Fried, N. 2012. Year of mild growth appears on Anchorage horizon. *Alaska Economic Trends* 32(1):8-10.
- Fried, N. 2013a. Alaska's Oil and Gas Industry. *Alaska Economic Trends* 33(6):4-11.
- Fried, N. 2013b. The Matanuska-Susitna Boom. *Alaska Economic Trends* 33(2):7-9.
- Fried, N. 2013c. Anchorage poised for fourth straight year of growth. *Alaska Economic Trends* 33(1):8-10.
- Fried N. 2017. Alaska GPD Down in 2016: Fourth Year of Decline Due to Continuing Oil Losses. In: *Alaska Economic Trends*. Published by the Alaska Department of Labor & Workforce Development. July 2017. Pgs 14-16.
- Fritz, L, K Sweeney, D Johnson, M Lynn, T Gelatt, and J Gilpatrick. 2013. NOAA Technical Memorandum: Aerial and Ship-based Surveys of Steller Sea Lions (*Eumetopias jubatus*) Conducted in Alaska in June-July 2008 through 2012, and an Update on the Status and Trend of the Western Distinct Population Segment in Alaska. US Department of Commerce, National Oceanic and Atmospheric Administration. Technical Memorandum No. NMFSASFSC-251, 91 pp.
- Frost, KJ, LF Lowry, and D DeMaster. 2002. Alaska Beluga Whale Committee surveys of beluga whales in Bristol Bay, Alaska, 1999-2000. *Alaska Beluga Whale Committee Report* 02-2. 14 pp.
- Frost, KJ, LF Lowry, G Pendleton, and HR Nute. 2004. Factors affecting the observed densities of ringed seals, *Phoca hispida*, in the Alaskan Beaufort Sea, 1996-1999. *Arctic* 57:115-128.
- Frost, KJ, RB Russell, and LF Lowry. 1992. Killer whales, *Orcinus orca*, in the southeastern Bering Sea: recent sightings and predation on other marine mammals. *Marine Mammal Science* 8(2):110-119. <http://dx.doi.org/10.1111/j.1748-7692.1992.tb00370.x>
- Frost, TP and SE Box. 1991. Lithologic and Tectonic Controls on Mercury Mineralization in the Bethel Quadrangle, Southwestern Alaska. In EE Good, JF Slack, and RK Kotra, editors. *US Geological Survey Research on Mineral Resources-1991*. US Geological Survey Circular 1062.
- Frost, TP. 1990. Geology and Geochemistry of Mineralization in the Bethel Quadrangle, Southwestern Alaska. In RJ Goldfarb, JT Nash, and JW Stoesser, editors. *Geochemical Studies in Alaska by the US Geological Survey, 1989*. US Geological Survey Bulletin 1950, Chapter C.

- FSB (Federal Subsistence Board). 2016. Special Action 3-KS-06a-16. Issued June 22, 2016. Consulted October 17, 2017 at: https://www.doi.gov/sites/doi.gov/files/uploads/3-ks-06a-16_signed_rb.pdf
- FSB. 2017a. Special Action 3-KS-01-17. Issued May 3, 2017. Consulted October 17, 2017 at: https://www.doi.gov/sites/doi.gov/files/uploads/3-ks-01-17_news_release_0.pdf
- FSB. 2017b. Special Action 3-KS-02-17. Issued May 24, 2017. Consulted October 17, 2017 at: https://www.doi.gov/sites/doi.gov/files/uploads/3-ks-02-17_news_release.pdf
- FSB. 2017c. Special Action 3-KS-03-17. Issued May 30, 2017. Consulted October 17, 2017 at: https://www.doi.gov/sites/doi.gov/files/uploads/3-ks-03-17_complete.pdf
- FSB. 2017d. Special Action 3-KS-04-17. Issued June 23, 2016 [sic, actually 2017]. Consulted October 17, 2017 at: https://www.doi.gov/sites/doi.gov/files/uploads/3-ks-04-17_signed_0.pdf
- FSB. 2017e. Special Action 3-KS-06-17. Issued June 30, 2017. Consulted October 17, 2017 at: https://www.doi.gov/sites/doi.gov/files/uploads/3-ks-06-17_signed_0.pdf
- FSB. 2017f. Special Action 3-KS-07-17. Issued July 7, 2017. Consulted October 17, 2017 at: https://www.doi.gov/sites/doi.gov/files/uploads/3-ks-07-17_signed_0.pdf
- FTA (Federal Transit Administration). 2006. Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06). Accessed September 10, 2013. http://www.fta.dot.gov/documents/FTA_Noise_and_Vibration_Manual.pdf
- Fueg, J. 2014. Personal communication. Donlin Gold. RFAI 52, with attached response to RFAI 52: Pipeline Thaw Settlement, Post-Closure. July 24, 2014. Don Kuhle. Corps. Taylor Brelsford. URS.
- Fukuwaka, M and T Suzuki. 2002. Early sea mortality of mark-recapture juvenile chum salmon in open coastal waters. *Journal of Fish Biology* 60:3-12.
- Fuller, MR and JA Mosher. 1987. Raptor survey techniques. p. 37-65 *in* Raptor management techniques manual. BA Giron Pendleton, BA Millsap, KW Cline, and DM Bird, editors. National Wildlife Federation, Washington, DC.
- Furchtgott-Roth, D. 2013. Pipelines are Safest for Transportation of Oil and Gas. Manhattan Institute for Policy Research. No. 23, June 2013.
- Gallant, AL, EF Binnian, JM Omernik, and MB Shasby. 1995. Ecoregions of Alaska. USGS Professional Paper 1567, 73 pp.
- Gan, WQ, L Tamburic, HW Davies, PA Demers, M Koehoorn, and M Brauer. 2010. Changes in Residential Proximity to Road Traffic and the Risk of Death from Coronary Heart Disease. *Epidemiology* 21:642-649.
- Gan, WQ, M Koehoorn, HW Davies, PA Demers, L Tamburic, and M Brauer. 2011. Long-Term Exposure to Traffic-Related Air Pollution and the Risk of Coronary Heart Disease Hospitalization and Mortality. *Environ Health Perspect* 119:501-507.
- Garlich-Miller, JL, JG MacCracken, J Snyder, R Meehan, M Myers, JM Wilder, E Lance, and A Matz. 2011. Status review of the Pacific walrus (*Odobenus rosmarus divergens*). US Fish and Wildlife Service. Anchorage, AK. 155 pp.

- Garshelis, DL and CB Johnson. 2013. Prolonged Recovery of Sea Otters from the Exxon Valdez Oil Spill? A Re-examination of the Evidence. *Marine Pollution Bulletin* 71:7-19.
- Gartner, BL, FS Chapin III, and GR Shaver. 1983. Demographic Patterns of Seedling Establishment and Growth of Native Graminoids in an Alaskan Tundra Disturbance. *Journal of Applied Ecology* 20(3):965-980.
- Gaskin, DE. 1984. The harbor porpoise *Phocoena phocoena* (L.): Regional populations, status, and information on direct and indirect catches. *Rep Int Whal Comm* 34:569-586.
- Gates, ET and JB Herbich. 1977. The squat phenomenon and related effects of channel Geometry. *Hydraulics in the Coastal Zone, 25th Annual Hydraulics Division Specialty Conference*. American Society of Civil Engineers. College Station, Texas.
- Geist, DR and DD Dauble. 1998. Redd site selection and spawning habitat use by fall Chinook salmon: The importance of geomorphic features in large rivers. *Environmental Management* 22:1077-1085.
- Genet, H, AD McGuire, K Barrett, A Breen, ES Euskirchen, JF Johnstone, ES Kasischke, AM Melvin, A Bennett, MC Mack, TS Rupp, AEG Schuur, MR Turetsky, and F Yuan. 2013. Modeling the effects of fire severity and climate warming on active layer thickens and soil carbon storage of black spruce forests across the landscape in interior Alaska. *Environ. Res. Lett.* 8(13 p.) doi:10.1088/1748-9326/8/4/045016.
- Georgette, S, M Coffing, C Scott, and C Utermohle. 1998. The Subsistence Harvest of Seals and Sea Lions by Alaska Natives in the Norton Sound - Bering Strait Region, Alaska, 1996-1997. Alaska Department of Fish and Game, Division of Subsistence. Technical Paper No. 242, 88 pp.
- Geraci, JR and DJ St Aubin. 1988. Synthesis of Effects of Oil on Marine Mammals. Battelle Memorial Institute, Ventura, CA for US Department of Interior, Marine Mammal Service. Atlantic OCS. OCS Study, MMS 88-0049. 142 pp.
- Geraci, JR. 1990. Physiologic and Toxic Effects on Cetaceans. In JR Geraci and DJ St Aubin, editors. *Sea Mammals and Oil: Confronting the Risks*. Academic Press Inc., and Harcourt Brace Jovanovich; San Diego, CA. 167-197 pp.
- Gessner, TP, RH Kadlec, and RP Reaves. 2005. Wetland Remediation of Cyanide and Hydrocarbons. *Ecological Engineering* 25(2005):457-469.
- Ghoul, A and C Reichmuth. 2014. Hearing in the Sea Otter (*Enhydra lutris*): Auditory Profiles for an Amphibious Marine Carnivore. *J Comp Physiol A* 200:967-981.
- Gibson, G and J Klinck. 2005. Canada's Resilient North: The Impact of Mining on Aboriginal Communities. *Pimatisiwin A Journal of Aboriginal and Indigenous Community Health* 3(1):116-139. Accessed March 2014. http://www.pimatisiwin.com/online/?page_id=444
- Gilbertsen, N and D Robinson. 2003. Natural Resources: Mining and Timber. *Alaska Economic Trends* 23(12):3-13.
- Gill, RE, Jr, C Handel, and M Petersen. 1978. The Migration of Birds in Alaska Marine Environments. US Fish and Wildlife Service. Office of Biological Services - Coastal Ecosystems.

- Gill, RE, MR Petersen, and PD Jorgensen. 1981. Birds of Northcentral Alaska Peninsula, 1978-80. *Arctic* 34:286-306.
- Gill, RE, PS Tomkovich, and BJ McCaffery. 2002. Rock Sandpiper (*Calidris ptilocnemis*). In: A Poole and F Gill, editors. *The Birds of North America*, No. 686. The Academy of Natural Sciences, Philadelphia, PA, and The American Ornithologists Union.
- Giroud, JP and R Bonaparte. 1989. Leakage through liners constructed with geomembrane liners parts 1 and II and technical notes. *Geotextiles and Geomembranes*, 8(1), 27-67, 8(2), 71-111, 8(4), 337-340.
- Giroud, JP, KK Badu-Tweneboah, and KL Soderman. 1994. Evaluation of Landfill Liners, in GP Karunaratne, SH Chew, and KS Wong, editors, *Fifth International Conference of Geotextiles, Geomembranes, and Related Products*, Singapore, September 5-9, 1994. Vol. 3: Environmental Applications, Geosynthetics Testing and Related Research, p. 981-986.
- Giroud, JP and N Touze-Foltz. 2003. Geomembranes in Landfills: Discussion at the 7th International Conference on Geosynthetics. *Geosynthetics International*, Vol. 10. No. 4.
- Godbold, DL. 1991. Mercury-induced Root Damage in Spruce Seedlings. *Water Air Soil Pollution* 56:823-831.
- Golder. 2015. Buckhorn Mountain Mine, Adaptive Management Plans, Water Year 2014. Report submitted to Crown Resources Corporation by Golder Associates, Inc. March 10, 2015.
- Goldfarb, RJ, CD Taylor, AL Meter, WM d'Angelo, and RM O'Leary. 1997. Hydrogeochemistry of Mine-Drainage Waters Associated with Low Sulfide, Gold-Quartz Veins in Alaska. Pages 3-17 in *Geologic Studies in Alaska* by the U.S. Geological Survey, 1995. JA Dumoulin and JE Gray, editors. U.S. Geological Survey Professional Paper 1574. United States Government Printing Office, Washington: 1997.
- Goldfarb, RJ, EE Marsh, CJR Hart, JL Mair, ML Miller, and C Johnson. 2010. Geology and Origin of Epigenetic Lode Gold Deposits, Tintina Gold Province, Alaska and Yukon. In LP Gough and WC Day, editors. *Recent US Geological Survey Studies in Tintina Gold Province, Alaska, United States, and Yukon, Canada-Results of a 5-year Project*. US Geological Survey Scientific Investigations Series 2007-5289, p A1-18.
- Goldfarb, RJ, R Ayuso, ML Miller, SW Ebert, EE Marsh, SA Petsel, LD Miller, D Bradley, C Johnson, and W McClelland. 2004. The Late Cretaceous Donlin Creek Gold Deposit, Southwestern Alaska: Controls on Epizonal Ore Formation. *Economic Geology* 99(4):43-671.
- Goldsmith, S. 2007. *How North Slope Oil Has Transformed Alaska's Economy*. Institute for Social and Economic Research, University of Alaska, Anchorage. Anchorage, AK.
- Goldsmith, S. 2008a. *Understanding Alaska's Remote Rural Economy*. Institute of Social and Economic Research, University of Alaska Anchorage. Anchorage, AK.
- Goldsmith, S. 2008b. *How Vulnerable Is Alaska's Economy to Reduced Federal Spending?* Institute for Social and Economic Research, University of Alaska, Anchorage. Anchorage, AK.
- Goldsmith, S. 2010a. *Structural Analysis of the Alaska Economy: What are the Drivers?* Institute for Social and Economic Research, University of Alaska, Anchorage. Anchorage, AK.

- Goldsmith, S. 2010b. The Alaska Permanent Fund Dividend: A Case Study in Implementation of a Basic Income Guarantee. Institute for Social and Economic Research, University of Alaska, Anchorage. Anchorage, AK.
- Gorbics, CS and JL Bodkin. 2001. Stock structure of sea otters (*Enhydra lutris kenyoni*) in Alaska. Marine Mammal Science 17(3): 632-647.
- Gough, LP, RC Severson, and HT Shacklette. 1988. Element Concentrations in Soils and Other Surficial Materials of Alaska. US Geological Survey Professional Paper 1458, 53.
- Government of Alberta. 2014. Above Ground Pipeline Wildlife Crossing Directive. Environment and Sustainable Resource Development, Public Land Management, 2014, No. 7. Alberta, Canada.
- Graph, MD. 2009. Literature Review on the Restoration of Alberta's Boreal Wetlands Affected by Oil, Gas, and In Situ Oil Sands Development. Prepared for Ducks Unlimited Canada. Accessed November 12, 2013. http://www.biology.ualberta.ca/faculty/stan_boutin/ilm/uploads/footprint/Graf%20Wetland_Restoration_Review%20FINAL-Small%20File.pdf
- Gray, JE and RF. Sanzolone. 1996. Environmental Geochemistry of Mercury Mines in Southwestern Alaska. In JE Gray and RF Sanzolone, editors. Environmental Studies of Mineral Deposits in Alaska, US Geological Survey Bulletin 2156.
- Gray, JE, CA Gent, LW Snee, and FH Wilson. 1997a. Epithermal Mercury-Antimony and Gold-Bearing Vein Lodes of Southwestern Alaska. In RJ Goldfarb and LD Miller, editors. Mineral Deposits of Alaska, Economic Geology Monograph 9, p 287-305.
- Gray, JE, PM Theodorakos, EA Bailey, and RR Turner. 2000. Distribution, Speciation, and Transport of Mercury in Stream-sediment, Stream-water and Fish Collect Near Abandoned Mercury Mines in Southwestern Alaska, USA. Sci Total Environ 260:21-33.
- Gray, JE, PM Theodorakos, G Lee, P Hageman, and S Sutley. 1997b. Analytical Data of Stream Sediment Samples and Heavy Mineral Concentrate Samples Collected from the Buckstock Mountains and Surrounding Areas, Sleetmute Quadrangle, Southwest Alaska. US Geological Survey. Open-File Report 97-743 A, 147 pp.
- Gray, JE, PM Theodorakos, JR Budahn, and RM O'Leary. 1994. Mercury in the Environment and its Implications, Kuskokwim River Region, Southwestern Alaska. A Till and T Moore, editors. Geologic Studies in Alaska by the US Geological Survey, 1993. US Geological Survey Bulletin 2107, p 3-13. <http://pubs.usgs.gov/bul/2107/report.pdf>
- Gray, JE, RJ Goldfarb, DE Detra, and KE Slaughter. 1991. Geochemistry and Exploration Criteria for Epithermal Cinnabar and Stibnite Vein Deposits in the Kuskokwim River Region, Southwestern Alaska. Journal of Geochemical Exploration 41:363-386.
- Gray, JE, TP Frost, RJ Goldfarb, and DE Detra. 1990. Gold Associated with Cinnabar-and Stibnite-bearing Deposits and Mineral Occurrences in the Kuskokwim River region, southwestern Alaska. In RJ Goldfarb, JT Nash, and JW Stoesser, editors. Geochemical Studies in Alaska by the US Geological Survey, 1989. US Geological Survey Bulletin 1950, Chapter D.

- Graziano, G, S Seefeldt, and L Clayton. 2014. Best Management Practices: Controlling the Spread of Invasive Plants During Road Maintenance. PMC-00342. UAA-Fairbanks Cooperative Extension Service (CES), Anchorage, AK.
- Graziano, G. 2011. Strategic Plan for Invasive Weed and Agricultural Pest Management and Prevention in Alaska. ADNRR, Division of Agriculture, Plant Materials Center, 2011-2016 Plan. Palmer, AK.
- Griffin, B and DM Johnson, as revised by S Dubois and B Stephenson. 2007. American Bison. Alaska Department of Fish and Game Wildlife Notebook Series. Accessed September 30, 2013. <http://www.adfg.alaska.gov/index.cfm?adfg=animals.listmammals>
- Griffin, LE. 1938. Experiments on Tolerance of young trout and salmon for suspended sediment in water. *In* Placer mining on the Rogue River, Oregon, in its relation to the fish and fishing in that stream (Appendix B, pp 28-31) by HB Ward. Oregon State Department of Geology and Minerals Industry Bulletin. No 10. September 1, 1938. Portland, Oregon.
- Groot, C and L Margolis. 1991. Pacific Salmon Life Histories. C. Groot and L. Margolis, Vancouver, BC; University of British Columbia Press. 564 pp.
- Groot, C, L Margolis, and WC Clarke. 1995. Physiological Ecology of Pacific salmon. Vancouver, BC; University of British Columbia Press.
- Groot, C. 1965. On the Orientation of Young Sockeye Salmon (*Oncorhynchus nerka*) During Their Seaward Migration Out of Lakes. *Behaviour* 14 (Suppl.):1-198.
- Guffanti, M and TP Miller. 2013. A Volcanic Activity Alert-level System for Aviation: Review of its Development and Application in Alaska, Natural Hazards.
- Gusty, A. 2017. Personal Communication between Andrea Gusty, Vice President Corporate Affairs, The Kuskokwim Corporation and Taylor Brelsford, April 3, 2017.
- Gutreuter, S, JM Dettmers, and DH Wahl. 2003. Estimating Mortality Rates of Adult Fish From Entrainment Through Propellers of River Towboats. *American Fisheries Society* 132(4).
- Haeussler, PJ and RW Saltus. 2005. 26 km of Offset on the Lake Clark Fault Since Late Eocene Time. *US Geological Survey Professional Paper* 1709-A, p A1-4.
- Haeussler, PJ and RW Saltus. 2011. Location and Extent of Tertiary Structures in Cook Inlet Basin, Alaska, and Mantle Dynamics that Focus Deformation and Subsidence. *In* JA Dumoulin and JP Galloway, editors. *Studies by the US Geological Survey in Alaska, 2008-2009. US Geological Survey Professional Paper* 1776-D.
- Haeussler, PJ. 2009. Surface Rupture Map of the 2002 M7.9 Denali Fault Earthquake, Alaska; Digital Data. *US Geological Survey, Data Series* 422, 9 pp.
- Haley, B, D Ireland, and JR Childs. 2010. Environmental Assessment for a Marine Geophysical Survey of Parts of the Arctic Ocean, August–September 2010: US Geological Survey. Open-File Report 2010-1117, version 2.0, 251 pp.
- Haley, S and D Fisher. 2012. Shareholder Employment at Red Dog Mine. Institute of Social and Economic Research, University of Alaska Anchorage. ISER Working Paper 2012-2.
- Hall, JV, WE Frayer, and BO Wilen. 1994. Status of Alaska Wetlands. *US Fish and Wildlife Service, Alaska Region, Anchorage, Alaska.* 36 pp.

- Hall, WJ, DJ Nyman, ER Johnson, and JD Norton. 2003. Performance of the Trans-Alaska Pipeline in the November 3, 2002 Denali Earthquake. Proceedings of 6th US Conference and Workshop on Lifeline Earthquake Engineering, Long Beach, CA. August 2003.
- Hamade, AK. 2014. Fish Consumption Advice for Alaskans. A Risk Management Strategy to Optimize the Public's Health. Section of Epidemiology, Division of Public Health, Department of Health and Social Services, State of Alaska. Accessed November 10, 2015. Available online:
<http://www.epi.hss.state.ak.us/eh/fish/FishConsumptionAdvice2014.pdf>
- Hamazaki, T. 2011. Reconstruction of subsistence salmon harvests in the Kuskokwim Area, 1990-2009. Alaska Department of Fish and Game, Fishery Manuscript Series No. 11-09, Anchorage, AK.
- Hamilton, LC, K Saito, PA Loring, RB Lammers, HP Huntington. 2016. Climigration? Population and Climate Change in Arctic Alaska. *Popul Environ* 38:115-133.
- Handel, CM and RE Gill Jr. 1992. Breeding distribution of the Black Turnstone. *Wilson Bulletin* 104:122-135.
- Hanrahan, TP, DD Dauble, and DR Geist. 2004. An estimate of chinook salmon (*Oncorhynchus tshawytscha*) spawning habitat and redd capacity upstream of a migration barrier in the upper Columbia River. *Canadian Journal of Fisheries and Aquatic Sciences* 61(1):23-33.
- Hansen, TR, BJ Blain, DV Taylor, and ZW Liller. 2016. Salmon escapement monitoring in the Kuskokwim Area, 2014. Alaska Department of Fish and Game, Fishery Data Series No. 16-03, Anchorage, AK.
- Hansen, WR, EB Eckel, WE Schaem, WE Lyle, W George, and G Chance. 1966. The Alaska Earthquake March 27, 1964: Field Investigations and Reconstruction Effort, US Geological Survey Professional Paper 541.
- Hanson, K, G Seibel, S Allard, G Wortman, and A Kozak. 2009. Nova Gold Resources Inc., Donlin Creek Gold Project, Alaska, USA, NI 43-101 Technical Report. Prepared for Nova Gold by AMEC, April 1, 2009, Project No. 160638.
- Harbaugh, AW, ER Banta, MC Hill, and MG McDonald. 2000. MODFLOW-2000, the US Geological Survey Modular Ground-Water Model - User Guide to Modularization Concepts and the Ground-Water Flow Process. US Geological Survey. Open-File Report 00-92.
- Harder, LF, Jr. 1991. Performance of earth dams during the Loma Prieta earthquake. Proceedings of the Second International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics. University of Missouri, Rolla. p. 11-15.
- Harper, KC, F Harris, R Brown, T Wyatt, and D Cannon. 2007. Stock Assessment of Broad Whitefish, Humpback Whitefish, and Least Cisco in Whitefish Lake, Yukon Delta National Wildlife Refuge, Alaska, 2001-2003. US Fish and Wildlife Service, Alaska Fisheries Technical Report Number 88, April 2007. Kenai, Alaska.
- Harper, KC, F Harris, S Miller, and D Orabutt. 2008. Migratory Behavior of Broad and Humpback Whitefish in the Kuskokwim River, 2006. US Fish and Wildlife Service, Alaska Fisheries Data Series Number 2007-2011, March 2008. Kenai, Alaska.

- Harper, KC, F Harris, S Miller, and D. Orabutt. 2009. Migration Timing and Seasonal Distribution of Broad Whitefish, Humpback Whitefish, and Least Cisco from Whitefish Lake and the Kuskokwim River, Alaska, 2004 and 2005. US Fish and Wildlife Service, Alaska Fisheries Technical Report Number 105, September 2009. Kenai, Alaska.
- Harper, KC, F Harris, SJ Miller, JM Thalhauser, and SD Ayers. 2012. Life history traits of adult broad whitefish and humpback whitefish. *Journal of Fish and Wildlife Management* 3(1):56-75. doi: 10.3996/022011-JFWM-011.
- Harris, RC, JWM Rudd, M Amyot, CL Babiarz, KG Beaty, PJ Blanchfield, RA Bodaly, BA Branfireun, CC Gilmour, JA Graydon, A Heyes, H Hintelmann, JP Hurley, CA Kelly, DP Krabbenhoft, SE Lindberg, RP Mason, MJ Paterson, CL Podemski, A Robinson, KA Sandilands, GR Southworth, VL St. Louis, and MT Tate. 2007. Whole-ecosystem study shows rapid fish-mercury response to changes in mercury deposition. *Proceedings of the National Academy of Sciences of the United States of America* 104(42):16586-16591.
- Harwood, CM. 2000. 1999 Lower Kuskokwim River Watershed Breeding Bird Survey, Unpublished memorandum. US Fish and Wildlife Service, Yukon Delta National Wildlife Refuge, Bethel, AK. 8 pp.
- Harwood, CM. 2002. 2001 Lower Kuskokwim River Watershed Breeding Bird Survey, Unpublished memorandum. US Fish and Wildlife Service, Yukon Delta National Wildlife Refuge, Bethel, AK. 7 pp.
- Hasselbach, L, JM 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. US National Park Service Publications and Papers. Paper 12. Accessed November 12, 2013. <http://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=1011&context=natlpark>.
- Hatch. 2014. Donlin Gold Mercury Emission Controls Summary. Donlin Gold Project. Prepared for the Donlin Gold Project, May 2014.
- Hatch. 2015. Donlin Gold Advanced Water Treatment, Advanced Water Treatment Options Report. 41 p, July 9, 2015.
- Hatch. 2017. Report, Water Treatment for Discharge Years 1-10. Prepared for Donlin Gold, H348428-00000-210-066-0003, Rev.2, 28 pp, March 24, 2017.
- Hauessler, PJ and RW Saltus. 2011. Location and Extent of Tertiary Structures in Cook Inlet Basin, Alaska, and Mantle Dynamics that Focus Deformation and Subsidence. *In* JA Dumoulin and JP Galloway, editors. *Studies by the US Geological Survey in Alaska, 2008-2009*. US Geological Survey Professional Paper 1776-D.
- Havlin, J. 1987. Motorways and Birds. *Folia Zoologica* 36.
- Hayes, DF, R Chintamaneni, P Bommarreddy, and B Cherukuri. 2012. Vessel-induced Sediment Resuspension. *Journal of Dredging Engineering, Western Dredging Association*. 12:2, October 2012.
- Hays, J, C Gelvin-Reymiller, S McGowan, and C Wooley. 2012. Results of the 2011 Phase I Cultural Resources Survey of the Proposed Donlin Gold Proposed Mine Area Boundary Expansion. Prepared for Donlin Gold LLC. Northern Land Use Research, Inc. and Chumis Cultural Resources Services.

- Hays, J, K Farmen, and J Reuther. 2011. Site Evaluations of Known Cultural Resources within the Proposed Donlin Creek Mine Area. Northern Land Use Research, Inc. and Chumis Cultural Resources Services.
- Healey, MC. 1982a. Juvenile Pacific Salmon in Estuaries: the Life Support System. Pages 343-364 In VS Kennedy, editor. Estuarine Comparisons. Academic Press; New York.
- Healey, MC. 1982b. Timing and Relative Intensity of Size-selective Mortality of Juvenile Chum Salmon (*Oncorhynchus keta*) During Early Sea Life. Canadian Journal of Fisheries and Aquatic Sciences 39:952-957.
- Heide-Jørgensen, MP, KL Laidre, Ø Wiig, MV Jensen, L Dueck, LD Maiers, HC Schmidt, and RC Hobbs. 2003. From Greenland to Canada in ten days: Tracks of Bowhead Whales, *Balaena mysticetus*, across Baffin Bay. Arctic 56(1):21-31.
- Helwig, PC. 1966. An Experimental Study of Ship Generated Water Waves. Masters' Thesis, Queen's University, Kingston; Ontario, Canada.
- Hennessy, TW, T Ritter, RC Holman, DL Bruden, KL Yorita, L Bulkow, JE Cheek, RJ Singleton, J Smith. 2008. The Relationship Between In-Home Water Service and the Risk of Respiratory Tract, Skin, and Gastrointestinal Tract Infections Among Rural Alaska Natives. American Journal of Public Health. 98(11):2072-2078.
- Heptner, LVG, KK Chapskii, VA Arsen'ev, VT Sokolov. 1976a. Ringed seal, *Phoca (Pusa) hispida*, Schreber, 1775. In LVG Heptner, NP Naumov, and J Mead, editors. Mammals of the Soviet Union. Volume II, Part 3 - Pinnipeds and Toothed Whales, Pinnipedia and Odontoceti. Vysshaya Shkola Publishers, Moscow, Russia, Translated from Russian by PM Rao, 1996, Science Publishers, Inc., Lebanon, NH. 2(3):218-260.
- Heptner, LVG, KK Chapskii, VA Arsen'ev, VT Sokolov. 1976b. Common seal, large. *Phoca (Phoca) vitulina* Linnaeus, 1758. Pp. 307-369 In: LVG Heptner, NP Naumov, and J Mead, editors, Mammals of the Soviet Union. Volume II, Part 3- Pinnipeds and Toothed Whales, Pinnipedia and Odontoceti. Vysshaya Shkola Publishers, Moscow, Russia. Translated from Russian by Rao PM, 1996, Science Publishers, Inc., Lebanon, NH.
- Herbert, J. 2012. The Thermocline: A Summer Phenomenon in Michigan Inland Lakes. Accessed September 4, 2014. http://msue.anr.msu.edu/news/the_thermocline_a_summer_phenomenon_in_michigan_inland_lakes.
- Hernandez, A. 2015. Preliminary Design Basis, Donlin Gold: Advanced Water Treatment Options. Hatch report H348428-00000-210-226-0001, Rev.0. 20 pp. May 15, 2015.
- Hernandez-Murillo, R and CJ Martinek. 2011. Which Came First-Better Education or Better Health? The Regional Economist. April. Available at: <http://www.stlouisfed.org/publications/re/articles/?id=2092>
- Heroy, CA. 2017. Alaska Department of Natural Resources State Pipeline Coordinator's Section. Personal Communication, April 17, 2017.
- Herriott, TM, CJ Nye, RD Reger, MA Wartes, DL LePain, and RJ Gillis. 2011. Sedimentology, Age, and Geologic Context of a Pleistocene Volcaniclastic Succession Near Spurr Volcano, Alaska. Presentation at Pacific Section of American Association of Petroleum Geologists-Arctic to the Cordillera: Unlocking the Potential. Anchorage, Alaska. May 2011.

- Higgs, A. 2016. Determination of Eligibility for the Skwentna Crossing to Farewell Mountain Segments of the Seward-Nome (Iditarod) Trail, Donlin Gold Gas Pipeline Project. Northern Land Use Research Alaska LLC.
- Highland, LM and P Bobrowsky. 2008. The Landslide Handbook-A Guide to Understanding Landslides. US Geological Survey Circular 1736.
- Highland, LM. 2004. The Landslide Types and Processes. US Geological Survey Fact Sheet 2004-3072. July 2004.
- Hildreth, W and J Fierstein. 2012. The Novarupta-Katmai Eruption of 1912-Largest Eruption of the Twentieth Century: Centennial Perspectives. US Geological Survey Professional Paper 1791.
- Hillgruber, N and C Zimmerman. 2009. Estuarine ecology of juvenile salmon in Western Alaska: a review. American Fisheries Society Symposium 70:183-199.
- Hines, ME, EN Poitras, S Covelli, J Faganeli, A Emili, S Žižek, M Horvat. 2012. Mercury methylation and demethylation in Hg-contaminated lagoon sediments (Marano and Grado Lagoon, Italy). Estuarine, Coastal and Shelf Science 113:85-95.
- Hines, NA, PL Brezonik, and DR Engstrom. 2004. Sediment and porewater profiles and fluxes of mercury and methylmercury in a small seepage lake in Northern Minnesota. Environmental Science and Technology 38: 6610-6617.
- Hinkes, MT and K Engels. 1989. Bird Communities of Recently Burned and Unburned Forest and Shrub Habitats in Interior Alaska. Bureau of Land Management. Open File Report 25. June 1989.
- Hintelmann, H, K Keppel-Jones, and RD Evans. 2000. Constants of mercury methylation and demethylation rates in sediments and comparison of tracer and ambient mercury availability. Environmental Toxicology and Chemistry 19: 2204-2211.
- Hintelmann, H, R Harris, A Heyes, JP Hurley, CA Kelly, DP Krabbenhoft, S Lindberg, JW Rudd, KJ Scott, and VL St Louis. 2002. Reactivity and mobility of new and old mercury deposition in a boreal forest ecosystem during the first year of the METAALICUS study. Mercury Experiment To Assess Atmospheric Loading in Canada and US. Environ Sci Technol. 36(230): 5034-40.
- Hinton, RB and CL Girdner Jr. 1967 and 1975. Soils of the Bethel Area, US Soil Conservation Service, US Department of Agriculture.
- Hinzman, LD, CJ Deal, D McGuire, SH Mernild, IV Polyakov, and JE Walsh. 2013. Trajectory of the Arctic as an integrated system. Ecological Applications 23(8):1837-1868.
- HMH Consulting, LLC. 2004. Donlin Creek Project. Year 2003 Baseline Surface Water Monitoring Report. Anchorage, Alaska.
- Hoare, JM and WL Coonrad. 1959a. Geology of the Russian Mission Quadrangle, Alaska. US Geological Survey. Miscellaneous Geologic Map I-292, scale 1:250,000.
- Hoare, JM and WL Coonrad. 1959b. Geology of the Bethel Quadrangle, Alaska, US Geological Survey, Miscellaneous Geologic Map I-285, scale 1:250,000.

- Hobbs, RC and JM Waite. 2010. Abundance of harbor porpoise (*Phocoena phocoena*) in three Alaskan regions, corrected for observer errors due to perception bias and species misidentification, and corrected for animals submerged from view. Fish Bull 108:251-267.
- Hobbs, RC and KEW Shelden. 2008. Supplemental status review and extinction assessment of Cook Inlet belugas (*Delphinapterus leucas*). National Marine Fisheries Service, Alaska Fisheries Science Center. AFSC Processed Rep. 2008-08, 76 pp.
- Hobbs, RC, CL Sims, and KEW Shelden. 2011. Estimated abundance of belugas in Cook Inlet, Alaska, from aerial surveys conducted in June 2011. National Marine Fisheries Service, National Marine Mammal Laboratory. Unpublished Report. 7 pp.
- Hobbs, RC, CL Sims, and KEW. Shelden. 2012. Estimated abundance of belugas in Cook Inlet, Alaska, from aerial surveys conducted in June 2012. National Marine Fisheries Service, National Marine Mammal Laboratory. Unpublished Report. 7 pp.
- Hobbs, RC, K Laidre, D Vos, B Mahoney, and M Eagleton. 2005. Movements and area use of belugas, *Delphinapterus leucas*, in a subarctic Alaskan estuary. Arctic 58:331-340.
- Hodek, RJ, M Annable, G Alger, and H Santeford. 1986. Development of a predictive model to assess the effects of extended season navigation on Great Lakes connecting waters. Prepared by Michigan Technological University for the USA Cold Regions Research and Engineering Laboratory. Contract Report Number. DACA89-85-K-0001.
- Hodgson, S and TP Quinn. 2002. The timing of adult sockeye salmon migration into fresh water: adaptations by populations to prevailing thermal regimes. Can J Zool 80:542-555.
- Hoelzel, AR and GA Dover. 1991. Genetic differentiation between sympatric killer whale populations. Heredity 66:191-195.
- Hoelzel, AR, A Natoli, M Dahlheim, C Olavarria, R Baird, and N Black. 2002. Low worldwide genetic diversity in the killer whale (*Orcinus orca*): implications for demographic history. Proc R Soc Lond B 269:1467-1473.
- Hoelzel, AR, ME Dahlheim, and SJ Stern. 1998. Low genetic variation among killer whales (*Orcinus orca*) in the Eastern North Pacific, and genetic differentiation between foraging specialists. J Heredity 89:121-128.
- Hokanson, K, C Kleiner, and T Thorslund. 1977. Effects of constant temperatures and diel temperature fluctuations on specific growth and mortality rates and yield of juvenile rainbow trout, *Salmo gairdneri*. Journal of the Fisheries Research Board of Canada 34:639-648.
- Holen D, SM Hazell, JM Lanen, JT Ream, SPA Desjardins, B Jones, and G Zimpelman. 2014. The Harvest and Use of Wild Resources in Cantwell, Chase, Talkeetna, Trapper Creek, Alexander/Susitna, and Skwentna, Alaska, 2012. Alaska Department of Fish and Game, Division of Subsistence Technical Paper No. 385. Anchorage.
- Holen, D and T Lemons. 2010. Subsistence Harvests and Uses of Wild Resources in Lime Village, Alaska, 2007. Division of Subsistence and Technical Paper No. 355. Division of Subsistence, Alaska Department of Fish and Game, Anchorage, AK.

- Holen, D, WE Simeone, and L Williams. 2006. Wild resource harvests and uses by residents of Lake Minchumina, and Nikolai Alaska, 2001-2002. Alaska Department of Fish and Game, Division of Subsistence. Technical Paper No. 296.
- Holland, LE. 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.
- Holmes, RM. 2000. The importance of groundwater to stream ecosystem function. *In* JB Jones, and PJ Mulholland, editors. *Streams and Ground Waters*. Academic Press; San Diego, CA. p. 137-148.
- Holt, S. 1987. The effects of crude and diesel oil spills on plant communities at Mesters Vig. Northeast Greenland. *Arctic and Alpine Research* 19(4):490-497.
- Homer, C, C Huang, L Yang, B Wylie and M Coan. 2004. Development of a 2001 national land cover database for the United States. *Photogrammetric Engineering and Remote Sensing* 70(7):829-840. Accessed February 19, 2008. www.mrlc.gov/publications
- Honegger, DG and DJ Nyman. 2004. Guidelines for the Seismic Design and Assessment of Natural Gas and Liquid Hydrocarbon Pipelines. Prepared for the Pipeline Design, Construction & Operations Technical Committee of Pipeline Research Council International, Inc. (PRCI). October 1.
- Hong, J-H, Y-M Chiew, I Susanto, and NS Cheng. 2012. Evolution of Scour Induced by Propeller Wash. Sixth International Conference on Scour and Erosion (ICSE6). Paris, France. August 2012.
- Houben, A.J., R. D'Onofrio, S.V. Kokelj, and J.M. Blais. 2016. Factors affecting elevated arsenic and methyl mercury concentrations in small Shield Lakes surrounding gold mines near Yellowknife, NT (Canada). *PLoS ONE* 11(4).
- House, RA and P Boehne. 1986. Effects of instream structures on salmonid habitat and populations in Tobe Creek, Oregon. *North American Journal of Fisheries Management* 6:38-46.
- Howe, L and L Huskey. 2007. Migration decisions in the Arctic: Empirical evidence of the stepping stones hypothesis. Presented at Western Economics Association Annual Conference. Newport Beach, CA.
- Hrdlička, A. 1930. Anthropological Survey in Alaska. 46th Annual Report of the Bureau of American Ethnology (1928-1929). Volume 19 No. 374.
- HRSA (Health Resource and Services Administration). 2014. US Department of Health and Human Services. Accessed March 2014. <http://muafind.hrsa.gov/index.aspx>
- HRSA. 2015. US Department of Health and Human Services. Accessed November 2015. <http://muafind.hrsa.gov/index.aspx>
- Hsu-Kim, H, KH Kucharzyk, T Zhang, and MA Deshusses. 2013. Mechanisms Regulating Mercury Bioavailability for Methylating Microorganisms in the Aquatic Environment: A Critical Review. *Environmental Science and Technology* 47(6):2441-2456.

- Hucksdorf, V, WC Lewin, T Mehner, and C Wolter. 2011. Impoverishment of YOY-fish assemblages by intense commercial navigation in a large lowland river. *River Research and Application* 27:1253-1263. doi: 10.1002/rra.1420.
- Hultén, E. 1968. *Flora of Alaska and Neighboring Territories*. Sanford University Press, Sanford, California, USA. 1008 pp.
- Hunsinger, E. 2012. The Shift to an Older Alaska. *Alaska Economic Trends* 32(8):4-9.
- Huntington, H. 1998. Observations on the utility of the semi-directive interview for documenting traditional ecological knowledge of beluga whales (*Delphinapterus leucas*) in the Eastern Chukchi and Northern Bering Seas, Alaska. *Arctic* 2(1):49-61.
- Hutchinson, TC and W Freedman. 1978. Effects of experimental crude oil spills on subarctic boreal forest vegetation near Norman Wells, NWT, Canada. *Canadian Journal of Botany* 56(19):2424-2433.
- HydroCoop. 2013. Classification of Reported Failures (Excluding China & USSR). Article posted in Flood and Spillway, July 16, 2013, www.hydrocoop.org/classification-of-reported-dams-failures/
- HydroGeoLogic, Inc. 1996. MODFLOW-SURFACT Software (Version 3.0). Overview, Installation, Registration, and running Procedures, Herndon, Virginia. 548 pp.
- Hynes-Griffin, ME and AG Franklin. 1984. Rationalizing the Seismic Coefficient Method. Department of the Army, Waterways Experiment Station, Corps of Engineers. Miscellaneous Paper GL-84-13.
- Hystad, P, PA Demers, KC Johnson, RM Carpiano, and M Brauer. Long-term Residential Exposure to Air Pollution and Lung Cancer Risk. 2013. *Epidemiology* 24:762-772.
- IARC (International Agency for Research on Cancer). 2012. Chromium (VI) Compounds. IARC Monographs, Volume 100C, World Health Organization.
- IARC. 2013. IARC: Outdoor Air Pollution a Leading Environmental cause of Cancer Deaths. October 17. Available online at: http://www.iarc.fr/en/media-centre/iarcnews/pdf/pr221_E.pdf
- ICF International. 2014. Economic analysis of methane emission reduction opportunities in the US onshore oil and natural gas industries. Prepared for Environmental Defense Fund. New York, NY. March 2014.
- ICOLD (International Commission on Large Dams). 2001. Design features of dams to effectively resist seismic ground motion. Bulletin 120, Committee on Seismic Aspects of Dam Design. International Commission on Large Dams, Paris, France.
- IEEIRP (Independent Expert Evaluation and Investigation Review Panel, Province of British Columbia). 2015. Report on Mount Polley Tailings Storage Facility Breach. 147 pp. January 30.
- IFC (International Finance Corporation). 2009. Introduction to Health Impact Assessments. 2121 Pennsylvania Ave, NW Washington, DC 20433. www.ifc.org

- Ikuta, H, AR Brenner, A Godduhn. 2013: Socioeconomic patterns in subsistence salmon fisheries: historical and contemporary trends in five Kuskokwim River communities and Overview of the 2012 Season. Alaska Department of Fish and Game, Division of Subsistence. Technical Paper No. 382.
- Ikuta, H, CL Brown, and DS Koster. 2014. Subsistence Harvests in 8 Communities in the Kuskokwim River Drainage and Lower Yukon River, 2011. Alaska Department of Fish and Game, Division of Subsistence Technical Paper No. 396. Fairbanks, AK.
- Ikuta, H, DM Runfola, JJ Simon, and ML Kostick, editors. 2016. Subsistence harvests in 6 communities on the Bering Sea, in the Kuskokwim River drainage, and on the Yukon River, 2013. Alaska Department of Fish and Game Division of Subsistence, Technical Paper No. 417, Fairbanks.
- Imfeld, G, M Braeckevelt, P Kusch, and HH Richnow. 2009. Monitoring and assessing processes of organic chemicals removal in constructed wetlands. *Chemosphere* 74(2009):349-362.
- Ims, RA and E Fuglei. 2005. Trophic interaction cycles in tundra ecosystems and the impact of climate change. *BioScience* 55(4):311-322.
- INGAA (Interstate Natural Gas Association of America). 2005. Greenhouse Gas Emission Estimation Guidelines for Natural Gas Transmission and Storage. Volume 1 - GHG Emission Estimation Methodologies and Procedures, INGAA. September 28, 2005, based on 1996 GRI/EPA study. <http://www.ingaa.org/File.aspx?id=5485>
- Ingebritsen, S, W Sanford, and C Neuzil. 2006. Groundwater in Geologic Processes, Second Edition. Cambridge University Press, Cambridge, UK. 536 pp.
- International Cyanide Management Institute. 2014. International Cyanide Management Code. Accessed February 2014. www.cyanidecode.org
- IPCC (Intergovernmental Panel on Climate Change). 2000. Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories, Table 2.16 Refined Tier 1 Emission Factors for Fugitive Emissions from Oil and Gas Operations based on North American Data. http://www.ipcc-nggip.iges.or.jp/public/gp/english/2_Energy.pdf
- IPCC. 2007. Climate Change 2007: Synthesis Report. Contribution of Working Groups I, II and III to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. RK Pachauri and A Reisinger, editors. IPCC, Geneva, Switzerland. p 104.
- IPCC. 2013. Summary for Policymakers. In TF Stocker, D Qin, GK Plattner, M Tignor, SK Allen, J Borshung, A Nauels, Y Xia, V Bex and PM Midgely, editors. Climate Change 2013, The Physical Science Basis, Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change. Cambridge University Press; Cambridge, United Kingdom and New York, NY, USA. Accessed November-December 2013. http://www.climate2013.org/images/uploads/WGI_AR5_SPM_brochure.pdf
- IPHC (International Pacific Halibut Commission). 2011. Annual Report. 2011. <http://www.iphc.int/publications/annual/ar2011.pdf>
- IUCN (International Union for Conservation of Nature). 2009. Salmon and Climate Change: Fish in Hot Water. The IUCN Red List, Gland, Switzerland.

- Isaacs, J., N. Darigo, and W. Loskutoff. 2008. Mining and Water: Strategic Issues and Approaches, in Hegarty, K., ed., A Social License to Operate in Alaska, Alaska Miners Association, 2008 Handbook and Service Directory, Anchorage, Alaska, p. 133-136.
- Iverson, SJ, KJ Frost, and LF Lowry. 1997. Fatty acid signatures reveal fine scale structure of foraging distribution of harbor seals and their prey in Prince William Sound, Alaska. Marine Ecology Progress Series 151:255-271
- IWR (Institute for Water Resources – Michigan State University). 2002. K Factor and RUSLE Factors. Accessed December 30, 2014. <http://www.iwr.msu.edu/rusle/kfactor.htm>
- Jacobus, RT and P Druckenmiller. 2013. Review of Fossil Localities on Federal Lands in the Proposed Donlin Gold Mine Area and Natural Gas Pipeline Corridor, Southwestern Alaska. Prepared by Department of Earth Sciences, University of Alaska Museum of the North, for Northern Land Use Research and Donlin Gold, LLC. April 2013.
- Jansen, J, R Grey, and L Stauffer. 2014. Personal communication. Bering Marine and Northland Services. January 9, 2014. Jennifer Anderson. URS.
- Jansen, JK, JL Bengtson, PL Boveng, SP Dahle, and JM Ver Hoef. 2006. Disturbance of Harbor Seals by Cruise Ships in Disenchantment Bay, Alaska: An Investigation at Three Spatial and Temporal Scales. National Marine Fisheries Service, Alaska Fisheries Science Center. AFSC Processed Rep. 2006-02.
- Jay, CV and S Hills. 2005. Movements of walruses radio-tagged in Bristol Bay, Alaska. Arctic 58(2):192-202.
- Jefferson, TA. 2009. Dall's porpoise *Phocoenoides dalli*. In: WF Perrin, B Würsig, and HGM Thewissen, editors. Encyclopedia of Marine Mammals 2nd ed. Academic Press, San Diego, CA. 1316 pp.
- Jemison, LA. 2001. Summary of harbor seal diet data collected in Alaska from 1990-1999. In Harbor seal investigations in Alaska, Annual report. p. 314-322. NOAA Grant NA87FX0300, Alaska Department of Fish and Game, Division Wildlife Conservation. Anchorage, AK.
- Jenkins, TF, LA Johnson, CM Collins, and TT McFadden. 1978. The physical, chemical, and biological effects of crude oil spills on black spruce forests, Interior Alaska. Arctic 31(3):305-323.
- Jennings, GB, K Sundet, and AE Bingham. 2011. Estimates of Participation, Catch, and Harvest in Alaska Sport Fisheries During 2010.
- Jensen, AS and GK Silber. 2003. Large Whale Ship Strike Database. US Department of Commerce. NOAA Technical Memorandum NMFS-OPR-, 37 pp.
- Jeremiason, J.D., D.R. Engstrom, E.B. Swain, E.A. Nater, B.M. Johnson, J.E. Almendinger, B.A. Monson, and R.Y. Kolka. 2006. Sulfate addition increases methylmercury production in an experimental wetland. Environmental Science & Technology 40: 3800-3806.
- Jewett, SC and LK Duffy. 2007. Mercury in fishes of Alaska, with emphasis on subsistence species. Science of the Total Environment doi:10.1016/j.scitotenv.2007.07.034.

- Jewett, SC, A Blanchard, ST Harper, RFN Rothschild, and LA Gardner. 2008c. 2007 Sediment Sampling on the Kuskokwim River. Volumes 1, 2, and 3. Final Report. February 2008. Document Number BAR001-506.
- Jewett, SC, A Blanchard, ST Harper, RFN Rothschild, and LA Gardner. 2010a. Donlin Creek Project. 2010 Sediment Sampling on the Kuskokwim River. Draft Report. Volume I.
- Jewett, SC, LA Gardner, and ST Harper. 2007a. 2006 Wildlife Observations on the Kuskokwim River. Donlin Creek Joint Venture. Final Report. February 2007. Document Number PDU002-503.
- Jewett, SC, LA Gardner, and ST Harper. 2007b. 2006 Fishing Activity Survey on the Kuskokwim River. Final Report. February 2007. Document Number PDU002-504.
- Jewett, SC, LA Gardner, and ST Harper. 2008a. 2007 Wildlife Observations on the Kuskokwim River. Final Report. February 2008. Document Number BAR001-504.
- Jewett, SC, LA Gardner, and ST Harper. 2008b. 2007 Fishing Activity Survey on the Kuskokwim River. Final Report. February 2008. Document Number BAR001-505.
- Jewett, SC, ST Harper, and LA Gardner. 2009a. 2008 Wildlife Observations on the Kuskokwim River. Final Report. March 2009. Document Number DON001-503.
- Jewett, SC, ST Harper, and LA Gardner. 2009b. 2008 Fishing Activity Survey on the Kuskokwim River. Final Report. March 2009. Document Number DON001-504.
- Jewett, SC, ST Harper, and LA Gardner. 2010b. Donlin Creek Project 2009 Wildlife Observations on the Kuskokwim River. Final Report. 428 pp.
- Johnson, J and M Daigneault. 2013. Catalog of waters important for spawning, rearing, or migration of anadromous fishes – Western Region, Effective July 1, 2013. Alaska Department of Fish and Game. Special Publication Number 13-11. Anchorage, AK.
- Johnson, J and V Litchfield. 2016. Catalog of waters important for spawning, rearing, or migration of anadromous fishes – Western Region, Effective June 1, 2016. Alaska Department of Fish and Game. Special Publication Number 16-06. Anchorage, AK.
- Johnson, L. 2008. Black bear. Alaska Department of Fish and Game Wildlife Notebook Series. Accessed September 30, 2013 <http://www.adfg.alaska.gov/index.cfm?adfg=animals.listmammals>
- Johnson, WP, N Swanson, B Black, A Rudd, G Carling, DP Fernandez, J Luft, J Van Leeuwen, and M Marvin-DiPasquale. 2015. Total- and methyl-mercury concentrations and methylation rates across the freshwater to hypersaline continuum of the Great Salt Lake, Utah, USA. *Science of The Total Environment*, Vol.511, p. 489-500.
- Jones, B, D Holen, and DS Koster. 2015. The Harvest and Use of Wild Resources in Tyonek, Alaska, 2013. Alaska Department of Fish and Game, Division of Subsistence Technical Paper No. 404. Anchorage.
- Jones, ML and SL Swartz. 2009. Gray whale *Eschrichtius robustus*. In: WF Perrin, B Würsig, and HGM Thewissen, editors. *Encyclopedia of Marine Mammals* 2nd ed. Academic Press, San Diego, CA. 1316 pp.

- Jones, P. 2009. Unit 18 wolf management report. Pages 128-138 in P Harper, editor. Wolf management report of survey/inventory activities, 1 July 2005-30 June 2008. Alaska Department of Fish and Game. Project 14.0. Juneau, Alaska.
- Jones, P. 2012. Unit 18 wolf. Pp. 127-137 In P Harper, editor. Wolf management report of survey and inventory activities 1 July 2008-30 June 2011, Alaska Department of Fish and Game, Species Management Report ADF&G/DWC/SMR-2012-4, Juneau.
- Jonrowe, D. 1980. Middle Kuskokwim food survey December 1979. ADF&G Division of Subsistence. Technical Paper No. 51.
- Jonsson, B and J Ruud-Hansen. 1985. Water temperature as the primary influence on timing of seaward migrations of Atlantic salmon (*Salmo salar*) smolts. Canadian Journal of Fisheries and Aquatic Sciences 42:593-595.
- Jorgenson, MT. 2011. Coastal region of northern Alaska, Guidebook to permafrost and related features: Alaska Division of Geological & Geophysical Surveys Guidebook 10, 188 pp. doi:10.14509/22762
- Jorgenson, T, K Yoshikawa, M Kanevskiy, Y Shur, V Romanovsky, S Marchenko, G Grosse, J Brown, and B Jones. 2008. Permafrost Characteristics of Alaska. Institute of Northern Engineering, University of Alaska Fairbanks. December 2008 update to July 2008 Ninth International Conference on Permafrost (NICOP) map.
- Julien, PY. 1998. Erosion and Sedimentation. Cambridge University Press; New York, NY.
- Juneau Empire. 2008. Beluga whales make their way up river. Accessed September 24, 2013. http://juneauempire.com/stories/081408/reg_318614543.shtml
- Kadlec, RH and RL Knight. 1996. Treatment Wetlands. CRC Press LLC; Boca Raton, Florida. 893 pp.
- Kaiser, MS and EK Fritzell. 1984. Effects of River Recreationists on Green-Backed Heron Behavior. Journal of Wildlife Management 48(2):561-567.
- Karlstrom, TNV, HW Coulter, AT Fernald, JR Williams, DM Hopkins, TL Péwé, H Drewes, EH Muller, and WH Condon. 1964. Surficial Geology of Alaska, US Geological Survey, Miscellaneous Geologic Investigations Map I-357, 2 sheets, scale 1:1,584,000.
- Kastak, D, B Southall, RD Schusterman, and CR Kastak. 2005. Underwater temporary threshold shifts in pinnipeds: effects of noise level and duration. Journal of the Acoustical Society of America 118:3154-3163.
- Kastelein, RA, L Hoek, and R Gransier. 2013. Hearing Thresholds of Two Harbor Seals (*Phoca vitulina*) for Playbacks of Multiple Pile Driving Strike Sounds. J Acoust Soc Am 134(3):2307-2312.
- Kawamura A. 1982. Food habits and prey distributions of three rorqual species in the North Pacific Ocean. Sci Rep Whales Res Inst 34:59-91.
- Keckeis, H, G Winkler, L Flore, W Reckendorfer, and F Schiemer, 1997. Spatial and seasonal characteristics of 0+ fish nursery habitats of nase, *Chondrostoma nasus*, in the river Danube, Austria. Folia Zoologica 46(Suppl. 1):133-150.

- Keeler, K. 2014. Personal communication. BLM comments on the Affected Environment Recreation resources for Donlin Gold Project EIS (Section 3.16.2.2.3).
- Keith, TEC. 1995. The 1992 Eruption of Crater Peak Vent, Mount Spurr Volcano, Alaska, US Geological Survey Bulletin 2139, 220 pp.
- Keller, VE. 1991. Effects of Human Disturbance on Eider Ducklings *Somateria-Mollissima* in an Estuarine Habitat in Scotland. *Biological Conservation* 58(2):213-228.
- Kelly, BP and LT Quakenbush. 1990. Spatiotemporal use of lairs by ringed seals (*Phoca hispida*). *Can J Zool* 68(12):2503-2512.
- Kelly, BP, OH Badajos, M Kunnsranta, JR Moran, M Martinez-Bakker, D Wartzok, and P Boveng. 2010. Seasonal home ranges and fidelity to breeding sites among ringed seals. *Polar Biology* 33:1095-1109.
- Kendall, LS. 2010. Construction Impacts on the Cook Inlet Beluga Whale (*Delphinapterus leucas*) at the Port of Anchorage Marine Terminal Redevelopment Project. Thesis in partial fulfillment of the requirements for the degree of Master of Science in Environmental Science, Alaska Pacific University, Anchorage, AK. 88 pp.
- Kenyon, KW. 1962. Notes on phocid seals at Little Diomed Island, Alaska. *The Journal of Wildlife Management* 26:380-387.
- Kershaw, GP. 1990. Movement of crude oil in an experimental spill on the SEEDS simulated pipeline right-of-way, Fort Norman, N.W.T. *Arctic* 43(2):176-183.
- Khan, MAK and F Wang. 2010. Chemical Demethylation of Methylmercury by Selenoamino Acids. *Chemical Research in Toxicology* 23(7):1202-1206.
- Kidd, J. 2010. Ice Roads and Pads and Vegetation Impacts – Lessons Learned from Case Studies. Arctic Ice and Snow Roads 2010 Conference: Advancements and Future Needs. Presented by J. Kidd, Alaska Biological Research, Inc. (ABR). http://www.itsalaska.org/Ice2010_Program.html
- Kikuchi, CP. 2013. Shallow Groundwater in the Matanuska-Susitna Valley, Alaska - Conceptualization and Simulation of Flow. US Geological Survey Scientific Investigations Report 2013-5049.
- Killgore, J, C Murphy, D Wolff, and T Keevin. 2005. Evaluation of towboat propeller-induced mortality of juvenile and adult fishes. Interim report for the Upper Mississippi River – Illinois Waterway System Navigation Study. US Army Corps of Engineers. ENV Report 56. June 2005.
- Killgore, KJ, LE Miranda, CE Murphy, DM Wolff, JJ Hoover, TM Keevin, ST Maynard, and MA Cornish. 2011. Fish Entrainment Rates through Towboat Propellers in the Upper Mississippi and Illinois Rivers. *Transactions of the American Fisheries Society*, 140:3, 570-581.
- King, JG and CP Dau. 1981. Waterfowl and their habitats in the eastern Bering Sea. p 739-753 in DW Hood and JA Calder, editors. *The Eastern Bering Sea Shelf: Oceanography and Resources*. Univ. Washington Press, 1981, 2 Vols. 1339 pp.
- Kirchhoff, M and V Padula. 2010. The Audubon Alaska Watchlist 2010. Audubon Alaska, Anchorage, AK. 10 pp.

- Kiyoshi, T and T Suketami. 2011. An Association Between Long-Term Exposure to Ambient Air Pollution and Mortality from Lung Cancer and Respiratory Diseases in Japan. *J Epidemiol* 21(2):132-143.
- Klein, E, EE Berg, and R Dial. 2005. Wetland drying and succession across the Kenai Peninsula Lowlands, southcentral Alaska. *Can J For Res* 35(8):1931-1941.
- Kline, JT and TK Bundtzen. 1986. Two glacial records from west-central Alaska. *In* TD Hamilton, KM Reed, and RM Thorson, editors. *Glaciation in Alaska-The Geologic Record*, Alaska Geological Society, p 123-150.
- KMC (Kiska Metals Corporation). 2013. *Discovered. The Whistler Project, An Emerging Gold-Copper Porphyry District*. August 2013. Editor M. Baknes, Kiska Metals and J. Weber President and CEO. Slide 16 of 28. Accessed August 20, 2013. <http://www.kiskametals.com/i/pdf/08072013Marketing.pdf>
- Koehler, RD and RD Reger. 2009. Lake Clark fault, assessment of tectonic activity based on reconnaissance mapping of glacial deposits, northwestern Cook Inlet, Alaska. Poster presented at the American Geophysical Union annual meeting, December 2009, San Francisco, CA.
- Koehler, RD and RD Reger. 2011. Reconnaissance Evaluation of the Lake Clark Fault, Tyonek Area, Alaska. Alaska Division of Geological and Geophysical Surveys. Preliminary Interpretive Report 2011-1, 8 pp.
- Koehler, RD, RD Reger, and R Frohman. 2012b. The Castle Mountain fault, south-central Alaska: New lidar-based observations on the sense of slip. Poster presented at the American Geophysical Union annual meeting, December 2012, San Francisco, CA.
- Koehler, RD, RE Farrell, PAC Burns, and RA Combellick. 2012a. Quaternary Faults and Folds in Alaska: A Digital Database. Alaska Division of Geological and Geophysical Surveys. Miscellaneous Publication 141, 31 pp.
- Koehler, RD, SF Personius, DP Schwarz, PJ Haeussler, and GG Seitz. 2011. A Paleoseismic Study Along the Central Denali Fault, Chistochina Glacier Area, South-Central Alaska. Alaska Division of Geological and Geophysical Surveys. Report of Investigation 2011-1, 17 pp.
- Koehler, RD. 2013. Quaternary Faults and Folds-Interactive Maps. Alaska Department of Natural Resources, Division of Geological and Geophysical Surveys. Accessed November 6, 2013. <http://maps.dggs.alaska.gov/qff>
- Koren, HS. 1995. Associations between Criteria Air Pollutants and Asthma. *Environ Health Perspect.* 103 Suppl 6: 235-42.
- Korschgen, CE and RB Dahlgren. 1992. Human Disturbances of Waterfowl: Causes, Effects, and Management. *In* Waterfowl Management Handbook. Fort Collins, CO: US Fish and Wildlife Service, 1988. Available at <http://www.nwrc.usgs.gov/wdb/pub/wmh/contents.html>
- Korschgen, CE, LS George, and WL Green. 1985. Disturbance of Diving Ducks by Boaters on a Migrational Staging Area. *Wildlife Society Bulletin* 13(3):290-296.

- Kosich, D. 2013. Inside Bingham Canyon - N. American Mining's Largest, Most Successful Landslide. July 22, 2013. www.mineweb.com/mineweb/content/en/mineweb-base-metals?oid=198334&sn=Detail.
- Kota, K, S Tomotaka, S Hiroshi, T Kazuo, S Takaichiro, N Haruo, T Toshiro, N Tomio, N Hiroshi, T Kiyoshi, and T Suketami. 2011. An Association Between Long-Term Exposure to Ambient Air Pollution and Mortality from Lung Cancer and Respiratory Diseases in Japan. *J Epidemiol* 21(2):132-143.
- Kovach, RP, AJ Gharrett, and DA Tallmon. 2012. Genetic change for earlier migration timing in a pink salmon population. *Proc. R. Soc. B.* 279:3870-3978.
- Kowalik, Z and A Proshutinsky. 2010. Tsunami-tide interactions: A Cook Inlet case study. *Continental Shelf Research* 30:633-642.
- KPB (Kenai Peninsula Borough). 2003. Kenai Peninsula Borough Transportation Plan Final. Prepared by HDR Alaska, Inc. Accessed September 5, 2013. http://www2.borough.kenai.ak.us/planningdept/Trans/Transportation.htm#_Toc58892575
- KPB. 2005. Kenai Peninsula Borough Comprehensive Plan. June 2005. Available online at: <http://www.kpb.us/planning-dept/plans-reports>
- KPB. 2014. Assessing Department, Material Site Permitting. Accessed July 2, 2014. www.borough.kenai.ak.us/assessing-dept/home/37-borough/547-material-site-permitting
- Krall, C. 2013. Personal Communication. Manager Mine Engineering, NovaGold Resources Inc. Information Requested by URS for Analysis of LNG-Fueled Haul Trucks for Donlin Gold EIS. October 10, 2013. James Fuego and Stan Foo, Donlin Gold.
- Kruse, J. 1979. Subsistence: A Discussion of Relevant Concepts and Some Observations on Patterns of Change in Alaska. *In* The Subsistence Lifestyle in Alaska, Now and in the Future. School of Agriculture and Land Resources Management, University of Alaska, Fairbanks.
- Kuan, WK, G Jin, P Xin, C Robinson, B Gibbes, and L Li. 2012. Tidal influence on seawater intrusion in unconfined coastal aquifers, *Water Resources Research*. doi:10.1029/2011WR010678 <http://www.agu.org/pubs/crossref/pip/2011WR010678.shtml#content>
- Kucera-Hirzinger, V, E Schludermann, H Zornig, A Weissenbacher, M Schabuss, and F Schiemer. 2009. Potential effects of navigation-induced wave wash on the early life history stages of riverine fish. *Journal of Aquatic Sciences* 71(1):94-102.
- Kucey, L. 2005. Human disturbance and hauling out behavior of Steller sea lions (*Eumetopias jubatus*). Thesis submitted in partial fulfillment of the requirements for the degree of Master of Science in the Faculty of Graduate Studies, Department of Zoology, University of British Columbia.
- Kurtz, J. 1983. Central Kuskokwim River Cultural Resource Survey, 1982 Report. Unpublished draft report prepared for Archaeology Section, Bureau of Indian Affairs. Manuscript on file, ANSCA Office, Bureau of Indian Affairs. Anchorage, AK.

- Laake, J, A Punt, R Hobbs, M Ferguson, D Rugh, and J Breiwick. 2009. Re-analysis of gray whale southbound migration surveys 1967-2006. US Dep. Commer. NOAA Tech. Memo. NMFS-FAFSC-203, 55 pp.
- Labadie, JR. 1983. Volcanic Ash Effects and Mitigation. Adapted from report prepared for US Air Force Office of Scientific Research and Defense Advanced Research Projects Agency. 18 pp.
- Laist, DW, AR Knowlton, JG Mead, AS Collet, and M Podesta. 2001. Collisions Between Ships and Whales. *Marine Mammal Science* 17:35-75.
- Lalazashvili, T and D Ingorokva. 2006. Project Management Consultant's Emergency Services for the North-South Gas Pipeline Rehabilitation: Naniani Landslide Rerouting Environmental Impact Assessment (Category A), Georgia. Prepared for Georgian Oil and Gas Corporation. October 2006. www-wds.worldbank.org/external/.../E14100vol1013tif.txt
- Lalonde, JD, M Amyot, AML Kraepiel, and FMM Morel. 2001. Photooxidation of Hg(0) in an estuarine system. *Environ Sci Technol* 35:1367-1372.
- Langdon, SJ. 2003. Relational Sustainability, Indigenous Northern North American Logic of Engagement. Paper presented to annual meeting of the American Anthropological Association. Chicago, Illinois. November 20, 2003.
- Lankford, SM and JM Hill. 1979. Stratigraphy and Depositional Environment of the Dutch Harbor Member of the Unalaska Formation, Unalaska, Alaska. US Geological Survey Bull. 1457-B, 14 pp.
- LANL (Los Alamos National Laboratory). 2015. Ecorisk Database (Release 3.3): Los Alamos, NM. Accessed January 2017. <http://www.lanl.gov/environment/protection/eco-risk-assessment.php>
- Lanzano, G, E Salzano, F Santucci de Magistris, and G Fabbiano. 2013. Seismic Vulnerability of Gas and Liquid Buried Pipelines. *Journal of Loss Prevention in the Process Industries*. 28(2014). www.academia.edu/5809740/
- Larned, WW and D Zwiefelhofer. 2002. Distribution and abundance of Steller's eiders (*Polysticta stelleri*) in the Kodiak Archipelago, Alaska January 2002. US Fish and Wildlife Service. February 22, 2002.
- Larned, WW and KS Bollinger. 2009. Steller's eider spring migration surveys, Southwest Alaska, 2009. US Fish and Wildlife Service, Division of Migratory Bird Management, Waterfowl Branch - Anchorage, AK.
- Larned, WW and T Tiplady. 1996. Distribution and Abundance of Sea Ducks in Kuskokwim Bay, Alaska. September 1996. Migratory Bird Management. US Fish and Wildlife Service.
- Larned, WW. 1998. Steller's eider spring migration surveys, 1998. US Fish and Wildlife Service, Migratory Bird Management, Anchorage, AK.
- Larned, WW. 2000. Steller's eider spring migration surveys, 2000. US Fish and Wildlife Service, Migratory Bird Management, Anchorage, AK.

- Larned, WW. 2002. Steller's eider spring migration surveys, Southwest Alaska 2002. unpublished: 21.
- Larned, WW. 2006. Winter distribution and abundance of Steller's eiders (*Polysticta stelleri*) in Cook Inlet, Alaska 2004-2005. OCS Study MMS 2006-066. US Fish and Wildlife Service, Waterfowl Management Branch, Anchorage, Alaska. OCS Study, MMS 2006-066. 37 pp.
- Larned, WW. 2007. Steller's Eider Spring Migration Surveys, Southwest Alaska, 2007. USFWS, editor US Fish and Wildlife Service, Migratory Bird Management Office Waterfowl Branch Anchorage, Alaska. 26 pp.
- Larned, WW. 2012. Steller's Eider Spring Migration Surveys, Southwest Alaska, 2012. US Fish and Wildlife Service, Migratory Bird Management Office, Waterfowl Branch Anchorage, Alaska. 25 pp.
- Larsen, J, C Neal, P Webley, J Freymueller, M Haney, S McNutt, D Schneider, S Prejean, J Schaefer, and R Wessels. 2009. Eruption of Alaska volcano breaks historic pattern: Eos, Transactions. American Geophysical Union 90(20):173-174.
- Lasley, S. 2010. LNG may be best fuel for Donlin Creek. Petroleum News: North of 60 Mining News 15(22):8.
- Laubhan, MK and KA Metzner. 1999. Distribution and diurnal behavior of Steller's eiders wintering on the Alaska Peninsula. Condor 101(3):694-698.
- LaVine, R, MJ Lisac, and P Coiley-Kenner. 2007. Traditional ecological knowledge of 20th century ecosystems and fish populations in the Kuskokwim Bay Region. US Fish and Wildlife Service, Office of Subsistence Management, Fisheries Resource Monitoring Program. Project no. FIS 04-351. Anchorage, AK.
- Lawson, DE. 1986. Response of permafrost terrain to disturbance: a synthesis of observations from northern Alaska, USA. Arctic and Alpine Research 18:1-17.
- Leary, B. 2013. Personal communication. December 12, 2013. Crowley Marine. Jennifer Anderson. URS.
- Leask, L, M Killorin, and S Martin. 2001. Trends in Alaska's People and Economy. Institute for Social and Economic Research, University of Alaska, Anchorage. Anchorage, AK.
- Leatherwood, S, RR Reeves, WF Perrin, and WE Evans. 1982. Whales, dolphins, and porpoises of the eastern North Pacific and adjacent Arctic waters, a guide to their identification. NOAA Technical Report NMFS Circular 444.
- LeDuc, RG, BL Taylor, KK Martien, KM Robertson, RL Pitman, JC Salinas, AM Burdin, AS Kennedy, PR Wade, PJ Clapham, RL Brownell Jr. 2012. Genetic analysis of right whales in the eastern North Pacific confirms severe extirpation risk. Endangered Species Research 18:163-167.
- Legagneux, P and S Ducatez. 2013. European birds adjust their flight initiation distance to road speed limits. Biol Lett 9(5):20130417. <http://dx.doi.org/10.1098/rsbl.2013.0417>
- Lekkas, E. 2008. Zipingpu Dam Failures (Sichuan Prefecture, China) caused by the 7.9R Earthquake on the 12th May 2008. European Seismological Commission (ESC) 2008, 31st Assembly. Crete Island, Greece. p. 238-239.

- Lemke, KJ and AM Vanderpool. 1995. Overview of Environmental and Hydrogeologic Conditions at Dutch Harbor, Alaska. US Geological Survey. Open File Report 95-411. Prepared in cooperation with the Federal Aviation Administration. 7 pp.
- Lessard, JL and DB Hayes. 2003. Effects of elevated water temperature on fish and macroinvertebrate communities below small dams. *River Research and Applications*. December 2003. John Wiley & Sons, Ltd. 19(7):721-732.
- Li, YB and Y Cai. 2013. Progress in the Study of Mercury Methylation and Demethylation in Aquatic Environments. *Chinese Science Bulletin* 58(2):177-185.
- 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. Wildlife Conservation Society, North America Program, Bozeman, MT., 167 pp.
- Lincoln, KJ. 2013. Kuskokwim Seafoods closes Bethel fish plant. *The Delta Discovery*. July 17. Bethel, AK.
- Linderman, JC, Jr and DJ Bergstrom. 2009. Kuskokwim management area: salmon escapement, harvest, and management. In *Pacific salmon: ecology and management of western Alaska's populations*. American Fisheries Society Symposium 70, Bethesda, MD. p 541-599.
- Lindqvist, O. 1991. Mercury in the Swedish environment. Recent research on causes, consequences and corrective measures. *Water Air Soil Pollut* 55:1-261.
- Lindsey, DK. 1986. Paleontological Inventory and Assessment of Public Lands Administered by Bureau of Land Management State of Alaska. Bureau of Land Management Contract #AK 950CT5-15.
- Liou, Y-C and J Herbich. 1976. Sediment movement induced by ships in restricted waterways. COE Report No. 188. Texas A&M University.
- Liou, Y-C and J Herbich. 1977. Velocity distribution and sediment motion induced by ship's propeller in ship channels. *Proceedings, Hydraulics in the Coastal Zone*. ASCE, College Station, Texas.
- Lipka, C, A Tiernan, and AD Poetter. 2016. 2014 Kuskokwim area management report. Alaska Department of Fish and Game, Fishery Management Report No. 16-37, Anchorage, AK.
- Lipkin, R and DF Murray. 1997. Alaska rare plant field guide. US Fish and Wildlife Service, National Park Service, Bureau of Land Management, Alaska Natural Heritage Program, and U. S. Forest Service. <http://aknhp.uaa.alaska.edu>
- Lipkin, R. 1996. A botanical survey of the Goodnews Bay region, Alaska. Prepared for the FWS, Anchorage. AKNHP, Anchorage, AK.
- Lipkin, R. 2002. Lake Clark National Park and Preserve Vascular Plant Inventory 2001 Field Season Annual Progress Report. AKNHP and UAA, Anchorage, AK. 64 p.
- LKEDC (Lower Kuskokwim Economic Development Council). 2006. Comprehensive Economic Development Strategy and Area Plan, June 2006. Bethel, Alaska.

- LKEDC. 2012. Comprehensive Economic Development Strategy and Area Plan Update. Bethel, Alaska.
- Lloyd, DS, JP Koenings, and JF LaPerriere. 1987. Effects of turbidity in fresh waters of Alaska. *North American Journal of Fisheries Management* 7:18-33.
- Loeffler, B, and J Schmidt. 2017. Local Jobs and Income from Mineral Exploration: A Case Study of the Pebble Exploration Project. Institute of Social and Economic Research, University of Alaska Anchorage.
- Loeffler, B. 2015. Mining and Sustainable Communities. *Economic Development Journal*, Vol. 14, No. 2. Spring 2015.
- Loomis, P and R Lieberman. 2006. Biological Impacts of Off-Road Vehicles in Alaska: A Literature Review. Draft.
- Lorax (Lorax Environmental). 2009. Unpublished data, May 2009.
- Lorax. 2012a. Pit Lake Modeling Assessment in Support of Project Permitting. Final Report. October 2012.
- Lorax. 2012b. Personal communication. Robert (Nick) Enos. Environmental and Permitting Manager. Donlin Gold, LLC. In response to requests from June 4, 2013 Geochemistry Workshop. August 29, 2013. File name: PitFlows_base case.xls
- Lorax. 2014a. Technical Memorandum: Reduced Salinity Pit Lake Modeling Sensitivity Requested by URS. April 8.
- Lorax. 2014b. Personal communication. Mike Rieser. Senior Environmental Engineer. Donlin Gold, LLC. In response to requests from May 30, 2013 Pit Lake Geochemistry Conference Call. July 11, 2014. File name: PitMod_conservative_monthly_means.xls
- Lorax. 2014c. Personal communication. Mike Rieser. Senior Environmental Engineer. Donlin Gold, LLC. In response to requests from May 30, 2013 Pit Lake Geochemistry Conference Call. July 11, 2014. File name: PitMod_mean monthly_PHREEQC.xls
- Lorax. 2015. Technical Memorandum: Pit Lake Modeling of Revised Water Management Advanced Water Treatment Option. Prepared by David Flather, Lorax, for Clint Logue, Mike Rieser, James Fuego, Donlin Gold. August 18, 2015. plus Model Input/Output Results (electronic).
- Lorax. 2017a. Technical Memorandum: 200-year Pit Lake Modeling of Water Management Assuming Advanced Water Treatment Option for Donlin Gold. Prepared by David Flather and Don Dunbar, Lorax, for Mike Reiser, Donlin Gold. September 6, 2017. 16 pages.
- Lorax. 2017b. Personal Communication. RE: Donlin Gold EIS – FW: 200-year Pit Lake Model Simulation, with file 200yr AWT_PitMod_082017.xls. Email from Mike Rieser, Donlin Gold, to Richard Darden, USACE, October 3, 2017.
- Lorax. 2017c. Personal Communication. RE: Density Data Request, 200-year Pit Lake Model Simulation, with attached file Density.xlsx. Email from Mike Rieser, Donlin Gold, to Nancy Darigo, AECOM, October 23, 2017.

- Loughlin, TR. 1997. Using the phylogeographic method to identify Steller sea lion stocks. p. 329-341 *In* A Dizon, SJ Chivers, and W Perrin, editors. Molecular genetics of marine mammals, incorporating the proceedings of a workshop on the analysis of genetic data to address problems of stock identity as related to management of marine mammals. Soc. Mar. Mammal. Special Report No. 3.
- Lowry, LF, KJ Frost, and JJ Burns. 1980. Feeding of bearded seals in the Bering and Chukchi Seas and trophic interaction with Pacific walruses. *Arctic* 33(2):330-342.
- Lowry, LF, KJ Frost, JM Ver Hoef, and RA DeLong. 2001. Movements of satellite-tagged subadult and adult harbor seals in Prince William Sound, Alaska. *Marine Mammal Science* 17(4):835-861.
- Lyman, S.N., M. Sexauer Gustin, E.M. Prestbo, and F.J. Marsik. 2007. Estimation of dry deposition of atmospheric mercury in Nevada by direct and indirect methods. *Environmental Science & Technology* 41: 1970-1976.
- MacArthur, AR. 2017. YK Tribal Representatives Moved Forward with Creating a Regional Tribal Government. KYUK. April 5, 2017. Accessed April 24, 2017. <http://kyuk.org/post/yk-tribal-representatives-move-forward-creating-regional-tribal-government>
- MacDonald, R and M Winfree. 2008. Marine mammals haulout use in Bristol Bay and Southern Kuskokwim Bay, Alaska, 2006. A status report of the 2006 Marine Mammal Monitoring Effort at Togiak National Wildlife Refuge. FWS, Togiak National Wildlife Refuge, Dillingham, AK. 50 pp.
- Mack, MC, EAG Schurr, MS Bret-Harte, GR Shaver, and FS Chapin III. 2004. Ecosystem carbon storage in arctic tundra reduced by long-term nutrient fertilization. *Nature* 431:440-443.
- Mackey, J. 2012. Press Release: Orca Bay Seafoods partners with Kuskokwim Seafoods. Orca Bay Seafoods. Accessed October 7, 2013. <http://www.orcabayseafoods.com/news-press/press-release/orca-bay-seafoods-partners-with-kuskokwim-seafoods>
- Madison, RJ. 1981. Effects of Placer Mining on Hydrologic Systems in Alaska, Status of Knowledge. BLM-Alaska Technical Report 7. August 1981. BLM/AK/TR-81/07. 32 pp. <http://www.blm.gov/pgdata/etc/medialib/blm/ak/aktest/tr.Par.66344.File.dat/TR%207.pdf>
- MAG (Mitigation Advisory Group). 2009. Alaska Climate Change Strategy Mitigation Advisory Group Executive Summary. Accessed October 16, 2013. <http://www.climatechange.alaska.gov/mit/O97F21941.pdf>.
- Magdanz, J, C Brown, D Koster, and N Braem. 2011. A Network Analysis of Mixed Economies in Alaska. 27th Lowell Wakefield Fisheries Symposium. Anchorage, AK. September 2011. Accessed 11/17/2013. <http://seagrant.uaf.edu/conferences/2011/wakefield-people/presentations/magdanz-mixed-economies-analysis.pdf>
- Magdanz, J, J Greenberg, J Little, D Koster. 2016. The Persistence of Subsistence: Wild Food Harvests in Rural Alaska, 1983-2013. Available at: <https://ssrn.com/abstract=2779464>.

- Magee, DW and GG Hollands. 1998. A Rapid Procedure for Assessing Wetland Functional Capacity. Based on Hydrogeomorphic (HGM) Classification. February 1998. Normandeau Associates Incorporated, Bedford, New Hampshire and ENSR, Northboro, Massachusetts. 201 pp.
- Mallek, EJ and CP Dau. 2009. Aerial survey of Emperor Geese and other waterbirds in southwestern Alaska, Fall 2009. US Department of Interior, Fish and Wildlife Service, Migratory Bird Management. Anchorage, AK.
- Manahan, SE. 1991. Environmental Chemistry (5th Edition): Lewis Publishers. Chelsea, Michigan, 583 pp.
- Mann, DH, TS Rupp, MA Olson, and PA Duffy. 2012. Is Alaska's boreal forest now crossing a major ecological threshold? Arctic, Antarctic, and Alpine Research 44(3):319-331.
- Marcus, DM, MK Young, LE Noel, and BA Mullan. 1990. Salmonid-Habitat Relationships in the Western United States: A Review and Indexed Bibliography. UF Service, editor. General Technical Report RM-188. US Department of Agriculture Rocky Mountain Forest and Range Experiment Station. Fort Collins, Colorado.
- Margreth, S, J Faillietaz, M Funk, M Vagliasindi, F Diotri, and M Broccolato. 2011. Safety concept for hazards caused by ice avalanches from the Whymper hanging glacier in the Mont Blanc Massif. Cold Regions Science and Technology 69:194-201.
- Markon, CJ, SF Trainor, and FS Chaplain III, editors. 2012. The United States National Climate Assessment – Alaska Technical Report. US Geological Survey Circular. 1379, 148 pp.
- Marks, JS, TL Tibbitts, RE Gill, and BJ Mccaffery. 2002. Bristle-thighed Curlew (*Numenius tahitiensis*). A Poole and A Poole, editors. The Birds of North America Online. Cornell Lab of Ornithology; Ithaca, New York. <http://bna.birds.cornell.edu/eres.library.manoa.hawaii.edu/bna/species/705>
- Martin, DJ, DR Glass, CJ Whitmus, CA Simenstad, DA Milward, EC Volk, ML Stevenson, P Nunes, M Savoie, and RA Grotefendt. 1986. Distribution, season abundance, and feeding dependencies of juvenile salmon and non-salmonid fishes in the Yukon River Delta. Final Report. Outer Continental Shelf Environmental Assessment Program, Research Unit 660.
- Martin, S, M Killorin, and S Colt. 2008. Fuel Costs, Migration, and Community Viability. Prepared for The Denali Commission. Anchorage, AK.
- Marvin-DiPasquale, M, MA Lutz, ME Brigham, DP Krabbenhoft, GR Aiken, WH Orem, and BD Hall. 2009. Mercury cycling in stream ecosystems. 2. Benthic methylmercury production and bed sediment-pore water partitioning. Environ Sci Technol 43(8):2726-2732.
- Marvin-DiPasquale, MC and RS Oremland. 1998. Bacterial methylmercury degradation in Florida Everglades peat sediment. Environmental Science & Technology 32:2556–2563.
- Mason, JC. 1974. Behavioral ecology of chum salmon fry (*Oncorhynchus keta*) in a small estuary. Journal of the Fisheries Research Board of Canada 31:83-92.
- Masscheleyn, PH, RD Delaune, and WH Patrick Jr. 1991. Effect of redox potential and pH on arsenic speciation and solubility in a contaminated soil. Environmental Science and Technology 25(8):1414-1419.

- Mate, B, A Bradford, G Tsidulko, V Vertyankin, and V Ilyashenko. 2011. Late-feeding season movements of a western North Pacific gray whale off Sakhalin Island, Russia and subsequent migration into the eastern North Pacific. SC/63/BRG23 presented to the International Whaling Commission Scientific Committee. 7 pp.
- Matkin, CO, EL Saulitis, GM Ellis, P Olesiuk, and SD Rice. 2008. Ongoing population-level impacts on killer whales *Orcinus orca* following the Exxon Valdez oil spill in Prince William Sounds, Alaska. Marine Ecology Progress Series 356: 269-281.
- Matsuoka, SM, EM Bayne, P Sólymos, PC Fontaine, SG Cumming, FKA Schmiegelow, and SJ Song. 2012. Using BINOMIAL Distance-sampling models to estimate the effective detection radius of Point-count surveys across boreal Canada.
- Matz, A. 2012. Mercury, arsenic, and antimony in aquatic biota from the Middle Kuskokwim River region, 2010–2011. Bureau of Land Management and US Fish and Wildlife Service. Fairbanks, Alaska.
- Matz, A. 2014. Mercury in pike on the lower Yukon and Kuskokwim rivers. Presentation at the 2014 Alaska Forum on the Environment. US Fish and Wildlife Service.
- Maynard, ST. 2000. Physical Forces near Commercial Tows. Upper Mississippi River – Illinois Waterway System Navigation Study. US Army Engineer Research and Development Center (ERDC). ENV Report 19, March 2000.
- Mazumder, BS, NG Bhowmik, and TW Soong. 1993. Turbulence in rivers due to navigation traffic. Journal of Hydraulic Engineering. ASCE 119: 581-597.
- McAfee, SA, G Guentchev, and JK Eischeid. 2013. Reconciling Precipitation Trends in Alaska: 1. Station-based Analyses. J Geophysical Research: Atmospheres 118:7523-7541.
- McCaffery, BJ and CM Harwood. 1994. Distribution and Relative Abundance of Harlequin Ducks in the Southwest Kuskokwim Mountains.
- McCaffery, BJ, J Bart, C Wightman, and DJ Krueper. 2012. Shorebird surveys in western Alaska. p. 19-36 In J Bart and V Johnston, editors. Arctic shorebirds in North America: a decade of monitoring. Studies in Avian Biology (no. 44). University of California Press; Berkeley, CA.
- McCaffery, BJ. 1996. Distribution and relative abundance of Gray-cheeked Thrush (*Catharus minimus*) and Blackpoll Warbler (*Dendroica striata*) on Yukon Delta National Wildlife Refuge, Alaska. Unpublished Report, US Fish and Wildlife Service. Bethel, AK.
- McClean, RF. 1993. North Slope Gravel Pit Performance Guidelines. Alaska Department of Fish and Game Habitat Restoration Division. Technical Report Number 93-9.
- McConnell, VS, JE Begét, AL Roach, KW Bean, and CJ Nye. 1997. Geologic Map of Makushin Volcanic Field, Unalaska Island, Alaska. Alaska Division of Geological and Geophysical Surveys. Report of Investigation 97-20, 1 sheet scale 1:63,360.
- McCullough, CD, editor. 2014. Mine Pit Lakes: Closure and Management. Australian Centre for Geomechanics, University of Western Australia, Nedlands, Western Australia.
- McCullough, CD, G Marchand, and J Unseld. 2013. Mine closure of pit lakes as terminal sinks: best available practice when options are limited? Mine Water and the Environment 32(4):302-313.

- McCullough, CD, G Marchant, J Unseld, M Robinson, and B O'Grady. 2012. Pit lakes as evaporative 'terminal' sinks: an approach to best available practice mine closure. Proceedings of International Mine Water Association (IMWA) Symposium 2012, p. 167-174. Bunbury, Australia. International Mine Water Association.
- McDonald, MC and AW Harbaugh 1988. A Modular Three-Dimensional Finite-Difference Ground-Water Flow Model. US Geological Survey Techniques of Water-Resources Investigations. Book 6, Chapter A1, 586 pp.
- McDowell Group. 2012. The Economic Impacts of Alaska's Mining Industry. Prepared for Alaska Miners Association. Juneau, AK.
- McDowell Group. 2013. Economic Impact of Alaska's Visitor Industry, 2011-2012. Prepared for the Alaska Department of Commerce, Community, and Economic Development, Division of Economic Development.
- McDowell Group. 2017. The Role of Oil and Gas in Alaska's Economy. Presentation at AOGA Annual Conference. May 32, 2017.
- McGimsey, RG and CA Neal. 1996. 1995 Volcanic Activity in Alaska and Kamchatka: Summary of Events and Response of the Alaska Volcano Observatory. US Geological Survey. Open-File Report 96-738.
- McGimsey, RG, CA Neal, JP Dixon, and S Ushakov. 2008. 2005 Volcanic Activity in Alaska, Kamchatka, and Kurile Islands: Summary of Events and Response of the Alaska Volcano Observatory. US Geological Survey, Scientific Investigations Report 2007-5269.
- McGimsey, RG, CA Neal, JP Dixon, N Malik, and M Chibisova. 2011. 2007 Volcanic Activity in Alaska, Kamchatka, and Kurile Islands: Summary of Events and Response of the Alaska Volcano Observatory. US Geological Survey, Scientific Investigations Report 2010-5242.
- McGuire, AD. 2015. Interim Progress Report for the Integrated Ecosystem Model for Alaska and Northwest Canada. Fairbanks, AK: Scenarios Network for Alaska and Arctic Planning. Available at: <https://csc.alaska.edu/resource/interim-progress-report-IEM>.
- McKendrick, JD. 1997. Long term recovery in northern Alaska. Pages 503-518 in RMM Crawford, editor. Disturbance and Recovery in Arctic Lands: an Ecological Perspective. Kluwer Academic, Dordrecht, The Netherlands.
- McKendrick, JD. 1999. Arctic tundra recovery from Crude oil after 24 years, Prudhoe Bay. *Agroborealis* 31(1):28-35.
- McLaughlin, J and L Castrodale, editors. 2014. 2014 Updated Fish Consumption Advice for Alaskans. State of Epidemiology. Bulletin No. 13. July 22, 2014. Accessed November 10, 2015. Available online: http://www.epi.hss.state.ak.us/bulletins/docs/b2014_13.pdf
- McLellan, BN and DM Shackleton. 1988. Grizzly bears and resource extraction industries: effects of roads on behavior, habitat use, and demography. *J Applied Ecology* 25:451-460.
- McLellan, BN. 1989. Dynamics of a grizzly bear population during a period of industrial resource extraction, II: mortality rates and causes of death. *Can J Zoology* 67:1861-1864.

- McMahon, TE and LB Holtby. 1992. Behaviour, habitat use, and movement of coho salmon (*Oncorhynchus kisutch*) smolts during seaward migration. *Canadian Journal of Fisheries and Aquatic Sciences* 49:1478-1485.
- McNeeley, SM. 2009. Seasons out of Balance: Climate Change Impacts, Vulnerability, and Sustainable Adaptation in Interior Alaska. PhD Dissertation, UAF. 240 pp.
- McPhail, JD and VL Paragamian. 2000. Burbot biology and life history. In VL Paragamian and DH Willis, editors. *Burbot Biology, Ecology, and Management*. Publication No. 1, American Fisheries Society, Fisheries Management Section, Bethesda, Maryland: 11-23.
- MDAG (Mine Drainage Assessment Group). 2006. Draft Donlin Creek Project – Environmental Geochemistry Report for Prefeasibility. Prepared for Placer Dome America. February 12, 2006.
- Mecklenburg, CW, TA Mecklenburg, and LK Thorsteinson. 2002. *Fishes of Alaska*. American Fisheries Society Publication; Bethesda, MD. 1116 pp.
- Mehling, P, S Day, and K Sexsmith. 1997. Blending and Layering Waste Rock to Delay, Mitigate, or Prevent Acid Rock Drainage and Metal leaching: A Case Study Review. Proceedings of the 4th International Congress on Acid Rock Drainage, Vancouver BC, May 31 to June 6, 1997.
- Meiers, GP, LS Barbour, and CV Qualizza. 2006. The use of *In Situ* Measurement of Hydraulit Conductivity to Provide an Understanding of Cover System Performance over Time. 7th International Conference on Acid Rock Drainage (ICARD), March 26-30, 2006, St. Louis, MO.
- Meltofte, H, T Piersma, H Boyd, B McCaffery, B Ganter, VV Golovnyuk, K Graham, CL Gratto-Trevor, RIG Morrison, E Nol, HU Rosner, D Schamel, H Schekkerman, MY Soloviev, PS Tomkovich, DM Tracy, I Tulp, and L Wennerberg. 2007. Effects of climate variation on the breeding ecology of Arctic shorebirds. *Meddelesler om Gronland Bioscience* 59. Danish Polar Center. Copenhagen, Denmark.
- Merizon, RA. 2012. Status of Grouse, Ptarmigan and Hare in Alaska, 2012. Alaska Department of Fish and Game. Wildlife Management Report, ADF&G/DWC/WMR-2012-1. Anchorage.
- Merritt, MF. 2001. Strategic Plan for Salmon Research in the Kuskokwim River Drainage Alaska Department of Fish and Game Division of Sport Fish, Research and Technical Services, Special Publication Number 01-07. Anchorage, AK. 41 pp.
<http://www.sf.adfg.state.ak.us/FedAidPDFs/sp01-07.pdf>
- Metzner, KA. 1993. Ecological strategies of wintering Steller's eiders on Izembek Lagoon and Cold Bay, Alaska. M.S. Thesis, University of Missouri, Columbia, MO, 193 pp.
- Meyer, MP. 1985. Mineral Investigation of the Iditarod-George Planning Block, Central Kuskokwim River Area, Alaska. US Bureau of Mines. Open File Report 9-85, 254 pp, 4 sheets, scale 1:250,000.
- Michael Baker Jr., Inc. 2013. Project Note: Diesel Pipeline Alternative. Prepared for Donlin Gold, LLC. November 1. Document Number 134667-MBJ-PN-001. 16 pp.

- Michael Baker Jr., Inc. 2014. Diesel Pipeline Spill Response. Prepared for Donlin Gold, LLC. Project Note: Diesel Pipeline Spill Response. Prepared for Donlin Gold, LLC, Baker Project Number 139288, 10 pp., May 7, 2014.
- Michael Baker. 2016. Preliminary Jurisdictional Determination, Donlin Gold Project, Southwest Alaska. December 2016, Version 2.0, Report Number 152052-MBI-WL-PJD-002. Prepared for Donlin Gold, LLC.
- Michael Baker. 2017a. Wetland and Vegetation Maps, Donlin Gold Project, Southwest Alaska. Donlin_Wetland_Mapping_20170114.gdb, January 14, 2017, Prepared for Donlin Gold, LLC.
- Michael Baker. 2017b. North Route Addendum to the Preliminary Jurisdictional Determination, Donlin Gold Project, Southwest Alaska. August 2017, Report Number 159380-MBI-WL-PJD-001 Rev-0. Prepared for Donlin Gold, LLC.
- Michael Baker International and Remote Aquatics (Michael Baker). 2017c. North Route Fisheries Report, Donlin Gold Project, Southwest Alaska. Prepared for Donlin Gold LLC, Anchorage Alaska. Report Number 159380-MBI-BI-001 Rev-0. August.
- Michael Baker. 2017d. North Route Stream Crossing Assessment, Donlin Gold Project, Southwest Alaska. Prepared for Donlin Gold LLC, Anchorage Alaska. Report Number 159380-MBI-HH-RPT-001. Prepared for Donlin Gold, LLC. October.
- Michael, J-P. 2011. Linking Weather and Climate. Accessed September 4, 2014. <http://linkingweatherandclimate.com/ocean/waterdensity.php>
- Mickelson, PG. 1975. Breeding Biology of Cackling Geese and Associated Species on the Yukon-Kuskokwim Delta, Alaska. Wildlife Monograph 45. The Wildlife Society; Washington, DC. 35 pp.
- Midnight Sun Court Reporters. 2015. Donlin Gold Project Environmental Impact Statement, Mitigation Workshop Day 2. Reported by Mary Varick. July 16, 2015, Vol. II, p. 269-560.
- Midnight Sun Court Reporters. 2016. Donlin Gold Mine DEIS Public Meeting – Akiak. Reported by Mary Varick. February 2, 2016.
- 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.
- Mildon, R, TS Newman, NC Wardwell, and M Zieser. 2009. Water Level Adjustments For NOAA Hydrographic Surveys In Cook Inlet: 11 Years Of Study, Experimentation And Adaption. Anchorage, Alaska.
- Miller, ML and TK Bundtzen. 1994. Generalized Geologic Map of the Iditarod Quadrangle, Alaska, showing Potassium-Argon, Major-Oxide, Trace-Element, Fossil, Paleocurrent, and Archeological Sample Localities, US Geological Survey Miscellaneous Field Map MF-2219-A.
- Miller, ML, DC Bradley, RJ Goldfarb, and TK Bundtzen. 2008. Late Cretaceous tectonic evolution and metallogeny of southwestern Alaska. Presentation at Western Alaska Interdisciplinary Science Conference, Dillingham, Alaska. US Geological Survey.

- Miller, ML, DC Bradley, TK Bundtzen, and W McClelland. 2002. Late Cretaceous through Cenozoic strike-slip tectonics of southwestern Alaska. *Journal of Geology* 110:247-270.
- Miller, ML, R Carlson, W Keith, G Lee. 1998. Analytical Results for Rock and Stream Sediment Samples Collected in 1997 from the Sleetmute Quadrangle, Alaska. US Geological Survey. Open-File Report 98-800, 1 p.
- Mining.com. 2016. Five Alaskan Villages that need gravel to survive. Published first in Midwest Industrial Supply. June 6, 2016. Accessed September 28, 2017.
<http://www.mining.com/web/5-alaskan-villages-that-need-gravel-runways-to-survive/>
- Mitchell, C.P.J., B.A. Branfireun, and R.K. Kolka. 2007. Spatial characteristics of net methylmercury production hot spots in peatlands. *Environmental Science & Technology* 42: 1010-1016.
- Mitchell, CPJ, BA Branfireun, and RK Kolka. 2008. Total mercury and methylmercury dynamics in upland-peatland watersheds during snowmelt. *Biogeochemistry*, vol. 90, no.3, pp. 225-241.
- Mizroch, SA, DW Rice, D Zwiefelhofer, J Waite, and WL Perryman. 2009. Distribution and movements of fin whales in the North Pacific Ocean. *Mammal Review* 39(3):193-227.
- MMA (McVehil-Monnett Associates, Inc.). 2005. Quality Assurance/Quality Control Plan for Placer Dome US Donlin Creek Mine May 2005.
- MMA. 2007a. Annual Report, Monitoring Year: July 1, 2005 to June 30, 2006, Meteorological Monitoring Report for Year for the Barrick Gold Corporation Donlin Creek Joint Venture, American Ridge Meteorological Site. August 16, 2007.
- MMA. 2007b. Annual Report, Monitoring Year: May 1, 2006 to April 30, 2007, Meteorological Monitoring Report for the Barrick Gold Corporation, Donlin Creek Project, Camp Meteorological Site. October 17, 2007.
- MMA. 2007c. Annual Report, Monitoring Year: July 1, 2006 to June 30, 2007, Meteorological Monitoring Report for the Barrick Gold Corporation, Donlin Creek Project, American Ridge Meteorological Site. November 27, 2007.
- MMA. 2008a. Summary Report, Monitoring Period: July 2006 to December 2007, PM-2.5 Monitoring Report, New Air Station, Donlin Creek Project. February 2008.
- MMA. 2008b. Annual Report, Monitoring Year: July 1, 2006 to June 30, 2007, PM-10 Monitoring Report, New Air Station, Barrick Gold Corporation, Donlin Creek Project. December 28, 2007.
- MMA. 2008c. Annual Report, Monitoring Year: July 1, 2007 to June 30, 2008, PM-10 Monitoring Report, New Air Station, Donlin Creek Project. September 12, 2008.
- MMA. 2008d. Annual Report, Monitoring Year: November 18, 2006 to November 17, 2007, Gaseous Pollutant Monitoring Report, New Air Station, Donlin Creek Gold Mining Project. April 30, 2008.
- MMA. 2008e. Annual Report, Monitoring Year: May 1, 2007 to April 30, 2008, Meteorological Monitoring Report, Donlin Creek Project, Camp Meteorological Site. September 11, 2008.

- MMA. 2009a. Annual Report, Monitoring Year: July 1, 2007 to June 30, 2008, Meteorological Monitoring Report, Donlin Creek Project, American Ridge Meteorological Site. February 9, 2009.
- MMA. 2009b. Annual Report, Monitoring Year: January 1 to December 31, 2008, Gaseous Pollutant Monitoring Report, New Air Station, Donlin Creek Gold Mining Project. March 9 2009.
- MMA. 2009c. Annual Report (Amended), Monitoring Year: January 2008 to December 2008, PM-2.5 Monitoring Report, New Air Station, Donlin Creek Project. Amended July 9, 2009.
- MMA. 2009d. Annual Report, Monitoring Year: May 1, 2008 to April 30, 2009, Meteorological Monitoring Report, Donlin Creek Project, Camp Meteorological Site. August 1, 2009.
- MMA. 2009e. Annual Report Monitoring Year: July 1, 2008 to June 30, 2009, Meteorological Monitoring Report for the Donlin Creek Project, American Ridge Meteorological Site. October 14, 2009.
- MMA. 2010a. Annual Report, Monitoring Year: May 1, 2009 to April 30, 2010, Donlin Creek Project, Camp Meteorological Site. July 28, 2010.
- MMA. 2010b. Annual Report Monitoring Year: July 1, 2009 to June 30, 2010, Meteorological Monitoring Report for the Donlin Creek Project, American Ridge Meteorological Site. December 22, 2010.
- MMA. 2010c. Quality Assurance Project Plan for Donlin Creek Project, Donlin Camp Meteorological, Particulate, and Gaseous Air Monitoring Program. As revised November 15, 2010.
- MMA. 2010d. Quality Assurance Project Plan for Donlin Creek Project, Donlin Camp Ambient Air Monitoring Program, Revised, February 2010.
- MMA. 2011a. Annual Report, Monitoring Year: April 1, 2010 to March 31, 2011, Meteorological Monitoring Report, Donlin Creek Project, Birch Tree Crossing Meteorological Site. May 24, 2011.
- MMA. 2011b. Annual Report, Monitoring Year: May 1, 2010 to April 30, 2011, Donlin Creek Project, Camp Meteorological Site. October 4, 2011.
- MMA. 2011c. Annual Report, Monitoring Year: October 1, 2010 to September 30, 2011, Meteorological Monitoring Report, Donlin Gold Project, Jungjuk Meteorological Site. December 20, 2011.
- MMA. 2011d. Quality Assurance Project Plan for Donlin Creek Project, Gaseous Air Monitoring Program, September 2011.
- MMA. 2012a. Annual Report, Monitoring Year: April 1, 2011 to March 31, 2012, Meteorological Monitoring Report, Donlin Gold Project, Birch Tree Crossing Meteorological Site. July 17, 2012.
- MMA. 2012b. Annual Report, Monitoring Year: May 1, 2011 to April 30, 2012, Donlin Creek Project, Camp Meteorological Site. October 1, 2012.

- MMA. 2012c. Annual Report, Monitoring Year: October 1, 2011 to September 30, 2012, Meteorological Monitoring Report, Donlin Gold Project, Jungjuk Meteorological Site. December 7, 2012.
- MMA. 2012d. Annual Report, Monitoring Year: December 1, 2010 to November 30, 2011, Gaseous Pollutant Monitoring Report, New Air Station, Donlin Gold Mining Project. March 27, 2012.
- MMA. 2013. Annual Report, Monitoring Year: April 17, 2012 to April 16, 2013, Gaseous Pollutant Monitoring Report, New Air Station, Donlin Gold Mining Project, May 9, 2013.
- Mohan, D and CU Pitman. 2007. Arsenic removal from water/wastewater using adsorbents – A critical review. *Journal of Hazardous Materials* 142:1–53.
- Moll-Stalcup, EJ. 1994. Latest Cretaceous and Cenozoic magmatism in mainland Alaska. In G Plafker and HC Berg, editors. *The Geology of Alaska: Boulder, Colorado. Geological Society of America, The Geology of North America. G-1:589-618.*
- Molnia, BF. 2008. Glaciers of Alaska, Glaciers of North American-Satellite Image Atlas of the Glaciers of the World. RS Williams Jr and JG Ferrigno, editors. US Geological Survey. Professional Paper 1386-K.
- Montgomery, RA, JM Ver Hoef, and PL Boveng. 2007. Spatial modeling of haul-out site use by harbor seals in Cook Inlet, Alaska. *Mar Ecol Progr Ser* 341:257-264.
- Moody, C. 2013. Incidental Observations of Rare or Non-Native Plant Species by 3PPI Wetland Delineation Field Crews 1996-2013. Memo from 3PPI to Donlin Gold, November 8, 2013. 7 pp.
- Moody, C. 2015. EIS Team Request for Invasive Species Survey Data Near the Mine Site. January 15, 2015. Project No. 104.1.3.3. Memo from Cheryl Moody, Three Parameters Plus, Inc. to Enric Fernandez, Donlin Gold, LLC. 27 pp.
- Moore, JP, DM Moore, M Clark, DR Kautz, D Mulligan, M Mungoven, DK Swanson, and D Van Patten. 2004. Land resource regions and major land resource areas of Alaska. DR Kautz and P Taber, editors. USDA-NRCS. Palmer, AK.
- Moore, SE, JM Waite, NA Friday, T Honkalehto. 2002. Cetacean distribution and relative abundance on the central-eastern and the southeastern Bering Sea shelf with reference to oceanographic domains. *Prog Oceanogr* 55:249–261.
- Moran, EH and GL Solin. 2006. Preliminary Water-Table Map and Water-Quality Data for Part of the Matanuska-Susitna Valley, Alaska, 2005. US Geological Survey Open-File Report 2006-1209.
- Morehouse, T, G McBeath, and L Leask. 1984. *Alaska's Urban and Rural Governments*. Lanham, MD: University Press of America.
- Moreau, JW, CM Gionfriddo, DP Krabbenhoft, JM Ogorek, JF DeWild, GR Aiken, and EE Roden. 2015. The Effect of Natural Organic Matter on mercury Methylation by *desulfobulbus propionicus* 1pr3. *Frontiers in Microbiology*, vol. 6: 1389.
- Morel, FMM, AML Kraepiel, and M Amyot. 1998. The chemical cycle and bioaccumulation of mercury. *Annual Review of Ecology and Systematics* 01/1998; 29:543-566. DOI:10.1146/annurev.ecolsys.29.1.543

- Morgan, VH and M Sytsma. 2009. Introduction to Common Native and Potential Invasive Freshwater Plants in Alaska. Prepared by Center for Lakes and Reservoirs, Portland State University for Alaska Department of Fish and Game and the US Fish and Wildlife Service, Anchorage, AK. Accessed November 12, 2013. <http://aknhp.uaa.alaska.edu/botany/akepic/publications/>
- Morgan, VH and M Sytsma. 2010. Alaska *Spartina* Prevention, Detection, and Response Plan. Report Prepared for NFMS. Juneau, AK.
- Morrison, RIG, BJ McCaffery, RE Gill, SK Skagen, SL Jones, GW Page, CL Gratto-Trevor, and BA Andres. 2006. Population estimates of North American shorebirds, 2006. Wader Study Group Bull 111:67-85.
- Morrow, JE. 1980. The Freshwater Fishes of Alaska. Anchorage, AK: Alaska Northwest Publishing Company. 248 pp.
- Mortensen (Tom Mortensen Associates, LLC). 2014. POA-2014-64, Knik Construction Co., Inc., Bethel Yard Dock, Response to Comments from City of Bethel, Port of Bethel, ONC, Delta Western. Submittal of Navigation Plan, River Channel Constrictions Plan and Sections. Revised Permit Drawings Sheets 1-3. June 14, 2014.
- Moser, ML, AF Olson, and TP Quinn. 1991. Riverine and estuarine migratory behavior of coho salmon (*Oncorhynchus kisutch*) smolts. Canadian Journal of Fisheries and Aquatic Sciences 48:1670-1678.
- MSB (Matanuska-Susitna Borough). 2005. Matanuska-Susitna Borough Comprehensive Plan; 2005 Update. Matanuska-Susitna Borough Planning and Land Use Department.
- MSB. 2008. Regional Aviation System Plan: Airport Location Study. Prepared for Matanuska-Susitna Borough by DOWL HKM. August 2008. Available online at: <https://www.matsugov.us/plans/rasp>
- MSB. 2013. Code, Chapter 8.52: Noise, Amplified Sound, and Vibration. Accessed October 7, 2013. <http://www.codepublishing.com/AK/matanskasusitnaborough/>
- MSES (Management and Solutions in Environmental Science). 2006. 2004-2005 Wildlife Technical Report, Draft B. Prepared for Placer Dome, US Calgary, Canada. 147 pp.
- Mueller, SH, RJ Goldfarb, ML Miller, LA Munk, R Sanzolone R, PJ Lamothe, M Adams, PH Briggs, RB McClesky, and PM Theodorakos. 2003. Surface and Ground Water Geochemistry Near the Donlin Creek Gold Deposit, Southwestern Alaska. US Geological Survey. Open-File Report 03-492, 31 pp.
- Mullins, E. 2005. Baseline Noise Study - Kuskokwim River. Earl Mullins, PE. August 22, 2005.
- Mullins, E. 2013. Gas Compressor Station MP 0-6. Earl Mullins, PE. February 12, 2013.
- Munger, LM, SM Wiggins, SE Moore, and JA Hildebrand. 2008. North Pacific right whale (*Eubalaena japonica*) seasonal and diel calling patterns from long-term acoustic recordings in the southeastern Bering Sea, 2000-2006. Marine Mammal Science 24(4):795-814.
- Municipality of Anchorage (MOA). No Date. Aquifer Test Procedures. Development Services Dept., Building Safety Div., On-Site Water and Wastewater Program. 1 p.

- Municipality of Anchorage, Office of Management and Budget. 2013. Six Year Fiscal Program 2013-2018. Anchorage, AK.
- Munter, JA and MP Anderson. 1981. The use of ground-water flow models for estimating lake seepage rates. *Ground Water* 19(6):608-616.
- Muramoto, S and Y Oki. 1984. Influence of anionic surface-active agents on the uptake of heavy metals by water hyacinth (*Eichornia crassipes*). *Bull Environ Contam Toxicol* 33:444-450.
- Murphy, JM. 1987. Early Cretaceous Cessation of Terrane Accretion, Northern Eek Mountains, Southwestern Alaska. In TD Hamilton and JP Galloway, editors. *Geologic Studies in Alaska by the US Geological Survey during 1986*. US Geological Survey Circular 998, p 83-85.
- Murphy, K, F Huettmann, N Fresco, J Morton. 2010. Connecting Alaska Landscapes into the Future. SNAP, UAF. Available at:
https://www.snap.uaf.edu/sites/default/files/SNAP_connectivity_2010.pdf
- Murphy, M, R Laiho, and TR Moore. 2009. Effects of water table drawdown on root production and aboveground biomass in a boreal bog. *Ecosystems* DOI: 10:1007/s10021-009-0283z
- Myers, M. 2013. Personal communication. Vice President Operations. Delta Western, Inc. December 5, 2013. Jennifer Anderson. URS.
- Myers, T. 2015. Hydrogeology of the Humboldt River Basin, Impacts of Open-Pit Mine Dewatering and Pit Lake Formation. Prepared for Progressive Leadership Alliance of Nevada and Great Basin Resource Watch. June 2015, Reno, NV.
- Myers, T. 2016. Technical Memorandum, Review of the Draft Supplement Environmental Impact Statement for the Donlin Gold Project. Prepared for Northern Alaska Environmental Center. Minor Revisions, May 26, 2016.
- Myers-Smith, IH, BK Arnesen, RM Thompson, and FS Chapin III. 2006. Cumulative impacts on Alaska arctic tundra of a quarter century of road dust. *Ecoscience* 13(4):503-510.
- NADP (National Atmospheric Deposition Program). 2013. NADP Mercury Deposition Network. <http://nadp.sws.uiuc.edu/MDN/> Accessed November 1, 2013.
- Naftz, DL, JR Cederberg, DP Krabbenhoft, KR Beisner, J Whitehead, J Gardberg. 2011. Diurnal trends in methylmercury concentration in a wetland adjacent to Great Salt Lake, Utah, USA. *Chemical Geology*, Vol. 283, Issues 1-2, p. 78-86.
- Naiman, JN. 2011. ANILCA Section 810: An Undervalued Protection for Iñupiat Villagers' Subsistence. *Fordham Environmental Law Review* 7(2):210-350.
- NANA Regional Corporation, Inc. 2013. Red Dog by the Numbers. Accessed November 4, 2013. <http://nana.com/regional/resources/red-dog-mine/red-dog-faq/>
- Nasu, K. 1974. Movement of baleen whales in relation to hydrographic conditions in the northern part of the North Pacific Ocean and the Bering Sea. In: DW Hood and EJ Kelley, editors. *Oceanography of the Bering Sea, with emphasis on renewable resources*. Institute of Marine Science, University of Alaska. p 345-361.
- National Audubon Society. 2013. Important Bird Areas – Susitna Flats website. [http://netapp.audubon.org/IBA/Site/951Ornithologists' Union](http://netapp.audubon.org/IBA/Site/951Ornithologists'Union)

- Native Village of Napaimute. 2017. ICDBG Sawmill Project & Brownsfield Program Report by Lisa Feyereisen. July-August Report. Accessed September 28, 2017.
<http://napaimute.org/2017/08/21/icdbg-sawmill-project-brownsfield-program-report-by-lisa-feyereisen/>
- NatureServe. 2008. International Ecological Classification Standard: Terrestrial Ecological Classifications. NatureServe Central Databases. Arlington, VA. 19 pp.
- Nawrocki, T, H Klein, M Carlson, L Flagstad, J Conn, R DeVelice, A Grant, G Graziano, B Million, and W Rapp. 2011. Invasiveness Ranking of 50 Non-Native Plant Species for Alaska. Report prepared for the Alaska Association of Conservation Districts. Alaska Natural Heritage Program, University of Alaska Anchorage, Anchorage, AK. 253 pp.
- Nawrocki, T, J Fulkerson, and M Carlson. 2013. Alaska Rare Plant Field Guide. AKNHP, Anchorage, AK. 350 pp.
- NCES (National Center for Education Statistics). 2014. Fast Facts. Drop Out Rates. Website accessed March 2014. <https://nces.ed.gov/fastfacts/display.asp?id=16>
- Neal, CA, RG McGimsey, JP Dixon, A Manevich, and A Rybin. 2009. 2006 Volcanic Activity in Alaska, Kamchatka, and Kurile Islands: Summary of Events and Response of the Alaska Volcano Observatory. US Geological Survey. Scientific Investigations Report 2008-5214.
- Neal, CA, RG McGimsey, JP Dixon, CE Cameron, AA Nuzhdaev, and M Chibisova. 2011. 2008 Volcanic Activity in Alaska, Kamchatka, and Kurile Islands: Summary of Events and Responses of the Alaska Volcano Observatory. US Geological Survey, Scientific Investigations Report 2010-5243.
- Neave, F. 1955. Notes on the seaward migration of pink and chum fry. Journal of the Fisheries Research Board of Canada 12:369-374.
- Neilson, JL, CM Gabriele, AS Jensen, K Jackson, and JM Straley. 2012. Summary of reported whale-vessel collisions in Alaskan waters. Journal of Marine Biology. doi:10.1155/2012/106282.
- NEJAC (National Environmental Justice Advisory Council). 2013. Recommendations for Fostering Environmental Justice for Tribes and Indigenous Peoples. A Report of Recommendations of NEJAC, A Federal Advisory Committee to the US Environmental Protection Agency. January 15, 2013.
- Nelson, H, BR Larsen, EA Jenne, and DH Sorg. 1977. Mercury Dispersal from Lode Sources in the Kuskokwim River Drainage, Alaska. Science. November 25, 1977. 198(4319):820-824.
- Nelson, R. 1983. Make Prayers to the Raven: A Koyukon View of the Northern Forest. University of Chicago Press.
- Nemoto, T. 1970. Feeding pattern of baleen whales in the ocean. In JH Steele, editor. Marine food chains. University of California Press, Berkley. p. 241-252.
- NES (Northern Ecological Services). 1996. Letter to Placer Dome - Summary of August 14-17, 1996 Field Investigation of Fish Habitats. Donlin Creek Gold Project. Anchorage, Alaska.
- NES and HDR Alaska, Inc. 1999. Donlin Creek Gold Project Fish and Aquatic Habitat Baseline Investigations Annual Report 1998 Study Program

- Nevada Division of Environmental Protection. 1996. Meteoric Water Mobility Procedure (MWMP) Standardized Column Test Procedure. NDEP publication MWMP.ltr. May 3 1996.
- NewFields (NewFields Companies, LLC). 2013. Draft Health Impact Assessment, Baseline Community Health Data Assessment Donlin Gold Project. Prepared for Alaska Department of Health and Social Services. January 2015.
- NewFields. 2015. Draft Health Impact Assessment, Baseline Community Health Data Assessment, Donlin Gold Project. Prepared for Alaska Department of Health and Social Services Health Impact Assessment Program.
- NewFields. 2016. Draft Health Impact Assessment, Donlin Gold Project. Prepared for Alaska Department of Health and Social Services. 217 pp. February 2016.
- NGA (National Geospatial-Intelligence Agency). 2016. Arctic Digital Elevation Model (DEM). Accessed January 21, 2017.
<https://www.nga.mil/MediaRoom/PressReleases/Pages/Arctic3DAlaska.aspx>
- NHD (National Hydrography Database). April 26, 2012. <http://nhd.usgs.gov/data.html>
- Niccoli, WL. 2009. Hydrologic Characterization of Pit Lakes. *In* DN Castendyk and LE Eary, editors. Mine Pit Lakes, Characteristics, Predictive Modeling, and Sustainability. Part II, Chapter 4, p. 33-43.
- NICNAS (National Industrial Chemicals Notification and Assessment Scheme). 2010. Sodium Cyanide: Priority Existing Chemical Assessment Report No. 31. Australian Government, Department of Health and Ageing. Accessed August 14, 2015.
http://www.nicnas.gov.au/__data/assets/pdf_file/0018/4392/PEC_31_Sodium-Cyanide_Full_Report_PDF.pdf
- NISC (National Invasive Species Council). 2003. General Guidelines for the Establishment & Evaluation of Invasive Species Early Detection & Rapid Responses Systems. NISC, Washington, DC.
- NISC. 2016a. Aquatic invasive species information page.
<https://www.invasivespeciesinfo.gov/aquatics/main.shtml>
- NISC. 2016b. Animals: Invertebrate invasive species page.
<https://www.invasivespeciesinfo.gov/animals/main.shtml>
- NMFS (National Marine Fisheries Service) 2005a. Final Environmental Impact Statement for Essential Fish Habitat Identification and Conservation in Alaska. US Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Alaska Region. April 2005.
- NMFS. 2005b. Final Environmental Impact Statement for Essential Fish Habitat Identification and Conservation in Alaska, Appendix G: Non-fishing Impacts to Essential Fish Habitat and Recommended Conservation Measures.
- NMFS. 2008. Conservation plan for the Cook Inlet beluga whale (*Delphinapterus leucas*). US Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service. Juneau, Alaska.

- NMFS. 2010. Essential Fish Habitat in Alaska 5-year review for 2010. <http://alaskafisheries.noaa.gov/habitat/efh/review.htm>
- NMFS. 2010b. Recovery plan for the fin whale (*Balaenoptera physalus*). National Marine Fisheries Service, Silver Spring MD. 121 pp.
- NMFS. 2011a. Impacts to essential fish habitat from non-fishing activities in Alaska. US Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Alaska Region. November 2011.
- NMFS. 2011b. Anadromous Salmonid Passage Facility Design. US Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Northwest Region, Portland, OR. <http://www.nwr.noaa.gov/Salmon-Hydropower/FERC/upload/Fish-Passage-Design.pdf>
- NMFS. 2012. Regional Introduction: Kuskokwim River Mouth. Alaska Fisheries Science Center. Accessed October 17, 2013. http://www.afsc.noaa.gov/REFM/Socioeconomics/Projects/profile_drafts/Regional_Kuskokwim_River_Mouth.pdf
- NMFS. 2013a. NMFS Alaska Fisheries Office Essential Fish Habitat. <http://alaskafisheries.noaa.gov/habitat/efh.htm>
- NMFS. 2013b. NOAA Fisheries news release: NOAA removes the eastern Steller sea lion from the Endangered Species Act list. Accessed October 30, 2013. <http://alaskafisheries.noaa.gov/newsreleases/2013/easternssl102313.htm>
- NMFS. 2013c. Final Recovery Plan for the North Pacific Right Whale (*Eubalaena japonica*). National Marine Fisheries Service, Office of Protected Resources. Silver Spring, MD.
- NMFS. 2013d. Final Environmental Impact Statement for Issuing Annual Quotas to the Alaska Eskimo Whaling Commission for a Subsistence Hunt on Bowhead Whales for the Years 2013 through 2018. January 2013. National Marine Fisheries Service, Alaska Region. Juneau, Alaska.
- NMFS. 2015. Habitat Conservation Division – NMFS Alaska. Accessed November 11, 2015 at: <http://alaskafisheries.noaa.gov/habitat/default.htm>
- NMFS. 2016. Impacts to essential fish habitat from non-fishing activities in Alaska. Alaska Region, Habitat Conservation Division. November 21, 2016. 212 pp.
- NOAA (National Oceanic and Atmospheric Administration). No Date. Metabolism of PAHs by Teleost Fish – Scientific Findings. US Dept. of Commerce National Oceanic and Atmospheric Administration.
- NOAA. 2005. Community profiles for North Pacific Fisheries – Alaska, Dutch Harbor/Unalaska. JA Sepez, BD Tilt, CL Package, HM Lazrus, and I Vaccaro, authors. U. S. Department of Commerce, National Oceanic and Atmospheric Administration. Technical Memorandum NMFS-AFSC-160. Pp. 313. Accessed December 27, 2013. http://www.afsc.noaa.gov/Publications/AFSC-TM/NOAA-TM-AFSC-160/COMMUNITIES/Dutch_Harbor_Unalaska.pdf
- NOAA. 2006. Small Diesel Spills (500-5,000 gallons). http://archive.orr.noaa.gov/book_shelf/974_diesel.pdf

- NOAA. 2007. 2007 Annual Summaries: Flood/Flash Flood, Lightning, Tornado, Hurricane. Published by National Climatic Data Center, Asheville, NC. 40 pp.
- NOAA. 2011. Tsunami Warning #1 issued June 23, 2011, NOAA, West Coast and Alaska Tsunami Warning Center. Tsunami Warning at 7:15 PM AKDT.
- NOAA. 2013a. Regional climate trends and scenarios for the US National Climate Assessment. Part 7. Climate of Alaska. NOAA Technical Report NESDIS 142-7. US Department of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Services. Washington DC.
- NOAA. 2013b. Office of Coast Survey. US Coast Pilot 9, 31st Edition. Volume 9, Pacific and Arctic Coasts Alaska: Cape Spencer to Beaufort Sea, Chapter 8, Bering Sea. September 22, 2013. 9:415-416.
- NOAA. 2013c. Booklet Chart Kuskokwim River – Kuskokwim Bay to Bethel, NOAA Chart 16304.
- NOAA. 2013d. Introduction to Greenhouse Gases. Accessed November 17, 2013. <http://www.ncdc.noaa.gov/cmb-faq/greenhouse-gases.php>
- NOAA. 2014a. Small Diesel Spills (500 – 5,000 gallons). US Department of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service. Office of Response and Restoration. <http://response.restoration.noaa.gov/oil-and-chemical-spills/oil-spills/resources/small-diesel-spills.html>
- NOAA. 2014b. How Oil Harms Animals and Plants in Marine Environments. Accessed July 14, 2014. <http://response.restoration.noaa.gov/oil-and-chemical-spills/oil-spills/how-oil-harms-animals-and-plants-marine-environments.html>
- NOAA. 2014c. A Final Farewell to Oil Tankers with Single Hulls. Accessed August 13, 2015. <http://response.restoration.noaa.gov/about/media/final-farewell-oil-tankers-single-hulls.html>
- NOAA. 2015a. DRAFT Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing: Underwater Acoustic Threshold Levels for Onset of Permanent and Temporary Threshold Shifts. Revised version for second public comment period. US Department of Commerce, National Oceanic and Atmospheric Administration. Available at: <http://www.nmfs.noaa.gov/pr/acoustics/draft%20acoustic%20guidance%20July%2015.pdf>
- NOAA. 2015b. US Climate Resilience Toolkit. <http://toolkit.climate.gov>, last modified March-April 2015.
- NOAA. 2016. Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing. NOAA Technical Memorandum NMFS-OPR-55, July 2016, Silver Spring, MD. 189 pp.
- NOAA. 2017. Office of Coast Survey. US Coast Pilot 9, 34th Edition. Volume 9, Pacific and Arctic Coasts Alaska: Cape Spencer to Beaufort Sea, Chapter 8, Bering Sea. April 2, 2017.

- Noel, L. 2015a. Technical Memorandum: Comments on Donlin Gold Mine PDEIS Concerning Visible Wetland Impacts from the ENSTAR Beluga Pipeline. Lynn Noel, Cardno, to Dave Every, AECOM. August 31, 2015.
- Nokleberg, WJ, G Plafker, and FH Wilson. 1994. Geology of South-central Alaska. *In* G Plafker and HC Berg, editors. The Geology of Alaska: Boulder, Colorado, Geological Society of America, The Geology of North America, v. G-1.
- Norman, SA. 2011. Nonlethal Anthropogenic and Environmental Stressors in Cook Inlet Beluga Whales (*Delphinapterus leucas*). Prepared for National Oceanic and Atmospheric Administration, National Marine Fisheries Service. Anchorage, Alaska. 113 pp.
- Norris, F. 2002. Alaska Subsistence: A National Park Service Management History. Alaska Support Office, National Park Service, US Department of Interior. Anchorage, Alaska. September 2002.
- North Slave Metis Alliance. 2001. Can't Live Without Work. North Slave Metis Alliance Environmental, Social, Economic and Cultural concerns: A Companion to the Comprehensive Study Report on the Diavik Diamonds Project. 316 pp.
- Northern Economics, Inc. 2009. Port and Harbor Ten-year Development Plan. Prepared for the City of Unalaska.
- Northern Economics, Inc. 2012. Economic impact analysis of construction of the Alaska Aerospace Corporation launch facilities in Kodiak. Anchorage, AK, Prepared for Alaska Aerospace Corporation.
- Nowacki, G and T Brock. 1995. Ecoregions and Subregions of Alaska, EcoMap Version 2.0 (map). USDA Forest Service, Alaska Region, Juneau, AK, scale 1:5,000,000.
- Nowacki, G, P Spencer, M Fleming, T Brock, and T Jorgenson. 2001. Ecoregions of Alaska: 2001. US Geological Survey. Open-File Report 02-297 (map). Accessed November 12, 2013. <http://agdc.usgs.gov/data/usgs/erosafo/ecoreg/>
- NPC (Noise Pollution Clearing House). 2013. Typical Noise Levels. Accessed September 9, 2013. <http://www.nonoise.org/library/household/index.htm>
- NPS (National Park Service). 2009. Denali National Park Acoustic Monitoring Report – 2008. Jared Withers, NPS
- NPS. 2012. The National Trails System Act (P.L. 90-543, as amended through P.L 111-11, March 30, 2009). United States Code. 15:1241-1251. Accessed March 2015. <http://www.nps.gov/nrcr/programs/nts/legislation.html>
- NRC (National Research Council). 2000. Toxicological Effects of Mercury. Chapter 8, Risk Characterization and Public Health Implications. Available online: <https://www.ncbi.nlm.nih.gov/books/NBK225764/#ddd0000166>
- NRC. 2004. Salmon Life History and Background. Pages 23–37 *in* In Developing a Research and Restoration Plan for Arctic-Yukon-Kuskokwim (Western Alaska) Salmon. NRC Committee on Review of Arctic-Yukon-Kuskokwim (Western Alaska) Research and Restoration Plan for Salmon. National Academies Press; Washington, DC.
- NRCS (Natural Resources Conservation Service). 1998. Soil Survey of Yentna Area, Alaska.

- NRCS. 2008. Soil Survey of Western Rivers Interior Area, Alaska. Prepared by US Department of Agriculture Natural Resources Conservation Service.
- NTSB (National Transportation Safety Board). 2011. Pacific Gas and Electric Company Natural Gas Transmission Pipeline Rupture and Fire, San Bruno, California. September 9, 2010. Pipeline Accident Report NTSB/PAR-11/01. Washington, DC. <http://www.nts.gov/doclib/reports/2011/PAR1101.pdf>
- Nuka Research and Planning Group, LLC. 2006. Vessel Traffic in the Aleutians Subarea. Updated report to Alaska Department of Environmental Conservation. Seldovia, Alaska.
- Nuttall, KL. 2006. Review: Interpreting Hair Mercury Levels in Individual Patients. *Ann Clin Lab Sci.*, Vol. 36, No 3. Ppg 248-261. Available online: <http://www.annclinlabsci.org/content/36/3/248.full>
- Nuvista Light & Electric Cooperative. 2013. Home. Accessed November 18, 2013. <http://www.nuvistacoop.org/>
- NWS (National Weather Service). 2014. Breakup (first boat) and ice up (unsafe boat) databases for Bethel, Aniak, Crooked Creek, and McGrath. National Weather Service Fairbanks Forecast Office UAF-IARC Bldg. Accessed: April 2014. <http://pafg.arh.noaa.gov/>
- O'Donnell, JA. 2010. The Effects of Permafrost Degradation on Soil Carbon Dynamics in Alaska's Boreal Region. Ph.D. Thesis, University of Alaska Fairbanks. 214 pp. December 2010.
- O'Kane Consultants, Inc. 2009. One- and Two-Dimensional Unsaturated Model Results for the Donlin Creek Bare and Covered Waste Rock Systems, Memorandum, January 30.
- Oasis Environmental, Inc. and Kinnetic Laboratories, Inc. 2006. Dutch Harbor Water Quality and Impairment Analysis, Final Report, Dutch Harbor, Iliuliuk Bay, and Iliuliuk Harbor, Unalaska, Alaska. Prepared for Alaska Department of Environmental Conservation (ADEC). June 27.
- OCS (Office of Children Services). 2011. Annual Progress and Services Report. State of Alaska. ADHSS. June 30. Available online: <http://dhss.alaska.gov/ocs/Pages/publications/default.aspx>
- Office of the Federal Coordinator for Alaska Natural Gas Transportation Projects. 2013. Buried Alaska Gas Line Could Face Powerful Bending Forces. <http://www.arcticgas.gov/buried-alaska-gas-line-could-face-powerful-bending-forces>
- Olson, ER and JM Doherty. 2012. The legacy of pipeline installation on the soil and vegetation of southeast Wisconsin wetlands. *Ecological Engineering* 39(2012):53-62.
- Olson, S, as revised by K Whitten and WE Heimer. 2008. Dall sheep. Alaska Department of Fish and Game Wildlife Notebook Series. Accessed September 30, 2013. <http://www.adfg.alaska.gov/index.cfm?adfg=animals.listmammals>
- Oppel, S, AN Powell, and DL Dickson. 2008. Timing and distance of king eider migration and winter movements. *Condor* 110:296-305.
- Orihel, DM, MJ Paterson, PJ Blanchfield, RA Bodaly, CC Gilmour, and H Hintelmann. 2008. Temporal change in the distribution, methylation, and bioaccumulation of newly deposited mercury in an aquatic ecosystem. *Environmental Pollution* 154:77-88.

- OSM (Office of Subsistence Management). 2014. Special Action 3-KS-01-14. Special Action 3-KS-02-14. Special Action 3-KS-03-14. Special Action 3-KS-04-14. Special Action 3-KS-05-14, Special Action 3-KS-06-14. Special Action 3-KS-07-14. US Fish and Wildlife Service, US Department of the Interior. Accessed February 16, 2014.
<http://www.doi.gov/subsistence/osm/index.cfm>
- OSM. 2017. Materials for Consideration of Fisheries Special Action (FSA)17-03. Consulted October 16, 2017 at: https://www.doi.gov/sites/doi.gov/files/uploads/fsa17-03_complete_0.pdf
- Oswalt, WH. 1980a. Historic settlement patterns along the Kuskokwim River, Alaska. Alaska Division of State Libraries and Museums, Juneau. Alaska State Library Historical Monograph Number 7.
- Oswalt, WH. 1980b. Kolmakovskiy Redoubt. Institute of Archaeology, Monumenta Archaeologica 8. University of California, Los Angeles.
- Oswalt, WH. 1990. Bashful no longer: an Alaskan Eskimo ethnohistory, 1778-1988. University of Oklahoma Press. Norman, OK.
- OtterTail (OtterTail Environmental, Inc.). 2007. Aquatic Biomonitoring Technical Report for the Donlin Creek Mine Project 2004-2006. Prepared for Barrick Gold US/Donlin Creek Joint Venture. Wheat Ridge, Colorado.
- OtterTail. 2010. Evaluation of the Effects of the Potential Increases in Barge Traffic on Juvenile Salmon Stranding in the Kuskokwim River, Alaska. January 2010.
- OtterTail. 2011. 2009 Instream Habitat Analysis of Crooked Creek for the Donlin Creek Project.
- OtterTail. 2012a. Donlin Gold Natural Gas Pipeline Project, 2010-2012 Aquatics Surveys, Draft. Prepared for Donlin Gold. December 31, 106 pp.
- OtterTail. 2012b. 2012 Aquatic Biomonitoring Report: Donlin Gold Project, 2004 through 2012 data compilation.
- OtterTail. 2012c. Geo-database FISHERIES_130114_A, layer NG_FISHERIES_121212.
- OtterTail. 2012d. Assessment of Substrate Freezing in Winter Fish Habitat in Crooked Creek, Alaska, Fall 2010-Spring 2011 Draft. Prepared for Donlin Gold, LLC. December 31.
- OtterTail. 2012e. 2009 Instream Habitat Analysis of Crooked Creek for the Donlin Gold Project. Prepared for Donlin Gold, LLC. December 31.
- OtterTail. 2013. Pipeline stream crossing database:
GAS_LINE_STREAM_CROSSING_130422.xlsx
- OtterTail. 2014a. Instream Habitat Analysis of Crooked Creek, 2014 Update.
- OtterTail. 2014b. Donlin Gold Natural Gas Pipeline Project 2010-2014 Aquatics Surveys. Prepared for Donlin Gold, LLC. Prepared for Donlin Gold, LLC. December 2014. 97 pp.
- Ottertail. 2014c. 2014 Aquatic Biomonitoring Report: Donlin Gold Project (2004 through 2014 Data Compilation). Prepared for Donlin Gold, LLC. 195 pp.
- Ottertail. 2014d. Donlin Gold Natural Gas Pipeline Project (2010 – 2014 Aquatics Surveys). Prepared for Donlin Gold, LLC. 97 pp.

- OtterTail. 2015. Addendum: Instream Habitat Analysis of Crooked Creek (Advanced Water Treatment) Donlin Gold Project, Prepared By: OtterTail Environmental Inc. September 2015.
- Owl Ridge (Owl Ridge Natural Resource Consultants). 2013a. Farewell Mineral Lick Survey, 2013. Final report prepared for Donlin Gold. August 2013.
- Owl Ridge. 2013b. Donlin Gold Waterfowl Surveys 2013 – Crooked Creek, Getmuna Creek, Jungjuk Creek, and Kuskokwim River.
- Owl Ridge. 2014a. Final Report: Rainbow Smelt Spawning Survey, Kuskokwim River, Alaska 2014.
- Owl Ridge. 2014b. Summary of fish catches from July and August/September sampling in the Kuskokwim River, Alaska 2014.
- Owl Ridge. 2014c. Waterfowl Seasonal Use Patterns in the Vicinity of the Donlin Gold Project, Alaska. Letter report prepared by G. Green (Principal Ecologist, Owl Ridge) for Donlin Gold. April 15.
- Owl Ridge. 2014f. Final Report: Kuskokwim River juvenile salmon investigation: 2014. December 2014. Anchorage, Alaska. 42 pp. + Appendices
- Owl Ridge. 2015a. Final Report: Rainbow smelt spawning survey, Kuskokwim River, Alaska 2014-2015. August 2015. Anchorage, Alaska. 43 pp + Appendices.
- Owl Ridge. 2015b. Final Report: Kuskokwim River juvenile salmon investigation: 2014-2015. August 2015. Anchorage, Alaska. 71 p.
- Owl Ridge. 2016. 2016 Rainbow Smelt Spawning Migration Observations Summary – Kuskokwim River, Alaska. Prepared for Donlin Gold, LLC, Anchorage, AK by Owl Ridge Natural Resource Consultants, Inc., Anchorage, AK. 12 pp.
- Owl Ridge. 2017a. US Fish & Wildlife Service Biological Assessment – Section 7. Revision v1.7. Prepared for Donlin Gold, LLC, Anchorage, AK by Owl Ridge Natural Resource Consultants, Inc., Anchorage, AK. 55 pp.
- Owl Ridge. 2017b. National Marine Fisheries Service Biological Assessment – Section 7. Revision v1.7. Prepared for Donlin Gold, LLC, Anchorage, AK by Owl Ridge Natural Resource Consultants, Inc., Anchorage, AK. 62 pp.
- Owl Ridge. 2017c. Essential Fish Habitat Assessment. Draft Version 2.4. June 2017. Prepared for Donlin Gold, LLC, Anchorage, AK by Owl Ridge Natural Resource Consultants, Inc., Anchorage, AK. 75 pp.
- Owl Ridge. 2017d. Memorandum: Potential effects to fish habitat from modeled changes in alluvium inflow and outflow (RFAI #100 Attachment). Prepared for Donlin Gold, LLC, February 13, 2017. 5 pp.
- Palmer, RS, editor. 1976. Handbook of North American birds. Vol. 3. Waterfowl. Eiders, wood ducks, diving ducks, mergansers, stiff-tails. Yale Univ. Press, New Haven, CT. 560 pp.
- Palmroth, MRT, J Pichtel, and JA Puhakka. 2002. Phytoremediation of subarctic soil contaminated with diesel fuel. *Bioresource Technology* 84(2002):221-228.

- Pankow, KL, JR Moore, JM Hale, KD Koper, T Kubacki, KM Whidden, and MK McCarter. 2014. Massive Landslide at Utah Copper Mine Generates Wealth of Geophysical Data. *GSA Today* 24(1):9.
- Parker, DI, BE Lawhead, and JA Cook. 1997. Distributional limits of bats in Alaska. *Arctic* 50(3):256-265.
- Parker, P and TF King. 1992. Guidelines for Evaluating and Documenting Traditional Cultural Properties. Prepared by Washington, DC. National Park Service, 1990, rev. 1992 and 1998.
- Parkhurst, DL and CAJ Appelo. 1999. User's Guide to PHREEQC (Version 2) – A Computer Program for Speciation, Batch-reaction, One-dimensional Transport, and Inverse Geochemical Calculations. US Geological Survey. Water-Resources Investigations Report 99-4259, 312 pp.
- Parkhurst, D.L., and C.A.J. Appelo. 2013. Description of input and examples for PHREEQC version 3--A computer program for speciation, batch-reaction, one-dimensional transport, and inverse geochemical calculations. U.S. Geological Survey Techniques and Methods, book 6, chap. A43, 497 p., <http://pubs.usgs.gov/tm/06/a43>.
- Parks, SE, M Johnson, D Nowacek, and PL Tyak. 2010. Individual Right Whales Call Louder in Increased Environmental Noise. *Biol Lett*. DOI: 10.1098/rsbl.2010.0451.
- Paterson & Cooke. 2014. Donlin Gold Tailings Filtration Test Work Report, *in* BGC (2014a) Dry Stack Tailings Alternative, Appendix A. Report No. DGT-31-0452 R01 Rev A, prepared for Donlin Gold. June.
- Patra, M and A Sharma. 2000. Mercury Toxicity in Plants. *The Botanical Review* 66(3):379-422.
- Patrick, L. 1981. Results of Exploratory Drilling at Point MacKenzie, Alaska, 1981. US Geological Survey Open-File Report 81-1072.
- Pearson, WH, JR Skalski, KL Sobocinski, MC Miller, GE Johnson, GD Williams, JA Southard, and RA Buchanan. 2006. A Study of Stranding of Juvenile Salmon by Ship Wakes Along the Lower Columbia River Using a Before-and-After Design: Before-Phase Results. Produced by Pacific Northwest National Laboratory, Richland, WA for the US Army Corps of Engineers, Portland District. Portland, Oregon.
- Peirce, JM. 2011. Units 19, 21A and 21E black bear management report. Pages 215-224 *in* P Harper, editor. Black bear management report of survey/inventory activities, 1 July 2007-30 June 2010. Alaska Department of Fish and Game. Project 17.0. Juneau, Alaska.
- Peirce, JM. 2012. Unit 19 bison management report. Pages 16-27 *in* P. Harper, editor. Bison management report of survey/inventory activities, 1 July 2009-30 June 2011. Alaska Department of Fish and Game. Species Management Report ADF&G/DWC/SMR-2012-1. Juneau, Alaska.
- Peirce, JM. 2013. Units 19, 21A, and 21E brown bear. Pages 200-214 *in* P Harper and LA McCarthy, editors. Brown bear management report of survey and inventory activities 1 July 2010-30 June 2012. Alaska Department of Fish and Game, Species Management Report ADF&G/DWC/SMR-2013-4, Juneau.

- Peltier, TC. 2009. Unit 16 wolf management report. Pages 113-120 in P Harper, editor. Wolf management report of survey/inventory activities, 1 July 2005-30 June 2008. Alaska Department of Fish and Game. Project 14.0. Juneau, Alaska.
- Peltier, TC. 2010a. Unit 16B moose management report. Pages 235-247 in P Harper, editor. Moose management report of survey/inventory activities, 1 July 2007-30 June 2009. Alaska Department of Fish and Game. Project 1.0. Juneau, Alaska.
- Peltier, TC. 2010b. Unit 16 furbearer management report. Pages 192-211 in P Harper, editor. Furbearer management report of survey/inventory activities, 1 July 2006-30 June 2009. Alaska Department of Fish and Game. Project 7.0. Juneau, Alaska.
- Peltier, TC. 2011. Unit 16 black bear management report. Pages 194-205 in P Harper, editor. Black bear management report of survey/inventory activities, 1 July 2007-30 June 2010. Alaska Department of Fish and Game. Project 17.0. Juneau, Alaska.
- Peltier, TC. 2012a. Unit 16B moose management report. Pages 232-244 in P Harper, editor. Moose management report of survey/inventory activities 1 July 2009-30 June 2011. Alaska Department of Fish and Game, Species Management Report ADF&G/DWC/SMR-2012-5, Juneau.
- Peltier, TC. 2012b. Unit 16 wolf management report. Pages 115-120 in P Harper, editor. Wolf management report of survey and inventory activities 1 July 2008-30 June 2011, Alaska Department of Fish and Game, Species Management Report ADF&G/DWC/SMR-2012-4, Juneau.
- Peltier, TC. 2013. Unit 16 brown bear management report. Pages 168-178 in P Harper and LA McCarthy, editors. Brown bear management report of survey and inventory activities 1 July 2010-30 June 2012. Alaska Department of Fish and Game, Species Management Report, ADF&G/DWC/SMR-2013-4, Juneau.
- Pennoyer, S, KR Middleton, and ME Morris Jr. 1965. Arctic-Yukon-Kuskokwim area salmon fishing history. AYK Region Stock Status Report No. 1 Division of Commercial Fisheries, ADFG, Anchorage.
- Perica, S, D Kane, S Dietz, K Maitaria, D Martin, S Pavlovic, I Roy, S Stuefer, A Tidwell, C Trypaluk, D Unruh, M Yetka, E Betts, G Bonnin, S Heim, L Hiner, E Lilly, J Narayanan, F Yan, and T Zhao. 2012. NOAA Atlas 14, Precipitation-Frequency Atlas of the United States, Alaska. National Oceanic and Atmospheric Administration and University of Alaska Fairbanks (UAF) Water and Environmental Research Center. 7(2).
- Perkins, M, L Ferguson, RB Lanctot, IJ Stenhouse, S Kendall, S Brown, HR Gates, JO Hall, K Regan, and DC Evers. 2016. Mercury exposure and risk in breeding and staging Alaskan shorebirds. *The Condor* 118(3):571-582. doi: <http://dx.doi.org/10.1650/CONDOR-16-36.1>
- Perrin, WF and RL Brownell Jr. 2009. Minke whales *Balaenoptera acutorostrata* and *B. bonaerensis*. In WF Perrin, B Würsig, and HGM Thewissen, editors. *Encyclopedia of Marine Mammals* 2nd ed. Academic Press, San Diego, CA. 1316 pp.
- Perry, P. 2010a. Unit 18 moose management report. Pages 271-285 in P Harper, editor. Moose management report of survey/inventory activities, 1 July 2007-30 June 2009. Alaska Department of Fish and Game. Project 1.0. Juneau, Alaska.

- Perry, P. 2010b. Unit 18 furbearer management report. Pages 233-242 in P Harper, editor. Furbearer management report of survey/inventory activities, 1 July 2006-30 June 2009. Alaska Department of Fish and Game. Project 7.0. Juneau, Alaska.
- Perry, P. 2012. Unit 18 moose management report. Pages 270-285 in P Harper, editor. Moose management report of survey and inventory activities 1 July 2009-30 June 2011. Alaska Department of Fish and Game, Species Management Report ADF&G/DWC/SMR-2012-5 Juneau.
- Perry, P. 2013. Unit 18 brown bear management report. Pages 192-199 in P Harper and LA McCarthy, editors. Brown bear management report of survey and inventory activities 1 July 2010-30 June 2012. Alaska Department of Fish and Game, Species Management Report, ADF&G/DWC/SMR-2013-4, Juneau.
- Person, DK. 2001. Alexander Archipelago wolves: ecology and population viability in a disturbed, insular landscape. Ph.D. Dissertation, University of Alaska, Fairbanks. Fairbanks, Alaska.
- Petavratzi, E, S Kingman, and I Lowndes. 2005. Particulates from Mining Operations: A Review of Sources, Effects and Regulations. *Minerals Engineering* 18(2005):1183-1199.
- Pete, M. 1991. Contemporary Patterns of Wild Resource use by residents of Russian Mission, Alaska. Alaska Department of Fish and Game, Division of Subsistence. Technical Paper Number 127.
- Petersen, MD, AD Frankel, SC Harmsen, CS Mueller, KM Haller, RL Wheeler, RL Wesson, Y Zeng, OS Boyd, DM Perkins, N Luco, EH Field, CJ Wills, and KS Rukstales. 2008. Documentation for the 2008 Update of the United States National Seismic Hazard Maps. US Geological Survey Open-File report 2008-1128.
- Petersen, MR, JB Grand, and CP Dau. 2000. Spectacled Eider (*Somateria fischeri*). In *The Birds of North America*, No. 547. A Poole and F Gill, editors. The Birds of North America, Inc., Philadelphia, PA.
- Petersen, MR. 1981. Population, feeding ecology and molt of Steller's eiders. *Condor* 83:256-262.
- Péwé, TL. 1975. Quaternary Geology of Alaska. U. S. Geological Survey. Professional Paper 835.
- Pharris, TC and RL Kolpa. November 2007. Overview of the Design, Construction, and Operation of the Interstate Liquid Petroleum Pipelines. Argonne National Laboratory. ANL/EVS/TM/08-1.
- Phillips, LM, AN Powell, and EA Restad. 2006. Large-scale movements and habitat characteristics of king eiders throughout the nonbreeding period. *Condor* 108:887-900.
- PHMSA (Pipeline and Hazardous Materials Safety Administration). 2007. Letter of Intent between PHMSA and the State of Alaska. Accessed February 2014. <http://www.phmsa.dot.gov/staticfiles/PHMSA/DownloadableFiles/Files/AlaskaLetterofIntent5-14-07.pdf>
- PHMSA. 2011a. Safety Inspections of LNG Plants. Accessed February 9, 2014. https://primis.phmsa.dot.gov/comm/LNG_SafetyInspection.htm?nocache=9592
- PHMSA. 2011b. Fact Sheet: Material/Weld Failures. Last updated December 1, 2011. <http://primis.phmsa.dot.gov/comm/FactSheets/FSMaterialWeldFailure.htm>

- PHMSA. 2013a. Significant Pipeline Incidents. 1993-2012. Updated September 30, 2013. <http://primis.phmsa.dot.gov/comm/reports/safety/sigpsi.html>
- PHMSA. 2013b. Cooperating Agency Update – Donlin Gold Army Corps of Engineers Review. October 2, 2013. Anchorage, AK. Presented by Steve Nanney, PHMSA.
- PHMSA. 2017a. Significant Pipeline Incidents by Cause. Significant Incident Cause Breakdown: 20 Year Average (1997-2016), System Type: Gas Transmission, State: All, Offshore: All. Accessed May 10, 2017. <https://www.phmsa.dot.gov/pipeline/library/data-stats/pipelineincidenttrends>
- PHMSA. 2017b. Significant Pipeline Incidents by Cause. Significant Incident Cause Breakdown: 5 Year Average (2012-2016), System Type: Gas Transmission, State: All, Offshore: All. Accessed May 10, 2017. <https://www.phmsa.dot.gov/pipeline/library/data-stats/pipelineincidenttrends>
- PIANC (Permanent International Association of Navigation Congress). 1987. Guidelines for the design and construction of flexible revetments incorporating geotextiles for inland waterways. Working Group 4 of the Permanent Technical Committee, Brussels.
- Pierotti, R and D Wildcat. 2000. Traditional ecological knowledge: the third alternative. *Ecological Applications* 10:1333-1340.
- Placer Dome Technical Services Limited. 2005. Donlin Creek Preliminary Assessment Report.
- Plafker, G and HC Berg. 1994. Overview of the geology and tectonic evolution of Alaska. *In* G Plafker and HC Berg, editors. *The Geology of Alaska: Boulder, Colorado, Geological Society of America, The Geology of North America*. G-1:989-1021.
- Plafker, G and R Khachadorian. 1966. Geologic Effects of the March 1964 Earthquake and Associated Seismic Sea Waves on Kodiak and Nearby Islands, Alaska, US Geological Survey. Professional Paper 543-D.
- Plafker, G, LM Gilpin, and JC Lahr. 1994. Neotectonic Map of Alaska. *In* G Plafker and HC Berg, editors. *The Geology of Alaska: Boulder, Colorado, Geological Society of America, The Geology of North America*. v. G-1., Plate 12, scale 1:2,500,000.
- Plafker, G, R Khachadorian, EB Eckel, and LR Mayo. 1969. Effects of the Earthquake of March 27, 1964 on Various Communities. US Geological Survey. Professional Paper 542-G.
- Platte RM and WI Butler Jr. 1993. Water bird abundance and distribution on Yukon Delta National Wildlife Refuge, Alaska. Unpubl. Rep. US Fish and Wildlife Service, Anchorage, AK. 11 pp.
- Platte, R, R Stehn, P Anderson, D Marks, and H Wilson. 2012. Aerial survey of waterbirds on Kenai National Wildlife Refuge and Susitna Basin Wetlands. Field Report – 31 May 2012. US Fish and Wildlife Service, Migratory Bird Management.
- Platte, RM. 2003. Waterbird Abundance and Distribution on the Tanana/Kuskokwim Lowlands, Alaska, 2001-2001. US Fish and Wildlife Service. Migratory Bird Management Project. January 2003.
- Plourde, A and DL Ryan. 1995. Government Policy and Access to Natural Gas Service in Canada. *Canadian Public Policy* 21(3):304-316.

- PLP (Pebble Limited Partnership). 2011. Pebble Project Environmental Baseline Document, 2004 through 2008. Chapter 16.12: Wood Frog-Mine Study Area. Pebble Limited Partnership, Anchorage. Available online and accessed September 2015.
<http://www.pebbleresearch.com/>
- PND Engineers, Inc. 2014. Knik Construction Bethel Yard Dock, Navigation Plan, River Channel Constrictions and Sections. Project No. 131093, 3 sheets. August 13, 2014
- POA (Port of Anchorage). 2013a. Port of Anchorage Quick Facts. January 11, 2013.
- POA. 2013b. Operations Facilities. Accessed September 25, 2013.
<http://portofalaska.com/operations/facilities.html>
- Polar Geoscience Ltd. 2010. Legend for Polygon Labels. 101207_Terrain Mapping Legend.pdf, December 2010.
- Polar Geoscience Ltd. 2011. TerrainMapping_110301 (Dalzell and remainder of Alignment). GIS shapefile and database, terrain/landform mapping along partial area of natural gas pipeline, by request of Donlin Gold LLC. Prepared for BGC Engineering, March 2011.
- Polaris (Polaris Applied Sciences, Inc.). 2014. Spill Response Considerations for the Donlin Gold Diesel Pipeline Alternative. Prepared for Donlin Gold, LLC. July 2014.
- Poole, GC and CH Berman. 2001. An ecological perspective on in-stream temperature: Natural heat dynamics and mechanisms of human-caused thermal degradation. *Environmental Management* 27(6):787-802.
- Porter, L. 1988. Late Pleistocene Fauna of Lost Chicken Creek, Alaska. December 2008. *Arctic* 41(4):303-313.
- Porter, M, R Reale, G Marcuz, and KW Savigny. 2006. Geohazard Risk Management for the Nor Andino Gas Pipeline. Proceedings of IPC2006, 6th International Pipeline Conference. September 25-29. Calgary, AB. 9 pp.
- Post, E, MC Forchhammer, MS Bret-Harte, TV Callaghan, TR Christensen, B Elberling, AD Fox, O Gilg, DS Hik, TT Høye, RA Ims, E Jeppesen, DR Klein, J Madsen, AD McGuire, S Rysgaard, DE Schindler, I Stirling, MP Tamstorf, NJC Tyler, R van der Wal, J Welker, PA Wookey, NM Schmidt, and P Aastrup. 2009. Ecological dynamics across the Arctic associated with recent climate change. *Science* 325:1355-1358.
- Post, RA. 1996. Functional profile of black spruce wetlands in Alaska. EPA 910/R-96-006. Prepared by Alaska Department of Fish and Game, Fairbanks, for US Environmental Protection Agency, Region 10, Seattle, Washington. 187 pp.
- Powers, JA, ML Coombs, and JT Freymueller. 2010. The 2006 Eruption of Augustine Volcano, Alaska. US Geological Survey. Professional Paper 1769.
- Price, W. 1997. Draft Guidelines and Recommended Methods for the Prediction of Metal Leaching and Acid Rock Drainage at Minesites in British Columbia. Reclamation Section, British Columbia Ministry of Energy and Mines. April 1997.
- Proue, M, J Reuther, and C Wooley. 2009. 2008 Cultural Resources Survey for the Donlin Creek Project, Alaska. Prepared for Donlin Creek LLC. Northern Land Use Research, Inc. and Chumis Cultural Resources Services.

- Prucha, RH, J Leppi, S McAfee, and S Loya. 2011. Integrated Hydrologic Effects of Climate Change in the Chuitna Watershed, Alaska. Report prepared under cooperative agreement with FWS. www.fws.gov/alaska/fisheries/fieldoffice/anchorage/
- Quakenbush, L, J Citta, and J Crawford. 2009. Biology of the spotted seal (*Phoca largha*) in Alaska, 1962-2008. Arctic Marine Mammal Program, Alaska Department of Fish and Game. Report to National Marine Fisheries Service. 66 pp.
- Quakenbush, LT. 1988. Spotted seal, *Phoca largha*. p. 107-124 in JW Lentfer, editor. Selected marine mammals of Alaska. Species accounts with research and management recommendations. Marine Mammal Commission. Washington, DC.
- Quinn, TP. 2005. The Behavior and Ecology of Pacific Salmon and Trout. American Fisheries Society. Bethesda, Maryland and University of Washington Press; Seattle, Washington.
- Rae, B. 2009. Building the Next Pipeline. Alaska Economic Trends 29(5):4-12.
- Ragsdale, R. 2013. Calista reports growth, record payout. Petroleum News 18(32):1.
- Rath, S and M Krol. 2013. Comparative Risk Assessment for Different LNG-Storage Tank Concepts. Chemical Engineering Transactions. Vol. 31, 2013. A publication of the Italian Association of Chemical Engineering.
- Rausch, RA, B Gasaway, and C Schwartz, as revised by J Crouse and S Crouse. 2008. Moose. Alaska Department of Fish and Game Wildlife Notebook Series. Accessed September 30, 2013. <http://www.adfg.alaska.gov/index.cfm?adfg=animals.listmammals>
- Ray L, C Brown, A Russell, T Krauthoefer, C Wassillie, and J Hooper. 2010. Local Knowledge and Harvest Monitoring of Non-salmon Fishes in the Lower Kuskokwim River Region, Alaska, 2005-2009. Alaska Department of Fish and Game, Division of Subsistence. Technical Paper No 356.
- Ray, SR, J Vohden, and W Morgan. 1992. Investigation of Trace Metals Related to Placer Mining on Fairbanks and Porcupine Creeks. Alaska Division of Geological and Geophysical Surveys. Public-data File 92-13.
- RECON (Rowland Engineering Consultants, LLC). 2007a. Summary of Route by Station Interval June 2007, Donlin Creek Project Access Road from Mine Site to Birch Tree Crossing Port Site. 12 p., August 16.
- RECON. 2007b. Technical Memorandum: Donlin Creek Project, Port Site Reconnaissance Geotechnical Investigation 2005-2006.
- RECON. 2007c. Donlin Creek Project Access Road from Mine Site to Birch Tree Crossing Port Site, Stream Crossing Data Collected During Route Field Surveys May/June 2007. 10 pp, August 7.
- RECON. 2007d. Summary of Material Sites June 2007, Donlin Creek Project Access Road from Mine Site to Birch Tree Crossing Port Site. 9 p., August 16.
- RECON. 2011a. Donlin Creek Project Jungjuk Road Geotechnical summary 2005-2010. Prepared for Donlin Creek LLC. Draft January 14, 2011.

- RECON. 2011b. Donlin Creek Project, Jungjuk Access Road (Final Alignment Nov. 2011), Stream & Drainage Crossing Data Collected During Route Field Surveys May 2005 - May 2011.
- RECON. 2011c. Donlin Creek Project, Jungjuk Road Material Sites. Prepared for Donlin Gold LLC. Draft January 13, 2011.
- RECON. 2013a. Donlin Gold Natural Gas Pipeline Geotechnical Investigation for the Jones and Pretty Creek Variants-Final. October 2013.
- RECON. 2013b. Technical Memorandum: Summary of results for supplementary geotechnical investigation June 2013: Airfield Site; Permanent Camp Site; Getmuna Flats Material Site MS10; Angyaruaq (Jungjuk) Port Site. Donlin Gold Project Mine Offsite Geotechnical Investigations 2013.
- RECON. 2014a. Donlin Gold Natural Gas Pipeline, Summary of Proposed Water Extraction Sites. Last Revised May 19, 2014.
- RECON. 2014b. Technical Memorandum: Jungjuk Port Preliminary Assessment of Potential for Ice Jams and Related Impacts. March 5, 2014.
- Reger, RD, DSP Stevens, and RL Smith. 2003c. Survey of Geology, Geologic Materials, and Geologic Hazards in Proposed Access Corridors in the Russian Mission Quadrangle, Alaska. Alaska Division of Geological and Geophysical Surveys, Miscellaneous Publication 105, 5 sheets, scale 1:250,000.
- Reger, RD, DSP Stevens, and RL Smith. 2003d. Survey of Geology, Geologic Materials, and Geologic Hazards in Proposed Access Corridors in the McGrath Quadrangle, Alaska. Alaska Division of Geological and Geophysical Surveys, Miscellaneous Publication 88, 5 sheets, scale 1:250,000.
- Reger, RD, GR Cruse, DSP Stevens, and RL Smith. 2003a. Survey of Geology, Geologic Materials, and Geologic Hazards in Proposed Access Corridors in the Iditarod Quadrangle, Alaska. Alaska Division of Geological and Geophysical Surveys. Miscellaneous Publication 76, 4 sheets, scale 1:250,000.
- Reger, RD, GR Cruse, DSP Stevens, and RL Smith. 2003b. Survey of Geology, Geologic Materials, and Geologic Hazards in Proposed Access Corridors in the Tyonek Quadrangle, Alaska. Alaska Division of Geological and Geophysical Surveys. Miscellaneous Publication 117, 5 sheets, scale 1:250,000.
- Reger, RD, KM Campbell, DSP Stevens, and RL Smith. 2003e. Survey of Geology, Geologic Materials, and Geologic Hazards in Proposed Access Corridors in the Sleetmute Quadrangle, Alaska, Alaska Division of Geological and Geophysical Surveys, Miscellaneous Publication 109, 4 sheets, scale 1:250,000.
- Reist, JD. 1997. Stock structure and life history types of broad whitefish in the lower Mackenzie River basin – a summary of research. Pages 85-96 in RF Tallman and JD Reist, editors. The proceedings of the broad whitefish workshop: the biology, traditional knowledge and scientific management of broad whitefish (*Coregonus nasus*) in the lower Mackenzie River. Department of Fisheries and Oceans, Canadian Technical Report of Fisheries and Aquatic Sciences, Number 2193, Winnipeg.

- Resource Development Council for Alaska, Inc. 2013. Alaska's Oil & Gas Industry. Accessed August 8, 2013. <http://www.akrdc.org/issues/oilgas/overview.html>.
- Reuther, JD, C Gelvin-Reymiller, B Potter, J Hays, M Proue, and CB Wooley. 2010. Site Location Model and Survey Strategy for Cultural Resources Along the Proposed Donlin Creek Project Pipeline Corridor: Beluga to Donlin Creek, Alaska. Northern Land Use Research, Inc., Fairbanks, Alaska.
- Reuther, JD, C Wooley, C Gelvin-Reymiller, J Hays, K Farmen, P Hal, and G Neufeldl. 2011. Results of the 2010 Cultural Resources Survey of the Proposed Donlin Creek Mine Natural Gas Pipeline Project. Report prepared for Alaska Office of History and Archaeology and Bureau of Land Management, Anchorage, for Donlin Creek LLC. Northern Land Use Research, Inc. and Chumis Cultural Resources Services.
- Reuther, JD, C Wooley, JS Rogers, C Gelvin-Reymiller, JM Hays, J Baxter-McIntosh, RC Bowman, PT Hall, and MH Hull. 2012. Results of the 2011 Phase I Cultural Resources Survey of the Proposed Donlin Gold Natural Gas Pipeline Study. Report prepared for Dolin Gold LLC. Northern Land Use Research, Inc. and Chumis Cultural Resources Services.
- Reuther, JD, J Rogers, C Gelvin-Reymiller, A Higgs, C Wooley, J Baxter-McIntosh, R Bowman, and P Hall. 2013. Results of the 2012 Phase I and Phase II Cultural Resources Survey of the Proposed Donlin Gold Natural Gas Pipeline Study. Report prepared for Alaska Office of History and Archaeology and Bureau of Land Management, Anchorage, for Donlin Gold, LLC. Northern Land Use Research, Inc. and Chumis Cultural Resources Services. January 2013.
- Reuther, JD, P Druckenmiller, JS Rogers, T Bundtzen, K May, and RC Bowman. 2014. Results of the 2013 Paleontological Resources Survey of the Proposed Donlin Gold Mine Facilities Area and Adjacent Sections of the Kuskokwim River, Alaska. Prepared by Northern Land Use Research Alaska, LLC and Department of Earth Sciences, University of Alaska Museum of the North, for Donlin Gold, LLC. April 2014. 82 pp.
- Reuther, JD, P Kritz, C Wooley, and PM Bowers. 2004. Cultural Resources Survey of Donlin Creek Mine, Alaska. Prepared for AES Lynx Enterprises and Placer Dome US Inc. Prepared by Chumis Cultural Resources Services and Northern Land Use Research, Inc.
- Rice, DW, AA Wolman, and HW Braham. 1984. The gray whale, *Eschrichtius robustus*. Mar Fish Rev 46(4):7-14.
- Rice, DW. 1974. Whales and whale research in the eastern North Pacific. p. 170-195 in WE Schevill, editor. The Whale Problem: A Status Report. Harvard University Press, Cambridge, MA.
- Richardson, WJ, CR Greene Jr, CI Malme, and DH Thomson. 1995. Marine Mammals and Noise. Academic Press; San Diego, CA.
- Rico, M, G Benito, AR Salgueiro, A Diez-Herrero, and HG Pereira. 2008. Reported Tailings Dam Failures, a Review of the European Incidents in the Worldwide Context. Journal of Hazardous Materials 152: 846-852.
- Rieser, M. 2014a. Personal communication. Donlin Gold. Follow-up to question on Impacts Analysis. September 3, 2014. Sally Ryan. Cardno, Inc.

- Rieser, M. 2014b. Personal communication. Donlin Gold. Regarding data request on vessels. October 3, 2014.
- Rieser, M. 2014c. Personal communication. Donlin Gold. Regarding open burning. October 7, 2014.
- Rieser, M. 2014d. Personal communication. Donlin Gold. September 12, 2014.
- Rieser, M. 2014e. Personal communication. Donlin Gold. Regarding fugitive and stationary emission sources. October 9, 2014.
- Rieser, M. 2015a. Personal communication. Donlin Gold. Email in response to request for additional information – Miscellaneous Air Quality Calculations. April 7, 2015.
- Rieser, M. 2015b. Personal communication. Senior Environmental Engineer. Donlin Gold. Response to RFAI #61. Fugitive Dust, RFAI_61_20150320_fugitive dust-RESPONSE.zip. April 16, 2015.
- Rieser, M. 2015c. Email “Re: SRS Geochem 50-95 Max WQ estimates- Updated April 15-2015.xlsx” April 21, 2015. File “TSF underdrain mercury mass loading.xlsx”. As cited in Hatch 2015, Donlin Gold Advanced Water Treatment Options Report.
- Rieser, M. 2017. Personal communication, Senior Environmental Engineer, Donlin Gold. Response to RFAI #95A - Water Quality Data, with attached files: Category 1 Table - 23June2017.xlsx, Category 2 Table - 23June2017.xlsx, Category 3 Table - 23June2017.xlsx, SW Analytical Results for WRMP Appendix A - 23June2017.xlsx, Groundwater Analytical Results for WRMP Appendix A - September 2016.xlsx, APPX A_Table_A1-3_181202017-F2.pdf. June 24-26, 2017, to Richard Darden, USACE and Elizabeth Bella, AECOM.
- Riverside. 2010. Chuitna Coal Project Groundwater Baseline Report – Draft 1982 through January 2010. Prepared by Riverside Global Science Solutions, Ft. Collins, CO for Pacrim Coal. April 2010.
- Robert, F, R Brommecker, BT Bourne, PJ Dobak, CJ McEwan, RR Rowe, and X Zhou. 2007. Models and Exploration Methods for Major Gold Deposit Types. *In* B Milkereit, editor. Ore Deposits and Exploration Technology, Proceedings of Exploration 07: Fifth Decennial International Conference on Mineral Exploration, 2007, p 691-711.
- Robertis, AD and NO Handegard. 2013. Fish avoidance of research vessels and the efficacy of noise-reduced vessels: a review. *International Council for the Exploration of the Sea (ICES) Journal of Marine Science* 70(1): 34-45.
- Robertson-Bryan, Inc. 2006. Suspended solids and turbidity requirements of freshwater aquatic life and example relationship between TSS (mg/l) and turbidity (NTUs) for a treated municipal effluent. Technical Memorandum. Elk Grove, CA. 21 pp.
- Robinson, D. 2009. The Unemployment Rate. *Alaska Economic Trends* 29(10):4-7.
- Robinson, D. 2012. Employment Forecast for 2012. *Alaska Economic Trends* 32(1):4-7.
- Robinson D. 2017. When Recessions Linger. *Alaska Economic Trends*. Published by the Alaska Department of Labor & Workforce Development. April 2017. Pgs 1-8.

- Rodger, HA. 2008. Tracking Changes in Hydraulic Conductivity of Soil Reclamation Covers with the Use of Air Permeability Measurements. M.S. Thesis, Dept. of Civil Engineering, U. of Saskatchewan, Saskatoon, Canada.
- Rodriguez-Marek, A, P Repetto, J Wartman, D Baures, E Rondinel, J Williams, and J Zegarra-Pellanne. 2001. Geotechnical Earthquake Engineering Reconnaissance of the June 23, 2001, Southern Peru Earthquake – A Preliminary Report. Pacific Earthquake Engineering Research Center (PEER). http://peer.berkeley.edu/publications/peru_earthquake/
- Roeske, S, J Benowitz, and PB O’Sullivan. 2012. Late Eocene Syntectonic Magmatism along the Dextral Denali Fault Provides Constraints on Timing of Strike-slip Displacement - abstract. Annual meeting of American Geophysical Union. December 2012. San Francisco, CA.
- Rogers, JS, JD Reuther, A Higgs, C Wooley, R Bowman, J Baxter-McIntosh, and KP Olmedo. 2013. Results of the 2013 Phase I and Phase II Cultural Resources Survey of the Jones and Pretty Creek Realignment Routes of the Proposed Donlin Gold Natural Gas Pipeline Study. Prepared for Alaska Office of History and Archaeology and Bureau of Land Management, Anchorage, for Donlin Gold, LLC. Northern Land Use Research, Inc. and Chumis Cultural Resources Services. December 2013.
- Rolland, RM, SE Parks, KE Hunt, M Castellote, PJ Corkeron, DP Nowacek, SK Wasser, and SD Kraus. 2012. Evidence that ship noise increases stress in right whales. *Proc R Soc B*, published online, doi:10.1098/rspb.2011.2429.
- Rosgen, D and HL Silvey. 1996. Applied River Morphology. Pagosa Springs, CO: Wildland Hydrology.
- Rugh, DJ, MM Muto, SE Moore, and DP DeMaster. 1999. Status review of the Eastern North Pacific stock of gray whales. US Department of Commerce, NOAA Technical Memorandum NMFS-AFSC-103.
- Rugh, DJ, RC Hobbs, JA Lerczak, and JM Breiwick. 2005. Estimates of abundance of the eastern North Pacific stock of gray whales 1997-2002. *J Cetacean Res Manage* 7:1-12.
- Runfola, DM, AR Brenner, and DS Koster. 2014. Subsistence Harvests of Land Mammals in Bethel, Alaska, 2011. Alaska Department of Fish and Game Division of Subsistence, Special Publication No. -001. Available at: http://www.adfg.alaska.gov/specialpubs/SP2_SP2014-001.pdf
- Runfola, DM, H Ikuta, AR Brenner, JJ Simon, J Park, DS Koster, and M Kostick. 2017. Bethel Subsistence, 2012: wild resource harvests and uses, land use patterns, and subsistence economy in the hub community of the Yukon-Kuskokwim Delta, Alaska. Alaska Department of Fish and Game Division of Subsistence, Technical Paper No. 393, Fairbanks.
- Rupp, TS and A Springsteen. 2009. Summary Report for Eastern Interior Alaska: Projected Vegetation and Fire Regime Response to Future Climate Change in Alaska. ALFRESCO model, University of Alaska Fairbanks.

- Ruppert, NA, KD Ridgway, JT Freymueller, RS Cross, and RA Hansen. 2008. Active Tectonics of Interior Alaska: Seismicity, GPS Geodesy, and Local Geomorphology. P 709-133 in JT Freymueller, PJ Haeussler, RL Wesson, and G Ekström, editors. Active Tectonics and Seismic Potential of Alaska. American Geophysical Union, Geophysical Monograph, Vol 179.
- Ruthrauff, DR, TL Tibbitt, RE Gill Jr, and CM Handel. 2007. Inventory of Montane-nesting Birds in Katmai and Lake Clark National Parks and Preserves. US Geological Survey, Alaska Science Center. June 2007. Report Number NPS/AKRSWAN/NRTR-2007/02.
- RWJ (RWJ Consulting, Inc.). 2008a. Donlin Creek Project: 2007 Sediment Sampling on the Kuskokwim River.
- RWJ. 2008b. 2007 Wildlife Observations on the Kuskokwim River. SC Jewett, ST Harper, and LA Gardner, editors. Prepared for Donlin Creek LLC. Chugiak, Alaska. 427 pp.
- RWJ. 2008c. 2007 Wildlife Observations on the Kuskokwim River—Final Report. Prepared for Barrick Gold Corporation, Anchorage, Alaska. Document Number BAR001-504. 427 pp.
- RWJ. 2009. 2008 Wildlife Observations on the Kuskokwim River. SC Jewett, ST Harper, and LA Gardner, editors. Prepared for Donlin Creek LLC. Chugiak, Alaska. 430 pp.
- RWJ. 2010a. 2010 Sediment Sampling on the Kuskokwim River.
- RWJ. 2010b. 2009 Wildlife Observations on the Kuskokwim River – Final Report. Prepared for Donlin Creek LLC, Anchorage, Alaska. Document Number DON002-503. 428 pp.
- SACI, LLC. 2015. Technical Memorandum: Control of Unpaved Road Dust Using Chemical Suppressants. From G Muleski (SACI) to N Enos (Donlin Gold), May 14, 2015, 3 pp.
- Salo, EO. 1991. Life history of chum salmon. Pages 231-310 in C Groot and L Margolis, editors. Pacific salmon: life histories. Vancouver, BC; University of British Columbia Press.
- Sandberg, E. 2016. Settlement of the Mat-Su: How Alaska’s fastest-growing borough came to be. Alaska Economic Trends. March 2016.
- Sarkar, A and S Jana. 1986. Heavy metal pollutant tolerance of *Azolla pinnata*. Water Air Soil Pollut 27(1):15-18.
- Sauer, JR, JE Hines, and J Fallon. 2005. The North American Breeding Bird Survey, Results and Analysis 1966-2005. Version 6.2.2006. USGS Patuxent Wildlife Research Center, Laurel, MD.
- Schaberg, KL. 2014. Baseline Water Quality Data Collection for Surface Water and Groundwater at Georgetown, Alaska; 2008-2013. Prepared by the Georgetown Tribal Council with funding from the US Environmental Protection Agency. 93 pp.
- Schaefer, JK, SS Rocks, W Zheng, L Liang, B Gu, and FMM Morel. 2011. Active transport, substrate specificity, and methylation of Hg(II) in anaerobic bacteria. Proceedings of the National Academy of Sciences 108(21):8714-8719.
- Schaefer, JR, CE Cameron, and C Nye. 2011. Historically Active Volcanoes of Alaska. Alaska Division of Geological and Geophysical Surveys. Miscellaneous Publication 133, Version 1.1.

- Schaefer, JR (editor). 2012. The 2009 Eruption of Redoubt Volcano, Alaska. Alaska Department of Natural Resources, Division of Geological and Geophysical Surveys. Report of Investigations 2011-5, 45 pp.
- Schindler, D, C Krueger, P Bisson, M Bradford, B Clark, J Conitz, K Howard, M Jones, J Murphy, K Myers, M Scheuerell, E Volk, and J Winton. 2013. Arctic-Yukon-Kuskokwim Chinook Salmon Research Action Plan: Evidence of Decline of Chinook Salmon Populations and Recommendations for Future Research. Prepared for the Arctic-Yukon-Kuskokwim Sustainable Salmon Initiative. Anchorage, AK. V + 70 pp.
- Schlegel, H, DL Godbold, and A Huttermann. 1987. Whole plant aspects of heavy metal induced changes in CO uptake and water relations of spruce (*Picea abies*) seedlings. *Physiol Plant* 69:265-270.
- Schroeder, P.R., T.S. Dozier, P.A. Zappi, B.M. McEnroe, J.W. Sjostrom, and R.L. Peyton. 1994a. The Hydrologic Evaluation of Landfill Performance (HELP) Model: Engineering Documentation for Version 3. EPA/600/R-94/168b. Interagency Agreement No. DW21931425. September 1994.
- Schroeder, P.R., C.M. Lloyd, P.A. Zappi, and N.M. Aziz. 1994b. The Hydrologic Evaluation of Landfill Performance (HELP) Model: User's Guide for Version 3. EPA/600/R-94/168a. Interagency Agreement No. DW21931425. September 1994.
- Schultz, C. 2013. Employment Forecast for 2013. *Alaska Economic Trends* 33(1):4-7.
- Schultz, WH, EL Harp, and RW Jibson. 2008. Characteristics of large rock avalanches triggered by the November 3, 2002 Denali Fault earthquake, Alaska, USA. *In* Proceedings of the 10th International Symposium on Landslides, Xian, China, June 2008.
- Schulze-Makuch, D, DA Carlson, DS Cherkauer, and P Malik. 1999. Scale dependency of hydraulic conductivity in heterogeneous media. *Ground Water* 37(6):904-919.
- Schuur, E. 2014. Identifying indicators of state change and forecasting future vulnerability in the Alaska Boreal Forest. Report RC2109. University of Florida and UAF. 85 pp.
- Schwela, D. 2000. Air Pollution and Health in Urban Areas. *Environ Health Perspect.* 15 (1-2):13-42.
- 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.
- Scott, KM. 1978. Effects of Permafrost on Stream Channel Behavior in Arctic Alaska. Geological Survey Professional Paper 1068. 19 pp.
- Scott, WB and EJ Crossman. 1973. Freshwater Fishes of Canada. Fisheries Research Board of Canada. Bulletin 184. Ottawa.
- Scudder, BC, LC Chasar, DA Wentz, NJ Bauch, ME Brigham, PW Moran, and DP Krabbenhoft. 2009. Mercury in fish, bed sediment, and water from streams across the United States, 1998-2005. US Geological Survey. 74 pp.
- Sea Duck Joint Venture. 2003. Sea Duck Information Series: Long-tailed Duck (*Clangula hyemalis*). Available online at:
http://www.seaduckjv.org/meetseaduck/species_status_summary.pdf

- Seabloom, EW, AG van der Valk, and KA Moloney. 1998. The Role of Water Depth and Soil Temperature in Determining Initial Composition of Prairie Wetland Coenoclines. *Plant Ecology* 138(2):203-216.
- Seavoy, RJ. 2010. Units 19A, 19B, 19C, and 19D moose management report. Pages 286-319 in P Harper, editor. Moose management report of survey/inventory activities, 1 July 2007-30 June 2009. Alaska Department of Fish and Game. Project 1.0. Juneau, Alaska.
- Seavoy, RJ. 2011a. Portions of Units 9B, 16B, 17B, 19B, and 19C Dall sheep management report. Pages 6-12 in P Harper, editor. Dall sheep management report of survey/inventory activities, 1 July 2007-30 June 2010. Alaska Department of Fish and Game. Project 6.0. Juneau, Alaska.
- Seavoy, RJ. 2012a. Units 19A, 19B, 19C, and 19D moose. Pages 286-318 in P Harper, editor. Moose management report of survey and inventory activities 1 July 2009-30 June 2011. Alaska Department of Fish and Game, Species Management Report ADF&G/DWC/SMR-2012-5, Juneau.
- Seavoy, RJ. 2012b. Unit 19 wolf. Pages 138-158 in P Harper, editor. Wolf management report of survey and inventory activities 1 July 2008-30 June 2011. Alaska Department of Fish and Game. Species Management Report ADF&G/DWC/SMR-2012-4, Juneau.
- Seavoy, RJ. 2013a. Units 19A, 19B, 19C, 19D, 21A, and 21E caribou. Pages 132-142 in P Harper, editor. Caribou management report of survey and inventory activities 1 July 2010-30 June 2012. Alaska Department of Fish and Game, Species Management Report ADF&G/SMR-2013-3, Juneau.
- Seavoy, RJ. 2013b. Units 19, 21A, and 21E furbearer. Pages 253-267 in P Harper and LA McCarthy, editors. Furbearer management report of survey and inventory activities 1 July 2009-30 June 2012. Alaska Department of Fish and Game, Species Management Report ADF&G/DWC/SMR-2013-5, Juneau.
- Seavoy, RJ. 2014. Unit 19 bison. Pages 17-29 in P Harper and LA McCarthy, editors. Bison management report of survey and inventory activities 1 July 2011-30 June 2013, Alaska Department of Fish and Game, Species Management Report ADF&G/DWC/SMR-2014-2, Juneau.
- Seed, HB. 1979. Considerations in the earthquake-resistant design of earth and rockfill dams. *Géotechnique* 29(3):215-263.
- Selvendiran, CTD, JT Bushey, MR Montesdeoca. 2008. Wetland Influence on mercury fate and transport in a temperate forested watershed. *Environmental Pollution* 154:46-55.
- Seppi, BE. 2007. BLM Peregrine Falcons *Falco Peregrinus* in the Central Kuskokwim River Area, Alaska. BLM Alaska Open File Report 117 BLM/AK/ST-07/019+6700+040 May 2007.
- Servizi, JA. 1988. Sublethal Effects of Dredged Sediments on Juvenile Salmon. CA Simenstad, editor. Effects of Dredging on Anadromous Pacific Coast Fishes. Seattle, Washington; University of Washington.
- SGS-CEMI (Canadian Environmental & Metallurgical, Inc.). 2008. Donlin Creek Project Closure Pilot Plant Study of High Density Sludge Process. October 2008.

- Shahsavari, E, EM Adetutu, PA Anderson, and AS Ball. 2013. Tolerance of Selected Plant Specific to Petrogenic Hydrocarbons and Effect of Plant Rhizosphere on Microbial Removal of Hydrocarbons in Contaminated Soil. *Water, Air, & Soil Pollution*. 224(4):1495. DOI 10.1007/s11270-013-1495-3.
- Shanks, A and D Rasmussen. 2010. The Kenai Peninsula. *Alaska Economic Trends* 30(4):11-15.
- Shanks, A. 2009. The Bethel Census Area. *Alaska Economic Trends* 29(11):11-16.
- Shannon & Wilson, Inc. 2012. Best Management Practices for Gravel/Rock Aggregate Extraction Projects. Alaska DEC User's Manual. September 2012. 81 pp.
- Shaw, L. 2015. Personal communication. Habitat Conservation Division, National Marine Fisheries Service. RE: Marine and Aquatic Invasive Concerns, Proposed Donlin Mine. July 8, 2015. Elizabeth Bella, AECOM.
- Shelden, CA, T Hamazaki, M Horne-Brine, G Roczicka, MJ Thalhauser, and H Carroll. 2014. Subsistence salmon harvests in the Kuskokwim area, 2011 and 2012. Alaska Department of Fish and Game, Fishery Data Series No. 14-20. Anchorage, AK.
- Shelden, CA, T Hamazaki, M Horne-Brine, I Dull, and R Frye. 2016. Subsistence salmon harvests in the Kuskokwim area, 2014. Alaska Department of Fish and Game, Fishery Data Series No. 16-49, Anchorage, AK.
- Shelden, K.E.W., S.E. Moore, J.M. Waite, P.R. Wade, and D.J. Rugh. 2005. Historic and current habitat use by North Pacific right whales *Eubalaena japonica* in the Bering Sea and Gulf of Alaska. *Mammal Rev.* 35(2): 129-155.
- Shelden, KEW, CL Sims, L Vate Brattström, KT Goetz, and RC Hobbs. 2015. Aerial surveys of beluga whales (*Delphinapterus leucas*) in Cook Inlet, Alaska, June 2014. AFSC Processed Rep. 2015-03, 55 pp. Alaska Fish. Sci. Cent., NOAA, Natl. Mar Fish Serv., 7600 Sand Point Way NE, Seattle, WA 98115. Available at: <http://www.afsc.noaa.gov/Publications/ProcRpt/PR2015-03.pdf>
- Shephard, M, T Huette, J Nielsen, and C Lindemuth. 2007. Selected invasive plants of Alaska. USDA Forest Service, Alaska region, R10-TP-130B. 64 pp. Accessed November 12, 2013. <http://aknhp.uaa.alaska.edu/botany/akepic/publications/>
- Shevade, S and RG Ford. 2004. Use of Synthetic Zeolites for Arsenate Removal from Pollutant Water. *Water Research* (38):3197-3204.
- Shifrin, NS, BD Beck, TD Gauthier, SD Chapnick, and G Goodman. 1996. Chemistry, toxicology, and human health risk of cyanide compounds in soils at former manufactured gas plant sites. *Regul Toxicol Pharmacol* 23:106-116.
- Siciliano SD, NJ O'Driscoll, and DRS Lean. 2002. Microbial reduction and oxidation of mercury in freshwater lakes. *Envir Sci Technol* 36:3064 -3068.
- Silberling, NJ, DL Jones, JWH Monger, PJ Coney, HC Berg, and G Plafker. 1994. Lithotectonic Terrane Map of Alaska and Adjacent Parts of Canada. In G Plafker and HC Berg, editors. *The Geology of Alaska: Boulder, Colorado*. Geological Society of America, The Geology of North America, v. G-1., Plate 3, scale 1:2,500,000.

- Simenstad, CA, KL Fresh, and EO Salo. 1982. The role of Puget Sound and Washington coastal estuaries in the life history of Pacific salmon: an unappreciated function. Pages 343-364 *in* VS Kennedy, editor. Estuarine comparisons. New York; Academic Press.
- Simeone, WE and J Kari. 2002. Traditional knowledge and fishing practices of the Ahtna of the Copper River, Alaska. Alaska Department of Fish and Game Division of Subsistence. Technical Paper Number 270.
- Simeone, WE. 1995. Rifles, Blankets, and Beads: Identity, History, and the Northern Athapaskan Potlatch. Norman, Oklahoma; University of Oklahoma Press.
- Singh, A. and A.K. Singh. 2013. ProUCL Version 5.0.00 Technical Guide. Office of Research and Development, U.S. Environmental Protection Agency, Report No. EPA/600/R-07/041.
- Slaughter CW, CH Racine, DA Walker, LA Johnson, and G Abele. 1990. Use of Off-road Vehicles and Mitigation of Effects in Alaska Permafrost Environments: A Review. *Environmental Management* 14:63-72.
- SLR. 2012a. Terminal and Tank Farm Oil Discharge Prevention and Contingency Plan. Plan of Operations Volume VI A. Donlin Gold Project. August 2012.
- SLR. 2012b. Vessel Operations Oil Discharge Prevention and Contingency Plan. Plan of Operations Volume VI B. Donlin Gold Project. August 2012.
- Smedley, PL and DG Kinniburgh. 2002. A review of the source, behaviour and distribution of arsenic in natural waters. *Applied Geochemistry* 17(5):517-568.
- Smith, B. 2012. Kenai Borough tax rolls see oil, gas assets jump in value. *Alaska Journal of Commerce*. Accessed October 17, 2013. <http://www.alaskajournal.com/Alaska-Journal-of-Commerce/July-Issue-1-2012/Kenai-Borough-tax-rolls-see-oil-gas-assets-jump-in-value/>
- Smith, KS. 2007. Strategies to predict metal mobility in surficial mining environments. *Reviews in Engineering Geology* 17:25-45.
- Smith, RD, A Ammann, C Bartoldus, and MM Brinson. 1995. An approach for assessing wetland functions using hydrogeomorphic classification, reference wetlands, and functional indices. Technical Report WRP-DE-9. US Army Engineer Research and Development Center, Vicksburg, Mississippi. 90 pp.
- Smith, SL, VE Romanovsky, AG Lewkowicz, CR Burn, M Allard, GD Clow, K Yoshikawa, and J Throop. 2010. Thermal state of permafrost in North America: a contribution to the international polar year. *Permafrost and Periglacial Processes* 21(2): 117-135. <http://onlinelibrary.wiley.com/doi/10.1002/ppp.690/pdf>
- SNAP (Scenarios Network for Alaska and Arctic Planning, University of Alaska Fairbanks). 2012. Climate Change Predictions for Crooked Creek, Bethel, Aniak, Sleetmute, and McGrath, Alaska. Accessed January 2014. <http://www.snap.uaf.edu/datamaps.php>
- SNAP. 2013. Scenarios Network for Alaska and Arctic Planning. <http://www.snap.uaf.edu/>
- Snow, J. 1981. Ingalik. Pages 618-622 *in* J Helm, editor. Subarctic. *Handbook of North American Indians*. Volume 6. WC Sturtevant, general editor. Smithsonian Institution Press, Washington DC.

- Sobek, AA, WA Schuller, JR Freeman, and RM Smith. 1978. Field and laboratory methods applicable to overburden and mine soils. EPA Report Number 600/2-78-054. 203 pp.
- Sorensen, RM and JR Weggel. 1984. Development of ship wave design information. Proceedings of the 19th Conference on Coastal Engineering. BL Edge, editor. Houston, Texas, September 3-7, 1984, American Society of Civil Engineers, New York, III, 3227-3243.
- Southall, BL, AE Bowles, WT Ellison, JJ Finneran, RL Gentry, CR Greene Jr, D Kastak, DR Ketten, JH Miller, PE Nachtigall, WJ Richardson, JE Thomas, and PL Tyack. 2007. Marine Mammal noise exposure Criteria: Initial Scientific Recommendations. Aquatic Mammals. Special Issue 33:411-521. http://www.sea-inc.net/resources/mmnoise_aquaticmammals.pdf
- Spartz, RA. 1985. Cultural Resources Report: Kuskokwim River Resources Management Mapping Project. Public Data File 85-12. Alaska Division of Geological and Geophysical Surveys, Alaska Department of Natural Resources. Anchorage, AK.
- Speckman SG, VI Chernook, DM Burn, MS Udevitz, AA Kochnev, CV Jay, A Lisovsky, AS Fischbach, and RB Benter. 2011. Results and evaluation of a survey to estimate Pacific walrus population size, 2006. Marine Mammal Science 27:514-553.
- SRK (SRK Consulting (US), Inc.) 2006a. Preliminary Assessment Donlin Creek Gold Project, Alaska, USA. September 2006. 243 pp.
- SRK. 2006b. Technical Memorandum: Donlin Creek Guidance for Block Modeling of ARD and Metal Leaching Potential – Update Draft, September.
- SRK. 2007. Waste Rock Metal Leaching and Acid Rock Drainage Assessment for Feasibility Study, Donlin Creek Project, Alaska. September 2007.
- SRK. 2011. Metal Leaching and Acid Rock Drainage Assessment for Feasibility Study, Donlin Gold Project, Alaska. Update Report, February.
- SRK. 2012a. Plan of Operations - Volume I Project Description, Donlin Gold Project, Alaska, USA. July 2012. 83 pp.
- SRK. 2012b. Plan of Operations - Volume II, Water Resources Management Plan, Donlin Gold Project. Prepared for Donlin Gold, LLC. July 2012.
- SRK. 2012c. Plan of Operations - Volume III: Integrated Waste Management Plan. Donlin Gold Project. Anchorage, Alaska.
- SRK. 2012d. Plan of Operations - Volume III A: Integrated Waste Management, Monitoring Plan, Donlin Gold Project. July 2012.
- SRK. 2012e. Plan of Operations - Volume III B: Waste Rock Management Plan, Donlin Gold Project, Alaska, USA. July 2012. 53 pp.
- SRK. 2012f. Plan of Operations - Reclamation and Closure Plan Donlin Gold Project. Prepared by SRK Consulting (US), Inc. for Donlin Gold. Anchorage, AK.
- SRK. 2012g. Pit Wall Source Terms - Donlin Creek Project. March 6, 2012
- SRK. 2012h. Technical Memorandum: Waste Rock Source Terms Memo. Stephen Day, SRK to Robert (Nick) Enos, Donlin Gold. April 3, 2012.

- SRK. 2012i. Natural Gas Pipeline Plan of Development, Donlin Gold Project. Prepared by SRK Consulting (US), Inc. for Donlin Gold. Anchorage, AK. July 2012.
- SRK. 2013a. Plan of Operations - Volume VI Transportation Plan, Donlin Gold Project, Alaska, USA. February 2013. 58 pp.
- SRK. 2013b. Revised Natural Gas Pipeline Plan of Development, Donlin Gold Project. December 2013.
- SRK. 2013c. Technical Memorandum: Overburden Acid-Base Accounting Data - DRAFT. Project Number 181202.010. Stephen Day, SRK to Robert (Nick) Enos, Donlin Gold. October 29, 2013. 4 pp.
- SRK. 2013d. Humidity Cells ALL RESULTS_20130828.xls. Excel File transferred via email from Robert Enos, Donlin Gold to Nancy Darigo and Taylor Brelsford, URS. September 3, 2013.
- SRK. 2014a. Mercury White Paper. Prepared for Donlin Gold LLC. Project Number 181202.010/003/30. July 2014. 25 pp.
- SRK. 2014b. Tailings Dam Information for the Environmental Impact Statement. Donlin Gold Project, Alaska, USA. 20 pp. July 31, 2014.
- SRK. 2015a. Tailings Storage Facility and Snow Gulch Reservoir – Early Stage FMEA Workshop. Prepared for Donlin Gold. March 2015.
- SRK. 2015b. Revised Process Pond Water Predictions – Draft. April 15, 2015.
- SRK. 2015c. Results of Field Kinetic Testing, Donlin Gold Project, Alaska. July, 2015.
- SRK. 2015d. DonlinKTcharts_1CB018000_SJD_20150902.pptx
- SRK. 2015e. pH_{SO4}Graphs_1CB018000_SJD_20150909.pptx
- SRK. 2015f. Donlin Creek Project, Waste Rock Water Chemistry Predictions, February 4, 2015. WasteRockSourceTermsSummary_20150204.xlsx. Source: Waste_Rock_Predictions_1CB018000_SJD_v5.xls
- SRK. 2015g. Plan of Operations, Reclamation and Closure Plan, Donlin Gold Project. Prepared for Donlin Gold. June 2015.
- SRK. 2016a. Plan of Operations - Project Description, Donlin Gold Project, Alaska, USA. Prepared for Donlin Gold. Volume I_Project_Description.pdf. December 2016.
- SRK. 2016b. Plan of Operations, Integrated Waste Management Plan, Donlin Gold Project. Volume III_IWMP.pdf. December 2016.
- SRK. 2016c. Plan of Operations, Integrated Waste Management Plan - Tailings Management Plan, Donlin Gold Project. Volume IIIA_Tailings Management Plan.pdf. December 2016.
- SRK. 2016d. Plan of Operations, Integrated Waste Management Plan - Waste Rock Management Plan, Donlin Gold Project. Volume IIIB_Waste_Rock_Management_Plan.pdf. December 2016.
- SRK. 2016e. Plan of Operations, Integrated Waste Management - Monitoring Plan, Donlin Gold Project. Volume VIIA_IWMP_Monitoring_Plan. December 2016.

- SRK. 2016f. Plan of Operations, Integrated Waste Management Plan - Tailings Management Plan, Donlin Gold Project, December 2016 Revision 1. Vol IIIA - TAILINGS MANAGEMENT PLAN – Donlin Gold Project – December 2016 – R1.pdf. Received October 30, 2017.
- SRK. 2016g. Plan of Operations, Integrated Waste Management Plan - Waste Rock Management Plan, Donlin Gold Project, December 2016 Revision 1. Vol IIIB - WASTE ROCK MANAGEMENT PLAN – Donlin Gold Project – December 2016R1.pdf. Received October 30, 2017.
- SRK. 2016h. Plan of Operations, Integrated Waste Management - Monitoring Plan, Donlin Gold Project, December 2016 Revision 1. Vol VIIA - IWMP MONITORING PLAN – Donlin Gold Project - December 2016R1.pdf. Received October 30, 2017.
- SRK. 2017b. Plan of Operations - Water Resources Management Plan, Donlin Gold Project. Prepared for Donlin Gold. Volume II_Water_Resources_Management_Plan.pdf. February 2017.
- SRK. 2017c. Plan of Operations, Reclamation and Closure Plan, Donlin Gold Project. Prepared for Donlin Gold. July 2017.
- SRK. 2017d. Memo, Response to Statement of Concern (WAQ 12), Donlin Gold, Preliminary Final Environmental Impact Statement – DRAFT. To Mike Rieser, Donlin Gold LLC, from Stephen Day, SRK, Project No. 1CB018.001, SourceTerms_DRAFT_1CB018000_SJD_20170912.pdf. September 12, 2017.
- SRK. 2017e. Plan of Operations - Water Resources Management Plan, Donlin Gold Project, February 2017 Revision 1. Prepared for Donlin Gold. Vol II – WATER RESOURCES MANAGEMENT PLAN – Donlin Gold Project – February 2017R1.pdf. Received October 30, 2017.
- SRK. 2018. Natural Gas Pipeline Invasive Species Prevention and Management Plan, Donlin Gold Project. March 2018.
- St Aubin, DJ. 1990. Physiologic and toxic effects on pinnipeds. *In* JR Geraci and DJ St Aubin, editors. Sea mammals and oil: confronting the risks. San Diego, CA; Academic Press.
- St Louis, VL, JWM Rudd, CA Kelly, KG Beaty, RJ Flett, and NT Roulet. 1996. Production and loss of methylmercury and loss of total mercury from boreal forest catchments containing different types of wetlands. *Environ Sci Technol* 30:2719-2729.
- St Louis, VL, JWM Rudd, CA Kelly, MG Beaty, NS Bloom, and RJ Felt. 1994. Importance of wetlands as sources of methyl mercury to boreal forest ecosystems. *Can J Fish Aquat Sci* 51:1065-1076.
- Stafford, KM, DK Mellinger, SE Moore, and CG Fox. 2007. Seasonal variability and detection range modeling of baleen whale calls in the Gulf of Alaska, 1999-2002. *J Acoust Soc Am* 122(6):3378-3390.
- Stanek, R, DL Holen, and C Wassillie. 2007. Harvest and Uses of Wild Resources in Tyonek and Beluga, Alaska, 2005-2006. Alaska Department of Fish and Game, Division of Subsistence. Technical Paper No. 321.

- Stanley, KW. 1968. Effects of the Alaska Earthquake of March 27, 1964 On Shore Processes and Beach Morphology. US Geological Survey. Professional Paper 543-J.
- Stantec (Stantec Consulting Corporation). 2010. Annual Area-wide Groundwater Monitoring and Operations and Maintenance Report – 2009, Rocky Point Management Area, Dutch Harbor, Unalaska, Alaska. Report submitted to ADEC, prepared for Chevron and Delta Western, May 28, 2010.
- Starkes, J. 2015. Hart Crowser, personal communication, September 8, 2015.
- STB (Surface Transportation Board). 2011. Final Environmental Impact Statement, Alaska Railroad Corporation Construction and Operation of a Rail Line Extension to Port MacKenzie, Alaska, Docket No. FD 35095. March 25, 2011.
- 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, 2000.
- Stephen R Braund & Associates and Huntington Consulting. 2011. Relationship between the Native Village of Tyonek, Alaska and beluga whales in Cook Inlet, Alaska. Submitted to NOAA Fisheries, Juneau, AK. June 2011.
- Stephenson, B, as revised by R Boertje. 2008. Wolf. Alaska Department of Fish and Game Wildlife Notebook Series. Accessed September 30, 2013. <http://www.adfg.alaska.gov/index.cfm?adfg=animals.listmammals>
- Sterrett, RJ. 2007. Groundwater & Wells. 3rd Edition. New Brighton, Minnesota: Johnson Screens, a Weatherford Company.
- Stevens, DSP, RD Reger, and RL Smith. 2003. Survey of Geology, Geologic Materials, and Geologic Hazards. In Proposed Access Corridors in the Bethel Quadrangle, Alaska. Alaska Division of Geological and Geophysical Surveys Miscellaneous Publication 53, 5 sheets, scale 1:250,000.
- Stickney, A. 1981. Subsistence resource utilization: Nikolai and Telida–interim report II. ADF&G Division of Subsistence, Technical Paper No. 21.
- Stickney, A. 1984. Coastal Ecology and Wild Resource Use in the Central Bering Sea Area: Hooper Bay and Kwigillingok. Alaska Department of Fish and Game, Division of Subsistence. Technical Paper Number 85.
- Stokes, J and E Andrews. 1982. Subsistence Hunting of Moose in the Upper Kuskokwim Controlled Use Area. Alaska Department of Fish and Game, Division of Subsistence. Technical Paper No. 22.
- Stokes, J. 1985. Natural resource utilization of four Upper Kuskokwim communities. Alaska Department of Fish and Game, Division of Subsistence. Technical Paper Number 86
- Stolen, ED. 2003. The Effects of Vehicle Passage on Foraging Behavior of Wading Birds. *BioOne* 26(4):429-436.
- Storey, K and LC Hamilton. 2003. Planning for the impacts of megaprojects. In R.O. Rasmussen and N.E. Koroleva. Social and Environmental Impacts in the North. Netherlands: Kluwer Academic Publishers.

- Stuby, L. 2012. Spawning locations, seasonal distribution, and migratory timing of Kuskokwim River sheefish using radiotelemetry, 2007–2011. Alaska Department of Fish and Game. Fishery Data Series No. 12-65. Anchorage, AK.
- Styles, R and J Gailani. 2016. Alaska District (POA) DOTS Request Statement and ERDC Technical Review. Transmitted via email to J.Brewer (USACE POA) from R. Styles (USACE ERD-MS), August 15, 2016.
- Suleimani, EN, RA Combellick, D Marriott, RA Hansen, AJ Venturato, AJ, and JC Newman. 2005. Tsunami Hazard Maps of the Homer and Seldovia Areas, Alaska. Alaska Division of Geological and Geophysical Surveys. Report of Investigations 2005-2. 28 pp.
- Suleimani, EN, RA Combellick, RA Hansen, and GA Carver. 2002. Tsunami hazard mapping of Alaska coastal communities. Alaska Division of Geological and Geophysical Surveys. Alaska GeoSurvey News. 6(2). June 2002.
- Sullivan, ZK. 2013. R.S. 2477: What it is, Why it is Important to Alaska, & Recent Developments. Prepared for the Federal Overreach Summit. Anchorage, Alaska. August 12-13, 2013. State of Alaska, Department of Law, Natural Resources Section.
- Sunrise Sunset. 2015. Calculator. Sunrise Sunset Calculator. Accessed August 28, 2015. <http://www.sunrisesunset.com/USA/Alsaka.asp>
- Suryan, RM and JT Harvey. 1999. Variability in Reactions of Pacific Harbor Seals, *Phoca vitulina richardsi*, to Disturbance. Fishery Bulletin 97: 332-339.
- Sutter, FC. 1980. Reproductive biology of anadromous rainbow smelt, *Osmerus mordax*, in the Ipswich Bay Area, Massachusetts. M.S. Thesis. University of Massachusetts, Amherst.
- Szumigala, DJ and JR Weakland. 2012. Alaska's Mineral Resources: Alaska Division of Geological & Geophysical Surveys Miscellaneous Publication 142, 1 sheet, scale 1:4,000,000.
- Szumigala, DJ, SP Dodd, and A Arribas Jr. 2000. Geology and Gold Mineralization at the Donlin Creek Prospects, Southwestern Alaska. In DS Pinney and PK Davis, editors. Short Notes on Alaska Geology 1999. Division of Geological and Geophysical Surveys. Professional Report 119. p 91-115.
- Talbot, SS, MD Fleming, and CJ Markon. 1986. LANDSAT-facilitated vegetation map and vegetation reconnaissance of Yukon Delta NWR, AK.
- Tanana Chiefs Conference, Inc. and The Kuskokwim Corporation. 1997. Forest Stewardship Plan for The Kuskokwim Corporation. Accessed August 6, 2014. http://www.tananachiefs.org/wp-content/themes/TCC_Website_Theme_Original/documents/forestry_documents/tkc_stewardship_plan.pdf
- Tande, GF and TW Jennings. 1986. Classification and mapping of tundra near Hazen Bay, Yukon Delta National Wildlife Refuge. Alaska Investigations Field Office, FWS, Anchorage, AK.
- Tarnocai, C, JG Canadell, EAG Schuur, P Kuhry, G Mazhitova, and S Zimov. 2009. Soil Organic Carbon Pools in the Northern Circumpolar Permafrost Region. Global Biogeochemical Cycles 23(2).

- Terrasond Ltd. 2007. Kuskokwim River Bathymetric Survey. Interim Draft Report. Palmer, Alaska.
- Terrasond Ltd. 2010. Kuskokwim River Shoals Bathymetric Surveys, August 20 – September 20, 2010, Project Report. Prepared for Donlin Creek, LLC. Palmer, Alaska.
- 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.
- Tetra Tech, Inc. 2013. Baseline Water Quality Loading Analysis, Donlin Gold Project. Prepared for Donlin Gold, LLC. 153 pp.
- The Associated Press. 2003. Study: New boroughs could form. Alaska Journal of Commerce. Accessed November 7, 2013. <http://www.alaskajournal.com/Alaska-Journal-of-Commerce/January-2003/Study-New-boroughs-could-form/>
- The Associated Press. 2013. Federal Funding Cuts Hurt Y-K Health Corp. Anchorage Daily News. October 6, 2013. Anchorage, AK.
- The Rock Manual. 2007. The Use of Rock in Hydraulic Engineering (2nd edition). C683, CIRIA, London. Chapter 4, Physical Site Conditions and Data Collection.
- Theodorakos, PM, JC Borden, JH Bullock Jr, JE Gray, and PL Hageman. 1992. Analytical Data and Sample Locality Map of Stream-Sediment and Heavy Mineral Concentrate Samples Collected from the Horn Mountains Areas, Sleetmute Quadrangle, Southwest Alaska. US Geological Survey. Open-File Report 92-708A. 35 pp.
- Thomas, HH, E Wahlstrom, and RF Craig. 2014. Piping, Basic Seepage Problems, Prevention of Piping Failures, Reduction of Seepage, and Drainage Methods. Durham University, Durham, UK. Accessed September 25, 2014. community.dur.ac.uk/~des0www4/cal/dams/emba/seep.htm and community.dur.ac.uk/~des0www4/cal/dams/found/seep2.htm
- Tiernan, A and A Poetter. 2015. 2013 Kuskokwim area management report. Alaska Department of Fish and Game, Fishery Management Report No. 15-46, Anchorage, AK.
- Timothy, J. 2013. Alaska Blasting Standard for the Proper Protection of Fish. Alaska Department of Fish and Game, Division of Habitat. November 2013. Habitat Publication Number 13-03. 5 pp.
- Tjerngren, IM, E Meili, E Björn, and U Skjellberg. 2012. Eight boreal wetlands as sources and sinks for methyl mercury in relation to soil acidity, C/N ratio, and small-scale flooding. Environmental Science and Technology 46(15):8052-8060.
- TKC (The Kuskokwim Corporation). 2010. Land Use. Accessed October 9, 2013. <http://www.kuskokwim.com/content/permits>
- TKC. 2012. 2012 Annual Report: Looking to Legends, Planning the Future.
- TKC. 2015. TKC Jobs. Accessed August 18, 2015. <http://www.kuskokwim.com/career/jobs/>
- TKC. 2015b. Middle Kuskokwim Borough formation. The Kuskokwim Drift, The Kuskokwim Corporation Newsletter. Volume 2, Edition 7. June 2015. Available online at: <http://kuskokwim.com/wp-content/uploads/2015/06/June-2015.pdf>

- Tolimieri, N and P Levin. 2004. Differences in responses of chinook salmon to climate shifts: implications for conservation. *Environmental Biology of Fishes* 70:155-167.
- Toth, J. 1963. A Theoretical Analysis of Groundwater Flow in Small Drainage Basins. *J. Geophysical Research* 68:4795-4812.
- Tougaard, J, J Carstensen, and J Teilmann. 2009. Pile Driving Zone of Responsiveness Extends Beyond 20 km for Harbor Porpoises (*Phocoena phocoena* (L.)). *J Acoust Soc Am* 126:11-14.
- Townsend, JB. 1981. Tanaina; Handbook of North American Indians. Washington, DC; Smithsonian Institution. Subarctic 6:623-640.
- TransCanada and ExxonMobil. 2011. Alaska Pipeline Project Draft Resource Report 5 – Socioeconomics. Anchorage, AK. Accessed February 11, 2015. Available online at <http://www.arcticgas.gov/sites/default/files/documents/app-draft-resource-report-5.pdf>
- Transportation Security Administration. 2011. Pipeline Security Smart Practice Observations. September 19, 2011. http://www.tsa.gov/sites/default/files/assets/pdf/Intermodal/tsa_pipeline_sec_smart_pract_observ_09_19_2011.pdf
- TRB (Transportation Research Board). 2008. Risk of Vessel Accidents and Spills in the Aleutian Islands: Designing a Comprehensive Risk Assessment. Transportation Research Board Special Report 293. National Academy of Sciences, Washington, DC, 225 pp.
- TRI Environmental, Inc. 2014. Electrical Leak Location Survey, General Guide. Liner Integrity System Assessment (LISA). August 2014.
- Tripod. 2014. Helicopter FAQ. Accessed September 11, 2014. http://kmease_5.tripod.com/faq2.html.
- Trombulak, SC and CA Frissell. 2000. Review of Ecological Effects of Roads on Terrestrial and Aquatic Communities. *Conservation Biology* 14(1):18-32.
- Truffer, M, P Craw, D Trabant, and R March. 2002. Effects of the M7.9 Denali Fault Earthquake on glaciers in the Alaska Range, EOS, Transactions, American Geophysical Union 83 (47), 2002 AGU Fall Meeting Poster S72F-1334.
- Turner, MC, D Krewski, CA Pope III, Y Chen, SM Gapstur, and MJ Thun. 2011. Long-Term Ambient Fine Particulate Matter Air Pollution and Lung Cancer in a Large Cohort of Never-Smokers. *Am J Respir Crit Care Med* 184:1374-1381.
- UAF (University of Alaska Fairbanks). 2014. Alaska Lake Ice and Snow Observatory Network (ALISON). Accessed November 11, 2014. www.asf.alaska.edu/other-data/alison
- UAF-INE (UAF, Institute of Northern Engineering) Alaska University Transportation Center (AUTC). 2014. Seismic Bridge Design, Structural Capacity and Seismic Demand. Tech Brief #002.
- 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. Available online at: <http://pauktuutit.ca/wp-content/blogs.dir/1/assets/Final-mining-report-PDF-for-web.pdf>

- Ulev, E. 2007. *Ursus americanus*. In Fire Effects Information System. US Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory (Producer). Accessed October 3, 2013. <http://www.fs.fed.us/database/feis/>
- UNFCCC (United Nations Framework Convention on Climate Change). 1992. U.N. Framework Convention on Climate Change, S. Treaty Document Number 102-38, 1771 U.N.T.S 107. May 9, 1992. Accessed November 17, 2013. <http://unfccc.int/resource/docs/convkp/conveng.pdf>
- University of Aberdeen. 2015. Ancient Alaskan hair could reveal insight into climate change. September 7, 2012. University of Aberdeen News. Accessed September 25, 2015. <http://www.abdn.ac.uk/news/4488/>
- URS (URS Corporation). 2013a. Meeting Notes, Technical Work Group Meeting on Geochemical Characterization and Water Quality Prediction. June 4, 2013.
- URS. 2013b. Donlin Gold Project EIS Final Scoping Report. Prepared for the US Army Corps of Engineers, Alaska District by URS Corporation. August 2013.
- URS. 2013c. Subsistence and Traditional Ecological Knowledge Workshop #1. 2013. November 5-7, 2013. Aniak, AK. Workshop convened by the US Army Corps of Engineers, with the assistance of Cooperating Tribes for the Donlin Gold Project EIS.
- URS. 2013d. Meeting Notes, Technical Work Session on Surface and Subsurface Hydrology. April 15-16, 2013.
- URS. 2014c. Draft Technical Memorandum: Climate Change Effects on Kuskokwim River Flow and Available Barging Days. URS Corporation to US Army Corps of Engineers. Subject. August 15, 2014.
- URS. 2014d. Red Devil Mine Boom and Bust Case Study. Technical Paper Submitted to the US Army Corps of Engineers, Alaska District. Prepared by URS, AK. 22 pp.
- URS. 2014e. Subsistence and Traditional Ecological Knowledge Workshop #2. 2014. March 26-27, 2014. Anchorage AK. Workshop convened by US Army Corps of Engineers for the Donlin Gold Project EIS.
- US Department Of Labor. 2013. Bureau of Labor Statistics, Consumer Price Index (CPI) Inflation Calculator. CPI last updated August 2013. Accessed October 25, 2013. <http://data.bls.gov/cgi-bin/cpicalc.pl?cost1=50000&year1=1984&year2=2013>
- USCB (US Census Bureau). 2010. Results from the decennial census. Available from <https://www.census.gov/2010census>
- USCB. 2011. American Community Survey 2007-2011 5-year estimates for all geographic areas. Available from <http://www.census.gov> or <http://laborstats.alaska.gov/census/>
- USCB. 2012. Statistical Abstract of the United States 2012 - Table 120. Deaths and Death Rates by Selected Causes: 2006 and 2007. Pg 89.
- USCB. 2012b. American Community Survey 2012, Five-Year Estimates. As cited in Newfields 2016. http://factfinder.census.gov/servlet/ADPTable?_bm=y&-geo_id=01000US&-qr_name=ACS_2009_5YR_G00_DP5YR3&-ds_name=&-_lang=en&-redoLog=false&-format=

- USCB. 2013a. American Community Survey. Accessed September 23, 2013.
<http://www.census.gov/acs/www/>.
- USCB. 2013b. American FactFinder. Accessed September 23, 2013.
http://factfinder.census.gov/home/saff/main.html?_lang=en.
- USCB. 2013c. Small Area Income and Poverty Estimates. Available online at
<http://www.census.gov/did/www/saipe/index.html>. Accessed September 23, 2013.
- USCB. 2013d. US Census Bureau Quickfacts, 2013. Website:
<http://quickfacts.census.gov/qfd/states/02/02270.html>. Accessed December 2013.
- USCB. 2015. American Community Survey. Accessed March 29, 2017.
<https://www.census.gov/programs-surveys/acs/data.html>
- USCB. 2016. American Community Survey 2007-2011 5-year estimates for all geographic areas. Accessed March 29, 2017. <http://live.laborstats.alaska.gov/cen/acsarea.cfm>
- USCG (US Coast Guard). 2014. Marine Information for Safety and Law Enforcement (MISLE), Marine Casualty and Pollution Data. Accessed March 2015.
<http://cgmix.uscg.mil/IIR/IIRSearch.aspx>
- USDA (US Department of Agriculture). 1982. Floodplain Management Study Beluga Subbasin Streams. Alaska Rivers Cooperative Study. Susitna River Basin, Beluga Subbasin, Matanuska-Susitna and Kenai Peninsula Borough, Alaska. September, 1982.
- USDA-NRCS (USDA Natural Resources Conservation Service). 2009. USDA Natural Resources Conservation Service PLANTS Database. Accessed August 26, 2009, from
<http://plants.usda.gov/index.html>
- USDA-NRCS. 2011. US General Soil Map (Alaska). Soil Survey Staff.
http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_035817.zip. Accessed 2011.
- USDA-NRCS. 2013. Part 618 – Soil Properties and Qualities. Accessed November 2013.
http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054223
- USDA-SCS (USDA Soil Conservation Service). 1979. Exploratory Soil Survey of Alaska, US Department of Agriculture, Soil Conservation Service. 213 pages, 29 plates.
- USDOE (US Department of Energy). 2011. Final Long-Term Management and Storage of Elemental Mercury, Environmental Impact Statement. USDOE, Office of Environmental Management, Washington DC, January 2011.
- USDOE. 2013. Natural gas vehicle emissions. Alternative Fuels Data Center. Accessed August 10, 2014. http://www.afdc.energy.gov/vehicles/natural_gas_emissions.html.
- USDOE. 2013b. Final Long-Term Management and Storage of Elemental Mercury, Supplemental Environmental Impact Statement. USDOE, Office of Environmental Management, Washington, D.C. September 2013. DOE/EIS-0423-S1.

- USDOI (US Department of the Interior). 2013. Secretary of the Interior. Secretarial Order 3330. Subject: Improving Mitigation Policies and Practices of the Department of the Interior. 5 pp.
- USDOT (US Department of Transportation). 1995. Clean Air Program: Summary of Assessment of the safety, Health, Environmental and System Risks of Alternative Fuels. Federal Transit Administration. August 1995 Final Report. PDF Edition April 1999. FTA-MA-90-7007-95-1. DOT-VNTSC-FTY-95-5.
- USDOT. 2011. LRFD Seismic Analysis and Design of Transportation Geotechnical Features and Structural Foundations, Reference Manual. Federal Highway Administration. National Highway Institute (NHI) Course No. 130094, Publ. No. FWHA-NHI-11-032, August.
- USDOT. 2013. Freight Facts and Figures 2013. Federal Highway Administration and Bureau of Transportation Statistics. Accessed August 14, 2015.
http://www.ops.fhwa.dot.gov/freight/freight_analysis/nat_freight_stats/docs/13factsfigures/pdfs/fff2013_highres.pdf
- USFS (US Forest Service). 2000. Forest Roads: a Synthesis of Scientific Information. USDA Forest Service. H Gucinski, MJ Furniss, RR Ziemer, and MH Brookes, editors. 117 pp.
- USFS. 2001. Guide to Noxious Weed Prevention Practices. Washington, DC.
- USFS. 2010. Invasive Interceptions: Gypsy Moth and Invasive Moth Detection in Alaska. Issue Paper July 2010. USFS, Anchorage, AK. 3 pp.
- USFS. 2016. Forest Health Conditions in Alaska -2015. A Forest Health Protection Report, R10-PR-38. USFS and ADNR, Anchorage, AK. 90 pp.
- USFWS (US Fish and Wildlife Service). 1988. Yukon Delta National Wildlife Refuge Comprehensive Conservation Plan, Environmental Impact Statement, Wilderness Review, and Wild River Plan, Final. US Department of Interior, US Fish and Wildlife Service. Anchorage, Alaska. Page(s) 576.
- USFWS 2012d. Aerial survey of waterbirds on Kenai National Wildlife Refuge and Susitna Basin wetlands. R Platte, R Stehn, P Anderson, D Marks, and H Wilson, US Fish and Wildlife Service, Migratory Bird Management, 1011 E Tudor Rd, Anchorage, AK 99503.
- USFWS. 1996. Spectacled Eider Recovery Plan. Anchorage, Alaska.
- USFWS. 2002. Steller's Eider Recovery Plan. Prepared by USFWS, Fairbanks, Alaska.
- USFWS. 2004a. Yukon-Kuskokwim Delta National Wildlife Refuge Land Conservation Plan; Options for the Protection of Fish and Wildlife Habitats. US Department of the Interior, US Fish and Wildlife Service.
- USFWS. 2004b. Effects of Oil Spills on Wildlife and Habitat. Alaska Region.
- USFWS. 2005. The 2005 North American Trumpeter Swan Survey. April 2006. US Fish and Wildlife Service Division of Migratory Bird Management. Denver, Colorado.
- USFWS. 2005b. Black Scoter Studies in Alaska. February 2005.
- 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 2002026).

- USFWS. 2008. Birds of Conservation Concern 2008. United States Department of Interior, Fish and Wildlife Service, Division of Migratory Bird Management, Arlington, Virginia. 85 pp.
- USFWS. 2009. Land Clearing Timing Guidance for Alaska. Accessed March 25, 2015.
http://www.fws.gov/alaska/fisheries/fieldoffice/anchorage/pdf/vegetation_clearing.pdf
- USFWS. 2009b. Invasive Plant Species Response to Climate Change: Bioclimatic models of current and predicted future time steps, Report and map index.
http://www.fws.gov/alaska/fisheries/invasive/reports_maps.htm#scenario_maps.
- USFWS. 2010. Spectacled Eider (*Somateria fischeri*) 5-Year Review: Summary and Evaluation.
- USFWS. 2011. Threatened and Endangered Species – Steller’s Eider (*Polysticta stelleri*). Accessed online at http://www.fws.gov/alaska/fisheries/fieldoffice/anchorage/ endangered/pdf/factsheet_stei.pdf
- USFWS. 2012a. Biological Opinion for Diamond Point Granite Rock Quarry. Consultation with US Army Corps of Engineers. Prepared by Anchorage Fish and Wildlife Field Office.
- USFWS. 2012b. Fact Sheet Steller’s Eider (*Polysticta stelleri*). May 2012. Accessed online on November 8, 2013 at http://www.fws.gov/alaska/fisheries/ endangered/pdf/stellers_eider_factsheet_v2.pdf
- USFWS. 2012c. Fact Sheet Spectacled Eider (*Somateria fischeri*). May 2012. Accessed online on November 8, 2013 at http://www.fws.gov/alaska/fisheries/ endangered/pdf/spectacled_eider_factsheet_v2.pdf
- USFWS. 2013a. Draft revised Pacific walrus (*Odobenus rosmarus divergens*) stock Assessment report. <http://www.fws.gov/alaska/fisheries/mmm/walrus/pdf/Draft%20Pacific%20Walrus%20SAR%20April%202013.pdf>
- USFWS. 2013b. Southwest Alaska Distinct Population Segment of the Northern Sea Otter (*Enhydra lutris kenyoni*) – Recovery Plan. US Fish and Wildlife Service, Region 7, Alaska. 171 pp.
- USFWS. 2013c. Steller’s Eider May Nest Again on the Delta. Endangered Species Program – ESA Success Story. US Fish and Wildlife Service, Ecological Services.
- USFWS. 2014a. National Wetlands Inventory. Accessed April 7, 2014.
<http://www.fws.gov/wetlands/index.html>.
- USFWS. 2014b. Northern sea otter (*Enhydra lutris kenyoni*): Southwest Alaska stock. Revised stock assessment report. April 2014. http://www.fws.gov/alaska/fisheries/mmm/stock/Revised_April_2014_Southwest_Alaska_Sea_Otter_SAR.pdf
- USFWS. 2014c. Yukon Delta National Wildlife Refuge – About the Refuge. Webpage available at: http://www.fws.gov/refuge/Yukon_Delta/about.html
- USFWS. 2014d. Comments on the Draft Donlin Gold Project EIS, Chapter 3, Affected Environment Sections. March 2014.

- USFWS. 2015. 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, 2015.
- USFWS. 2016. Environmental Assessment - Reintroduction of Steller's Eiders to the Yukon-Kuskokwim Delta, Alaska. USFWS, Fairbanks, AK. 74 pp.
- USFWS. 2016b. Donlin Gold Mine DEIS, DEIS – Cooperating Agency Review through April, 2016, USFWS Comment Response Matrix. In USDOl, Letter to USACE, Subject: Draft Environmental Impact Statement for the Donlin Gold Project, Alaska. May 27, 2016, Enclosure 2 FWS Comment Matrix.pdf. 694 pp.
- USGCRP (US Global Change Research Program). 2009. Regional Climate Impacts: Alaska. Pages 139-144 *in* TR Karl, JM Melillo, and TC Peterson, editors. Global Climate Change Impacts in the United States. US Global Climate Change Research Program. New York, NY; Cambridge University Press. Accessed March 6, 2014.
<http://nca2009.globalchange.gov/alaska>
- USGCRP. 2014. Overview, Climate Change Impacts in the United States, US National Climate Assessment. nca2014.globalchange.gov/highlights/overview
- USGS (US Geological Survey). 2009. Ground Water Atlas of the United States (Alaska, Hawaii, Puerto Rico and the US Virgin Islands, HA 730-N). Accessed September 24, 2013.
http://pubs.usgs.gov/ha/ha730/ch_n/N-AKtext1.html
- USGS. 2013a. National Elevation Database (NED), 7.5 Minute Digital Elevation Model (DEM) Series, Map Scale 1:63,360. <http://NationalMap.gov>
- USGS. 2013b. Peak Streamflow for Alaska. <http://nwis.waterdata.usgs.gov/ak/nwis/peak>
- USGS. 2014a. Groundwater Depletion, The USGS Water Science School. <http://water.usgs.gov/edu/gwdepletion.html>
- USGS. 2014b. USGS 15304000 Kuskokwim River at Crooked Creek AK.
<http://waterdata.usgs.gov/nwis/>
- USGS. 2016. USGS FAQs – Measuring Earthquakes. Accessed January 30, 2017.
<https://www2.usgs.gov/faq/categories/9828/3357>
- Valkenburg, P, as revised by S Arthur. 2008. Caribou. Alaska Department of Fish and Game Wildlife Notebook Series. Accessed September 30, 2013. <http://www.adfg.alaska.gov/index.cfm?adfg=animals.listmammals>
- van der Valk, AG, SD Swanson, and RF Nuss. 1983. The response of plant species to burial in three types of Alaskan wetlands. *Canadian Journal of Botany* 61:1150-1164.
- Van Oosten, J. 1945. Turbidity as a factor in the decline of Great Lakes fishes with special reference to Lake Erie. *Transactions of the American Fisheries Society* 75:281-322.
- Van Sant, S. 2013. Alaska State Assessor. Personal communication. Northern Economics, Inc. December 5, 2013.
- Vanderlaan, ASM and CT Taggart. 2007. Vessel Collisions with Whales: the Probability of Lethal Injury Based on Vessel Speed. *Marine Mammal Science* 23:144-156.

- Vandewiele, GL, C-Y Xu, and N-L Win. 1992. Methodology and Comparative Study of Monthly Water Balance Models in Belgium, China, and Burma. *Journal of Hydrology* 134: 315-347.
- VanStone, JW. 1984a. Exploration and Contact History of Western Alaska. Pages 149-160 *in* Handbook of North American Indians, Volume 5: Arctic. Washington, DC.; Smithsonian Institution.
- VanStone, JW. 1984b. Southwest Alaska Eskimo. Pages 205-208 *in* Handbook of North American Indians, Volume 5: Arctic. Washington, DC.; Smithsonian Institution.
- VanStone, JW. 1984c. Mainland Southwest Alaska Eskimo. *In* D Damas, editor. Handbook of North American Indians, Volume 5: Arctic. Washington, DC.; Smithsonian Institution.
- Vavrek, MA, N Fetcher, JB McGraw, GR Shaver, F Stuart Chapin III, and B Bovard. 1999. Recovery of Productivity and Species Diversity in Tussock Tundra Following Disturbance. *JSTOR: Arctic, Antarctic, and Alpine Research* 31(3):254-258.
- Ver Hoef, JM, JM London, and PL Boveng. 2010. Fast computing of some generalized linear mixed pseudo-models with temporal autocorrelation. *Comput Stat* 25:39-55. doi: 10.1007/s00180-009-0160-1.
- Verhey, HJ. 1983. The stability of bottom and banks subjected to the velocities in the propeller jet behind ships, Number 303, Delft Hydraulics Laboratory, Delft, The Netherlands.
- Vidal, C, U Broschek, G Zuñiga, and L Bravo. 2009. Zeotreat: Multifunctional Adsorbents for Metal and Sulphate Removal in Mining Wastewaters from Copper Industry, Chilean Case. *In* Water Institute of Southern Africa & International Mine Water Association: Proceedings, International Mine Water Conference, p. 454-461.
- Viereck, LA and CT Dyrness. 1980. A preliminary classification system for vegetation of Alaska. USDA Forest Service GTR-PNW-106.
- Viereck, LA, CT Dyrness, AR Batten, and KJ Wenzlick. 1992. The Alaska Vegetation Classification. US Department of Agriculture Forest Service Pacific Northwest Research Station. General Technical Report PNW-GTR-286. Portland, Oregon. 278 pp. http://www.fs.fed.us/pnw/publications/pnw_gtr286/pnw_gtr286a.pdf
- Vijayaraghavan, K. 2017. Technical Workshop on Donlin Gold Project Draft EIS Mercury Comments: Mercury Deposition Modeling. Ramboll Environ, Presentation, December 15, 2016, Krish_Donlin_mercury_deposition_v2_15Dec2016.pdf
- Wade, PR, A Kennedy, R LeDuc, J Barlow, J Carretta, K Shelden, W Perryman, R Pitman, K Robertson, B Rone, JC Salinas, A Zerbini, RL Brownell Jr, and PJ Clapham. 2011. The world's smallest whale population? *Biology Letters*. doi:10.1098/rsbl.2010.0477
- Wadhams, P. 2000. Linking Weather and Climate - Water Density. Accessed September 4, 2014. <http://linkingweatherandclimate.com/ocean/waterdensity.php>
- Wahrhaftig, C. 1965. Physiographic Divisions of Alaska. US Geological Survey Professional Paper 482. 50 pp.
- Wahrhaftig, C. 1969. Physiographic Divisions of Alaska (3rd edition) United States Geological Survey. Accessed September 2013. <http://agdc.usgs.gov/data/usgs/erosafo/physio/metadata/physio.html>

- Wahrhaftig, C. 1994. Physiographic Divisions of Alaska. In G Plafker and HC Berg, editors. The Geology of Alaska: Boulder, Colorado. Geological Society of America, The Geology of North America. v. G-1., Plate 2, Scale 1:2,500,000.
- Walker, DA and KR Everett. 1987. Road Dust and Its Environmental Impact on Alaskan Taiga and Tundra. Arctic and Alpine Research 19(4):479-489.
- Walker, DA, D Cate, J Brown, and C Racine. 1987. Disturbance and Recovery of Arctic Alaskan Tundra Terrain: A Review of Recent Investigations. CRREL Report 87-11. Hanover, NH: Cold Regions Research and Engineering Laboratory.
- Walker, DA, PJ Webber, KR Everett, and J Brown. 1978. Effects of crude and diesel oil spills on plant communities at Alaska Prudhoe Bay, Alaska, and the derivation of oil spill sensitivity maps. Arctic 31(3):242-259.
- Waller, R.M. 1957. Groundwater and Permafrost at Bethel, Alaska. U.S. Geological Survey Open-file Report.
- Walsh, J, D Wuebbles, K Hayhoe, J Kossin, K Kunkel, G Stephens, P Thorne, R Vose, M Wehner, J Willis, D Anderson, S Doney, R Feely, P Hennon, V Kharin, T Knutson, F Landerer, T Lenton, J Kennedy, and R Somerville. 2014. Chapter 2: Our Changing Climate. Pages 19-67 in Climate Change Impacts in the United States: The Third National Climate Assessment. JM Melillo, TC Richmond, and GW Yohe, editors, US Global Change Research Program.
- Walsh, JE, I Shapiro, and TL Shy. 2005. On the variability and predictability of daily temperatures in the Arctic. Atmosphere-Ocean 43:213-230.
- Walsh, JE, WL Chapman, V Romanovsky, JH Christensen, and M Stendel. 2008. Global Climate Change Model Performance over Alaska and Greenland. Journal of Climate 21:6156-6174.
- Walter, J, D Hughes, NJ Moore, F Inoue, and G Muhlberg. 2005. Streambank Revegetation and Protection: A Guide for Alaska. Revised 2005. Technical Report Number 98-3 (Revised). Alaska Department of Fish and Game, Juneau, Alaska. 97 pp.
- Walton, K, T Gotthardt, T Fields. 2013. American marten, Kenai, *Martes americana kenaiensis*. Alaska Species Ranking System Summary Report.
http://aknhp.uaa.alaska.edu/species_summary_reports/pdfs/166.pdf
- Wang, B. 1999. Spatial distribution of chemical constituents in the Kuskokwim River, Alaska. US Department of Interior, US Geological Survey. Water Resources Investigations Report 99-4177. Anchorage, Alaska. pp 39. <http://ak.water.usgs.gov/Publications/pdf.reps/wrir99.4177.pdf>
- Ward, DH and RA 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.
- Ward, TC, M Coffing, J Estenson, R Fisher, and D Molyneaux. 2003. Annual management report for the subsistence and commercial fisheries of the Kuskokwim Area, 2002. Alaska Department of Fish and Game, Division of Commercial Fisheries, Regional Information Report 3A03-27, Anchorage, Alaska.

- WARDROP. 2012. Technical Report-Feasibility Study, Eagle Gold Project, Yukon. Prepared for Victoria Gold Corporation by WARDROP, Vancouver, British Columbia. April 2012. 429 pp.
- Warren, SD, VE Diersing, PJ Thompson, WD Goran. 1989. An Erosion Based Land Classification System for Military Installations. *Environmental Management*. 13:251-257.
- Wartzok, D, WA Watkins, B Würsig, and CI Malme. 1989. Movements and Behaviors of Bowhead Whales in Response to Repeated Exposures to Noises Associated with Industrial Activities in the Beaufort Sea. Prepared by Purdue University, Fort Wayne, IN, for Amoco Production Co., Anchorage, AK. 228 pp.
- Washington State Department of Ecology. 2013. Sediment Benthic Marine Chemical Criteria. Last updated July 12. www.ecy.wa.gov/programs/tcp/smu/sed_chem.htm
- Waters, TF. 1995. Sediment in Streams. Sources, Biological Effects, and Control. American Fisheries Society. Bethesda, MD.
- Waythomas, CF and TP Miller. 2002. Preliminary Volcano-Hazard Assessment for Hayes Volcano, Alaska. US Geological Survey. Open File Report 02-072. 33 pp.
- Waythomas, CF, P Watts, F Shi, and JT Kirby. 2009. Pacific Basin tsunami hazards associated with mass flows in the Aleutian arc of Alaska. *Quaternary Science Reviews*. 28:1006-1019.
- Waythomas, CF, TC Pierson, JJ Major, and WE Scott. 2013. Voluminous ice-rich and water-rich lahars generated during the 2009 eruption of Redoubt Volcano, Alaska. *Journal of Volcanology and Geothermal Research* 259:389-413.
- Weber, PK. 1986. Downstream Effects of Placer Mining in the Birch Creek Basin, Alaska. Alaska Department of Fish and Game, Division of Habitat. http://www.adfg.alaska.gov/static/home/library/pdfs/habitat/86_07.pdf
- Weber-Scannell, PK. 1992. Influence of temperature on freshwater fishes: A literature review with emphasis on species in Alaska. Technical Report No. 91-1. Alaska Department of Fish and Game. Juneau, Alaska.
- Weggel, JR and RM Sorensen. 1986. Ship Wave Prediction for Port and Channel Design. In PH Sorensen, editor. Ports '86: Proceedings of a Specialty Conference on Innovations in Port Engineering and Development in the 1990's, Oakland CA, May 19-21, 1986. American Society of Civil Engineers, New York, p. 797-814.
- Weglinski, G. 2015a. Personal communication. Senior Permitting Coordinator, Donlin Gold. RE: Request clarification on Hg baseline soil data; SoilHgCalcDetail.xlsx. August 28, 2015. Email to Nancy Darigo, AECOM.
- Weglinski, G. 2015b. Personal communication, Senior Permitting Coordinator. Subject: Questions on AWT documents (RFAI #301), Internal RFAI_301_08142015.docx. Email to Keith Gordon, USACE and Bill Craig, AECOM. September 14, 2015.
- Weglinski, G. 2015c. Personal communication, Senior Permitting Coordinator. Subject: Need specific comments noted for Corps reference in letters, memos and emails (RFAI 298_r2). Attachment: pHSO₄HCTGraphs_1CB018000_SJD_20150909.pptx. Email to Nancy Darigo, AECOM. September 10, 2015.

- Weglinski, G. 2015d. RE: Additional information requests (RFAI 299_r3). Email to Keith Gordon, USACE, and Bill Craig, AECOM, August 14, 2015.
- Weglinski, G. 2015e. Personal communication, Senior Permitting Coordinator. Subject: Need specific comments noted for Corps reference in letters, memos and emails (RFAI 298_r2). Attachment: DonlinKTCharts_1CB018000_SJD_20150902.pptx, page 1 and page 2 Email to Bill Craig, AECOM. September 3, 2015.
- Weglinski, G. 2015f. Personal communication. Senior Permitting Coordinator, Donlin Gold. RE: Need specific comments noted for Corps reference in letters, memos and emails (RFAI 298_r1). Email to Keith Gordon, Corps and Bill Craig, AECOM, August 7, 2015.
- Weglinski, G. 2015g. Personal communication. Senior Permitting Coordinator, Donlin Gold. RE: email response to RFAI 298 (r2) including (Beta) additional baseline analytical reports covering the period 2012-2015. Email to Keith Gordon, Corps and Bill Craig, AECOM. August 14, 2015.
- Weglinski, G. 2016. Memorandum: Response to RFAI #85, with file attachment WQ_Analytical_Results_SW_Update_3Q2013-3Q2015.xlsx. To Jon Isaacs (AECOM), from Gene Weglinski (Donlin Gold), July 26, 2016.
- Weglinski, G. 2017a. Personal communication. Acting Permitting Manager, Donlin Gold. RE: Donlin Gold EIS – HHRA SOW Comments. Email to Richard Darden, Corps. March 14, 2017.
- Weglinski, G. 2017b. Personal communication. Senior Permitting Coordinator, Donlin Gold. RE: Questions for Donlin on the new plans, RFAI #95. Email to Bill Craig and Nancy Darigo, AECOM. May 16, 2017.
- Weir, DN, MR Petersen, and MH Dick. 1982. Birds of the Kilbuk Mountains, Ahklun Mountains, and Offshore Islands, Alaska.
- Weis, JS and P Weis. 2004. Metal uptake, transport and release by wetland plants: implications for phytoremediation and restoration. *Environment International*. 30(2004):685-700.
- Weiss, D. 2015. August 30, 2014. Alaska Dispatch News. Accessed September 25, 2015. <http://www.adn.com/article/20140830/archaeologists-rush-save-yupik-treasures-threatened-vanishing-shoreline>
- Weller, DW, A Klimek, AL Bradford, J Calambokidis, AR Lang, B Gisborne, AM Burdin, W Szaniszló, J Urbán R, A Gómez-Gallardo U, S Swartz, and RL Brownell Jr. 2012. Movements of gray whales between the western and eastern North Pacific. *Endangered Species Research* 18:193-199.
- Weltzin, JF, J Pastor, C Harth, SD Bridgman, K Updegraff, and CT Chapin. 2000. Response of bog and fen plant communities to warming and water-table manipulations. *Ecology*. 81(12):3464-3478.
- Wesson, RL, OS Boyd, CS Mueller, CG Bufe, AD Frankel, and MD Petersen, 2007. Revision of Time-Independent Probabilistic Seismic Hazard Maps for Alaska, US Geological Survey. Open File Report 2007-1043, 33 pp.
- West, C, L Galloway, and J Lyon. 1995. Mines, Stormwater Pollution, and You. Mineral Policy Center, Washington, DC.

- Weston (Weston Solutions). 2008. Final Findings Report, Review of Ambient PM-10 Data Submitted by McVehil-Monnett Associates, Inc. From the Barrick Gold US, Inc. Donlin Creek Project. May 2008.
- Wetzel, RG. 2001. Limnology: Lake and River Ecosystem, 3rd Edition. Academic Press, San Diego, CA.
- White House. 2014. Climate Action Plan Strategy to Reduce Methane Emissions. March 2014. Washington, DC.
- Whitman RP, TP Quinn, and EL Brannon. 1982. Influence of suspended volcanic ash on homing behavior of adult chinook salmon. Trans Am Fish Society 111:63-69.
- Whittington, DM and GT Allen. 2008. Guidelines for Raptor Conservation in the Western United States. US Fish and Wildlife Service, Region 9. Division of Migratory Bird Management, Washington DC. 158 pp.
- WHO (World Health Organization). 2003. Concise International Chemical Assessment Document (CICAD); 50 Elemental Mercury and Inorganic Mercury Compounds: Human Health Aspects. Accessed September 8, 2014. <http://www.inchem.org/documents/cicads/cicads/cicad50.htm>
- WHO. 2011. Air Quality and Health. Fact Sheet No. 313. Accessed March 2014. Available at: <http://www.who.int/mediacentre/factsheets/fs313/en/>
- Wibbenmeyer, M, J Grunblatt, L Shea. 1982. User's guide for Bristol Bay land cover maps. US Department of the Interior, Anchorage, AK. 120 pp.
- Wilson, FH, CP Hults, HR Schmoll, PJ Haeussler, JM Schmidt, LA Yehle, and KA Labay. 2012. Geologic Map of the Cook Inlet Region, Alaska, US Geological Survey, Scientific Investigations Map 3153, 71 pp, 2 sheets, scale 1:250,000.
- Wilson, FH, CP Hults, S Mohadjer, and WL Coonrad. 2013. Reconnaissance Geologic Map of the Kuskokwim Bay Region, Southwest Alaska. US Geological Survey, Scientific Investigations Map 3100, 46 pp, scale 1:250,000.
- Wilson, FH, JH Dover, DC Bradley, FR Weber, TK Bundtzen, and PJ Haeussler. 1998. Geologic Map of Central (Interior) Alaska, US Geological Survey, Open File Report 98-133, 3 sheets, scale 1:500,000.
- Windisch-Cole, B. 2002. The Bethel Census Area. Alaska Economic Trends 22(9):3-11.
- Winfree, M. 2010. Marine Mammal Haulout Use in Bristol Bay and Southern Kuskokwim Bay, Alaska, 2009. US Fish and Wildlife Service. Togiak National Wildlife Refuge. Dillingham, Alaska.
- Winfree, M. 2013. Pacific walrus haul-out use in Bristol Bay and southern Kuskokwim Bay, Alaska, 1985-2012. US Fish and Wildlife Service. Togiak National Wildlife Refuge. Dillingham, Alaska.
- Winkler, G, H Keckeis, W Reckendorfer, and F Schiemer. 1997. Temporal and spatial dynamics of 0+ *Chondrostoma nasus* at the inshore zone of a large river. Folia Zoologica 46(Suppl. 1):151-168.

- Winter, TC. 1976. Numerical Simulation Analysis of the Interaction of Lakes and Ground Water. US Geological Survey Professional Paper 1001.
- Winter, TC. 1999. Relation of Streams, Lakes, and Wetlands to Groundwater Flow Systems. *Hydrogeology Journal* 7:28-45.
- Winter, TG. 2003. The evaporation of a drop of mercury. *Am J Phys* 71(8):783-786.
- Wolfe, R, JJ Gross, SJ Langdon, JM Wright, GK Sherrod, LJ Ellanna, and V Sumida. 1984. Subsistence-based economies in coastal communities in Southwest Alaska. With consultation from PJ Usher, PJ Usher Consulting Services, Ontario, Canada. Minerals Management Service, Alaska Region, US Department of the Interior and Alaska Department of Fish and Game, Division of Subsistence Technical Paper No. 89.
- Wolfe, RJ and C Scott. 2010. Continuity and Change in Salmon Harvest Patterns, Yukon River Drainage, Alaska. US Fish and Wildlife Service, Office of Subsistence Management, Fisheries Monitoring Program, Final Report (Study No. 07 253). Robert J. Wolfe and Associates, San Marcos, California.
- Wolfe, RJ and RJ Walker. 1987. Subsistence economies in Alaska: productivity, geography, and development impacts. *Arctic Anthropology* 24(2):56-81.
- Wolfe, RJ, G Knapp, WR Bechtol, D Anderson, and C Scott. 2011. Salmon Harvests to the Year 2050: A Predictive Model for the Yukon, Kuskokwim, and Norton Sound Drainage in Alaska. Arctic-Yukon-Kuskokwim Sustainable Salmon Initiative, SAF-325, Anchorage, AK. Report from an expert panel convened for the Arctic-Yukon-Kuskokwim Sustainable Salmon Initiative, providing a predictive model of subsistence and commercial salmon harvests in western Alaska, 76 pp.
- Wolfe, RJ, SL Scott, WE Simeone, C Utermohle, and MC Pete. 2010. The "Super-Household" in Alaska Native Subsistence Economies. Final report to the National Science Foundation, Project ARC 0352611.
- Wolfe, RJ. 1987. The super-household: specialization in subsistence economies. Paper presented at the 14th annual meeting of the Alaska Anthropological Association, March 1987. Anchorage, Alaska. Alaska Department of Fish and Game, Division of Subsistence.
- Wolter, C and R Arlinghaus. 2003. Navigation impacts on freshwater fish assemblages: the ecological relevance of swimming performance. *Reviews in Fish Biology and Fisheries* 13:63-89.
- Wolter, C, R Arlinghaus, A Sukhodolov, and C Engelhardt. 2004. A model of navigation-induced currents in inland waterways and implications for juvenile fish displacement. *Environmental Management* 34:656-668.
- Woo. M.-K. 2012. *Permafrost Hydrology*. Springer-Verlag, Berlin.
- Woodbury, AC. 1984. Eskimo and Aleut languages. Pages 49-63 in D Damas, editor. *Handbook of North American Indians, Volume 5: Arctic*. WC Sturtevant, general editor. Washington: Smithsonian Institution Press.

- Wooley, C, J Hays, and B Neely. 2007. 2006 Cultural Resources Survey of the Donlin Creek Project, Alaska: Road, Material Sites, and Dock Site. Report prepared for Donlin Gold, LLC by Northern Land Use Research, Inc., and Chumis Cultural Resources Services. Revised November 2007.
- Wooley, C, J Hays, and B Neely. 2008. 2007 Cultural Resources Survey for the Donlin Creek Project, Alaska. Report prepared for Donlin Gold, LLC by Northern Land Use Research, Inc., and Chumis Cultural Resources Services. Revised January 2008.
- Woolington, JD. 2011. Mulchatna caribou management report, Units 9B, 17, 18 south, 19A & 19B. Pages 11-32 in P Harper, editor. Caribou management report of survey and inventory activities 1 July 2008-30 June 2010. Alaska Department of Fish and Game. Juneau, Alaska.
- Woolington, JD. 2013. Mulchatna caribou management report, Units 9B, 17, 18 south, 19A & 19B. Pages 23-45 in P Harper, editor. Caribou management report of survey and inventory activities 1 July 2010-30 June 2012. Alaska Department of Fish and Game, Species Management Report ADF&G/DWC/SMR-2013-3, Juneau.
- WRCC (Western Regional Climate Center). 2013. Alaska Historical Climate Data. Accessed September 25, 2013. <http://www.wrcc.dri.edu/summary/Climsmak.html>
- Wright, K and T Chenoweth. 2012. Historical Analysis of Avalanche Fatalities in Denali National Park, Proceedings, 2012 International Snow Science Workshop, Anchorage, Alaska, p 333-340.
- Wright, SJ and PK Czapla. 2011. Alaska Coastal Revegetation & Erosion Control Guide. Alaska Department of Natural Resources.
- Wright, SJ. 2008. A Revegetation Manual for Alaska. January 2008. Alaska Department of Natural Resources, Division of Agriculture, Alaska Plant Materials Center, Palmer, Alaska. 73 pp.
- Würsig, B, CR Greene, and TA Jefferson. 2000. Development of an Air Bubble Curtain to Reduce Underwater Noise of Percussive Piling. *Marine Environ Res* 49:79-93.
- Xie, Y, GJ Michielsens, AP Gray, FJ Martens, and JL Boffey. 2008. Observations of avoidance reactions of migrating salmon to a mobile survey vessel in a riverine environment. *Canadian Journal of Fisheries and Aquatic Sciences* 65(10):2178-2190.
- Yarborough, MR. 1993. Crooked Creek Sanitation Facilities. Letter Report prepared for Alaska Area Native Health Service, Office of Environmental Health and Engineering, by Cultural Resource Consultants, Anchorage, AK.
- YKHC (Yukon-Kuskokwim Health Corporation). 2013. Our Region. Accessed September 27, 2013. <http://www.ykhc.org/our-region/>
- YKHC. 2014. Website accessed March 2014. Available at: <http://www.ykhc.org/?s=flight+times&x=0&y=0>
- YKHC. 2016. KYHC and Indian Health Service Sign Historic Joint Venture Agreement. YKHC Public Relations. Website accessed September 29, 2017. <https://www.ykhc.org/ykhc-and-indian-health-service-sign-historic-joint-venture-agreement/>

- Yokel, FY and RG Mathey. 1992. Earthquake Resistant Construction of Gas and Liquid Fuel Pipeline Systems Serving, or Regulated by, the Federal Government. Federal Emergency Management Agency FEMA-233/July 1992, Building and Fire Research Laboratory, National Institute of Standards and Technology, Gaithersburg, MD.
- Yorifuji, T, S Kashima, T Tsuda, S Takao, E Suzuki, H Doi, M Sugiyama, K Ishikawa-Takata, and T Ohta. 2010. Long-Term Exposure to Traffic-Related Air Pollution and Mortality in Shizuoka, Japan. *Occup Environ Med* 67:111-117.
- Yukon Energy, Mines and Resources. 2013. Brewery Creek-General Information. Accessed November 21, 2013. http://www.emr.gov.yk.ca/mining/brewery_creek.html.
- Zamzow, K. 2012. Mercury on the Kuskokwim Old and New, presentation at Nevada City, CA. May 3, 2012.
- Zamzow, MJ, BR Eichbaum, KR Sandgren, and DE Shanks. 1990. Removal of Heavy Metals and Other Cations from Wastewater Using Zeolites. *Separation Science And Technology* 25(13-15):1555-1569.
- Zarling, JP. 2011. Geotechnical Thermal Analysis of Donlin Creek Mine Pipeline. Zarling Aero and Engineering. Prepared for CH2M-Hill, 27 pp. February 20, 2011.
- Zerbini, AN, JM Waite, J Durban, R LeDuc, ME Dahlheim, and PR Wade. 2007. Estimating abundance of killer whales in the nearshore waters of the Gulf of Alaska and Aleutian Islands using line-transect sampling. *Mar Biol* 150(5):1033-1045.
- Zerbini, AN, JM Waite, JL Laake, and PR Wade. 2006. Abundance, trends and distribution of baleen whales off Western Alaska and the central Aleutian Islands. *Deep Sea Research Part I* 53:1772-1790.
- Zerbini, AN, MF Baumgartner, AS Kennedy, BK Rone, PR Wade, and PJ Clapham. 2015. Space Use Patterns of the Endangered North Pacific Right Whale *Eubalaena japonica* in the Bering Sea. *Marine Ecology Progress Series* 532: 269-281.
- Zerbini, AN, P Clapham, AS Kennedy, and Y Geyer. 2011. Individual variation in movements of humpback whales (*Megaptera novaeangliae*) satellite-tracked in the Bering Sea during summer. Book of Abstracts: Alaska Marine Mammal Science Symposium 17-21 January 2011, Anchorage, AK.
- Zervopoulou, S, D Sidiras, and F Batzias. 2011. Modeling Sedimentation in Seawater after an Oil Spill Dispersion. Recent Research in Chemistry, Biology, Environment and Culture. Proceedings of the 5th WSEAS International Conference on Computational Chemistry. Montreux, Switzerland; December 29-31, 2011. <http://www.wseas.us/e-library/conferences/2011/Montreux/COMICICBIO/COMICICBIO-27.pdf>
- Zhang, N and RB Blodgett. 2017. Alaska Paleontological Database. <http://www.alaskafossil.org/> Accessed January 26, 2017.
- Zhang, T and H Hsu-Kim. 2010. Photolytic degradation of methylmercury enhanced by binding to natural organic ligands. *Nature Geoscience* 3(7):473-476.
- Zimmerman, RE, PL Wilkey, and HR Isaacson. 1993. Pipeline Corridors through Wetlands. Report ANL/CP – 72393. Prepared by Argonne National Laboratory, and Gas Research Institute for US Department of Energy, Washington, DC. 19 pp.

Zollinger, B, C Alewell, C Kneisel, K Meusburger, H Gartner, D Brandova, S Ivy-Ochs, MWI Schmidt, and M Egli. 2013. Effect of Permafrost on the Formation of Soil Organic Carbon Pools and their Physical-Chemical Properties in the Eastern Swiss Alps. *J. Catena*, 110:70-85.