

8.0 REFERENCES CITED

- 11th Air Force. 2015. Alaska Airspace Handbook. Pacific Air Forces. 28 July.
- _____. 2011. F-22 Plus-Up Environmental Assessment Joint Base Elmendorf-Richardson, Alaska. June.
- _____. 2010. Establish the Delta Military Operations Area Final Environmental Assessment, Eielson Air Force Base, Alaska. January.
- 354th Fighter Wing (354 FW). 2015. Flight Safety Office. Aircraft Mishap Data. Electronic Mail between Allen Richmond of Wyle, and Major Kendall Spencer, 354 FW Flight Safety Officer. 7 April.
- _____. 2013. 354th Fighter Wing Instruction 13-204, Airfield Operations Instruction. 19 June.
- _____. 2011. Bird/Wildlife Aircraft Strike Hazard (BASH) Plan 91-212. February.
- 611th Air Operations Group. 2008. Finding of No Significant Impact and Final Environmental Assessment of Improvements to Military Training Routes in Alaska. March.
- _____. 2007. Environmental Assessment of Improvements to Military Training Route in Alaska. June.
- Advisory Council on Historic Preservation. 2006. Program Comment for World War II and Cold War Era (1939-1974) Ammunition Storage Facilities. August.
- Air Force Civil Engineer Center (AFCEC). 2015. Final Environmental Assessment and Finding of No Significant Impact for the Replacement of QF-4 Full-Scale Aerial Targets (FSATs) with QF-16 FSATs at Holloman AFB, New Mexico. April.
- _____. 2014a. Air Force Air Conformity Applicability Model, Version 5. Lackland AFB, TX.
- _____. 2014b. Environmental Justice under the Environmental Impact Analysis Process. Lackland AFB, TX.
- Air Force Institute for Operational Health. 2006. Calendar Year 2004 Mobile Source Air Emissions Inventory for Eielson AFB, AK, Environmental Consulting Division. August.
- Air Force Materiel Command. 2015. Air Force Instruction 32-7086 Civil Engineering Hazardous Material Management. February.
- Air Force Safety Center (AFSC). 2014a. Engine-Related Fighter/Attack Class A Flight Mishap Rates for Single Engine Aircraft. Accessed at: <http://www.afsec.af.mil/shared/media/document/AFD-150129-038.pdf> on 24 March 2015.
- _____. 2014b. Air Force Wildlife Strikes by Altitude, FY1995-2014. Accessed at: <http://www.afsec.af.mil/shared/media/document/AFD-141209-034.pdf> on 24 March 2015.
- _____. 2014c. Class A Mishaps by Fiscal Year. Accessed at: <http://www.afsec.af.mil/shared/media/document/AFD-141209-026.pdf> on 24 March 2015.
- Alaska Community Action on Toxics. 2003. Eielson Air Force Base Environmental Justice and Superfund Sites Fact Sheet. Accessed at: http://www.akaction.org/wp-content/uploads/2013/06/Eielson_Air_Force_Base_EJ_AK_Military_Superfund_Sites_2003.pdf. Accessed on 15 May 2015.

- Alaska Department of Labor and Workforce Development. 2012. Alaska Population by Area: 2012 to 2042. Accessed at: <http://laborstats.alaska.gov/pop/projected/pub/popproj.pdf>.
- Alaska Earthquake Information Center. 2014. Overview Information Derived from Website. Accessed at: <http://www.aeic.alaska.edu>.
- Andersen, R., J.D.C. Linnell, and R. Langvatn. 1996. Short Term Behavioral and Physiological Response of Moose (*Alces alces*) to Military Disturbance in Norway. *Biological Conservation*. Volume 77, Pages 169-176.
- ArmyTimes. 2015. *Army lays out plan to cut 40,000 soldiers*. Army Times. Accessed at: <http://www.armytimes.com/story/military/pentagon/2015/07/09/army-outlines-40000-cuts/29923339/>. Accessed on 22 May.
- Berglund, B. and T. Lindvall. 1995. Community Noise. Center for Sensory Research, Stockholm, Sweden.
- Bowles, A.E. 1995. *Responses of Wildlife to Noise*. Pages 109-156 in R.L. Knight, and K.J. Gutzwiller, Eds. *Wildlife and Recreationists: Coexistence through Management and Research*. Island Press. Covelo, California.
- Bureau of Land Management. 2012. Eastern Interior Draft Resource Management Plan and Environmental Impact Statement. Accessed at: <https://www.blm.gov/epl-front-office/projects/lup/1100/33652/35152/default.jsp?projectName=Eastern+Interior+Resource+Management+Plan+and+Environmental+Impact+Statement&projectDisplayName=Eastern+Interior+Resource+Management+Plan+and+Environmental+Impact+Statement>.
- _____. 1983. River Management Plan for the Birch Creek National Wild River, Alaska.
- _____. 1980. Fortymile Management Framework Plan. Fairbanks, Alaska.
- Committee on Hearing, Bioacoustics, and Biomechanics. 1981. *Assessment of Community Noise Response to High-Energy Impulsive Sounds*. Report of Working Group 84, Committee on Hearing, Bioacoustics and Biomechanics, Assembly of Behavioral and Social Sciences. National Research Council, National Academy of Sciences. Washington, D.C.
- Council on Environmental Quality (CEQ). 1997. CEQ's Guidance for Considering Cumulative Effects.
- Department of Defense (DoD). 2015. *Department of Defense Identifies Planned Site of Future Long Range Discrimination Radar (LRDR)*. Release No: NR-193-15. Accessed at: <http://www.defense.gov/News/News-Releases/News-Release-View/Article/605521>. Accessed on 22 May.
- _____. 2013. DoD Directive 5030.19, DoD Responsibilities on Federal Aviation. 13 September.
- _____. 2011a. DoD Instruction 4165.57 Air Installations Compatible Use Zones (AICUZ). 2 May.
- _____. 2011b. DoD Instruction, 6055.07 Mishap Notification, Investigation, Reporting, and Record Keeping. Under Secretary of Defense for Acquisition, Technology, and Logistics. 6 June.
- Dockrell, J.E. 2006. *Acoustical Barriers in Classrooms: The Impact of Noise on Performance in the Classroom*. *British Educational Research Journal*. Volume 32, pages 509-525.
- Earthquake Tracker. 2014. Recent Earthquakes near Fairbanks. Accessed at: <http://earthquaketrack.com>. Accessed April 2014.

- Eielson Air Force Base (AFB). 2015a. Projected F-35A Personnel Numbers. 354th Fighter Wing. Eielson Air Force Base, Alaska. February.
- _____. 2015b. Eielson AFB 2010-2015 Aircraft Mishap Data. 354th Fighter Wing. Eielson Air Force Base, Alaska. June.
- _____. 2015c. F-35A Site Survey 354 FW Eielson AFB Outbrief. Headquarters Air Force. A8B Basing. Washington, D.C. 20 March.
- _____. 2015d. 354th Fighter Wing, Civil Engineer. Personal Communication. Eielson Air Force Base, Alaska. November.
- _____. 2015e. Lead-Based Paint Management Plan. Eielson Air Force Base, Alaska. September.
- _____. 2014a. Integrated Cultural Resources Management Plan, 2013 to 2018. Eielson Air Force Base, Alaska. January.
- _____. 2014b. 2014 Drinking Water Quality Annual Consumer Report. Eielson Air Force Base, Alaska.
- _____. 2014c. Stormwater Pollution Prevention Plan (SWPPP). Eielson Air Force Base, Alaska. February.
- _____. 2014d. Hazardous Waste Management Plan. Eielson Air Force Base, Alaska. February.
- _____. 2012. Integrated Natural Resources Management Plan - Second Revision September 2011 to August 2016. Eielson Air Force Base, Alaska. 4 July.
- _____. 2010. Oil and Hazardous Substances Discharge Prevention and Contingency Plan. 354th Fighter Wing. Eielson Air Force Base, Alaska. April.
- _____. No Date. Mutual Aid Agreement for Fire Protection Services. Eielson Air Force Base, Alaska.
- Ellis, D.H., C.H. Ellis, and D.P. Mindell. 1991. Raptor Responses to Low-level Jet Aircraft and Sonic Booms. *Environmental Pollution*. Volume 74, pages 53-83.
- Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. Prepared by Environmental Laboratory, Vicksburg, Mississippi. January.
- Fairbanks News Miner. 2014. *Army releases plan to add 367 soldiers to Fort Wainwright*. Fairbanks News Miner. Accessed at: http://www.newsminer.com/news/local_news/. 9 January.
- Fairbanks North Star (FNSB) Community Research Center. 2014. Quarterly Socioeconomic Reviews. Available Online at: <http://co.fairbanks.ak.us/communityplanning/crc/>. Fairbanks, Alaska.
- _____. 2006. Joint Land Use Study. Fairbanks, Alaska. July.
- Fairbanks Economic Development Corporation. 2015. Fairbanks North Star Borough Housing Needs Assessment. Fairbanks, Alaska. September.
- FNSB School District. 2014. Number of Students Enrolled at Each School. Accessed at: http://www.k12northstar.org/cms/lib010/AK01901510/Centricity/Domain/1125/Public%20Records/2014-2015%20Records/enrollment-ethnicity-report_oct1-2014.pdf.
- Federal Aviation Administration (FAA). 2015. Notice of Proposal to Modify, Expand and Establish Special Use Airspace Joint Pacific Alaska Range Complex Joint Base Elmendorf-Richardson, Alaska Study #14-AAL-22NR. 24 February.

- _____. 2013. FAA Order 7400.2J 2013. Procedures for Handling Airspace Matters. 22 August.
- _____. 2008. Pilot Handbook, Chapter 14, Airspace. Accessed at: https://www.faa.gov/regulations_policies/handbooks_manuals/aviation/pilot_handbook/media/PHAK%20-%20Chapter%2014.pdf. May.
- _____. 2003. Select Resource Materials and Annotated Bibliography on the Topic of Hazardous Air Pollutants (HAPs) Associated with Aircraft, Airports, and Aviation. 1 July.
- Federal Emergency Management Administration. 2015. Revised Guidelines for Implementing Executive Order 11933, Floodplain Management. January.
- Federal Interagency Committee on Noise. 1992. Federal Agency Review of Selected Airport Noise Analysis Issues. August.
- Federal Interagency Committee on Urban Noise (FICUN). 1980. Guidelines for Considering Noise in Land-Use Planning and Control. June.
- Frampton, K.D., M.J. Lucas, and K.J. Plotkin. 1993. Measurements of Sonic Booms due to ACM Training in the Elgin MOA Subsection of the Nellis Range Complex. Wyle Research Report WR 93-5.
- Gladwin, D.N., D.A. Asherin, and K.M. Mancini. 1988. Effects of Aircraft Noise and Sonic Booms on Domesticated Animals and Wildlife: Bibliographic Abstracts. NERC-88/32. U.S. Fish and Wildlife Service, National Ecology Research Center, Fort Collins, Colorado.
- Grubb, T.G. and W.W. Bowerman. 1997. *Variations in Breeding Bald Eagle Responses to Jets, Light Planes and Helicopters*. Journal of Raptor Research. Volume 31, pages 213-222.
- Haeussler, P.J. and G. Plafker. 2004. Earthquakes in Alaska: U. S. Geological Survey Open-File Report 95-624. Accessed at: <http://pubs.usgs.gov/of/1995/0624/>.
- Hall, L.S., P.R. Krausman, and M.L. Morrison. 1997. *The Habitat Concept and a Plea for Standard Terminology*. Wildlife Society Bulletin. Volume 25, pages 173-182.
- Joint Program Office. 2009. Personal Communication between Joint Program Office (Stacy Luker) and Cardno (Kathy Rose). October.
- _____. 2008. F-35 Pollution Prevention Activities. ESTCP/SERDP Surface Finishing and Repair Workshop. Tempe, Arizona. 26 February.
- Krausman, P.R., M.C. Wallace, D.W. DeYoung, M.E. Weisenberger, and C.L. Hayes. 1993. *The Effects of Low-Altitude Jet Aircraft on Desert Ungulates*. International Congress: Noise as a Public Health Problem. Volume 6, pages 471-478.
- Lamp, R.E. 1989. Monitoring the Effect of Military Air Operations at Naval Air Station Fallon on the Biota of Nevada. Nevada Department of Wildlife. Reno, Nevada.
- Lawler, J.P., A.J. Magoun, C.T. Seaton, C.L. Gardner, R.D. Boertje, J.M. Ver Hoef, P.A. Del Vecchio. 2005. Short-Term Impacts of Military Overflights on Caribou during Calving Season. *Journal of Wildlife Management*. Volume 69, Number 3, pages 1133-1146. July.
- Lockheed Martin. 2016. JSF Lighting II Flight Hours. Accessed at: <http://www.lockheedmartin.com/us/products/f35.html>. 12 January.

- Miller, Nicholas P. 1999. *The Effects of Aircraft Overflights on Visitors to U.S. National Parks*. Burlington, Massachusetts.
- Mostlymissiledefense.com. 2015. *The Long Range Discrimination Radar at S-Band?* Accessed at: <http://mostlymissiledefense.com/2015/04/20/the-long-range-discrimination-radar-at-s-band-april-20-2015/>. 20 April.
- National Institute for Occupational Safety and Health (NIOSH). 1998. *Criteria for a Recommended Standard: Occupational Noise Exposure, Chapter 1*. Accessed at: <http://www.cdc.gov/niosh/docs/98-126/>.
- National Marine Fisheries Service. 2014. Alaska Regional Office Protected Resources Division. Accessed at: www.alaskafisheries.noaa.gov/protectedresources/default.htm. Accessed on 7 April 2015.
- National Oceanic and Atmospheric Administration. 2014. *Marine Mammal Protection Act (MMPA)*. Accessed at: www.nmfs.noaa.gov/pr/laws/mmpa/. Accessed on 1 April 2015.
- National Park Service. 2002. *How to Apply the National Register Criteria for Evaluation*.
- _____. 1994. *Report of Effects of Aircraft Overflights on the National Park System*. Report to Congress.
- Page, J., B. Schantz, R. Brown, K.J. Plotkin, and C.L. Moulton. 1994. *Measurements of Sonic Booms due to ACM Training in R-2301W of the U.S. Barry Goldwater Air Force Range*. Wyle Research Report WR 94-11. May.
- Plotkin, K.J., K.D. Frampton, M.J. Lucas, V.R. Desai, B. Moring, and B. Cook. 1992. *Measurements of Sonic Booms due to ACM Training in R2301E of the Barry Goldwater Air Force Range*. Wyle Research Report WR 92-4.
- Plotkin, K.J., V.R. Desai, C.L. Moulton, M.J. Lucas, and R. Brown. 1989. *Measurements of Sonic Booms due to Air Combat Maneuver Training at White Sands Missile Range*. Wyle Research Report WR 89-18.
- Rucker, R.R. 1973. *Effect of Sonic Boom on Fish*. Western Fish Disease Laboratory, Bureau of Sport Fisheries and Wildlife, Fish and Wildlife Service. Prepared for Federal Aviation Administration. February.
- Shield, B.M. and J.E. Dockrell. 2003. *The Effects of Noise on Children at School: A Review*. *Journal of Building Acoustics*. Volume 10, Number 2, pages 97-106.
- Smith, D.G., D.H. Ellis, and T.H. Johnson. 1988. *Raptors and Aircraft*. In R.L. Glinski, B. Giron-Pendleton, M.B. Moss, M.N. LeFranc, Jr., B.A. Millsap, and S.W. Hoffman, eds. *Proceedings of the Southwest Raptor Management Symposium*. National Wildlife Federation. Pages. 360-367. Washington, D.C.
- Todd, S.K. and H.A. Jewkes. 2006. *Wildland Fire in Alaska: A History of Organized Fire Suppression and Management in the Last Frontier*. Agricultural and Forestry Experiment Station Bulletin No. 114, University of Alaska Fairbanks. March.
- Undersecretary of Defense for Acquisition Technology and Logistics. 2009. *Memorandum on Methodology for Assessing Hearing Loss Risk and Impacts in DoD Environmental Impact Analysis*.

- United States (U.S.) Air Force. 2015a. Air Force Instruction 13-212, *Range Planning and Operations*. 23 April.
- _____. 2015b. Based Aircraft and Operations. Eielson AFB, Alaska. February.
- _____. 2015c. Eielson Air Force Base Official Website, About the 354th Medical Group. Accessed at: <http://www.eielson.af.mil/354thmedicalgroup/>.
- _____. 2015d. Eielson Air Force Base Official Website, About the 354th Civil Engineer Squadron. Accessed at: <http://www.eielson.af.mil/library/factsheets/factsheet.asp?id=5261>.
- _____. 2015e. Eielson Air Force Base official website, About the 354th Security Forces Squadron. Accessed at: <http://www.eielson.af.mil/library/factsheets/factsheet.asp?id=5266>.
- _____. 2015f. Housing Requirements and Market Analysis. Eielson AFB, Alaska. September.
- _____. 2014a. F-35A Enterprise-Wide Basing Look. Washington, D.C. May.
- _____. 2014b. F-35A Operational Basing Records of Decision. Air Combat Command. Langley AFB, Virginia. January.
- _____. 2013a. Joint Pacific Alaska Range Complex Final Environmental Impact Statement for the Modernization and Enhancement of Ranges, Airspace, and Training Areas in the Joint Pacific Alaska Range Complex in Alaska. Air Force Civil Engineer Center, Environmental Division. San Antonio, Texas. June.
- _____. 2013b. Proposal to Relocate the 18th Aggressor Squadron from Eielson Air Force Base (EAFB), Alaska to Joint base Elmendorf, Alaska and to Right-Size the Remaining Wing Overhead/Base Operating Support and EAFB, Alaska. Draft Environmental Impact Statement, May 2013. Accessed at: http://www.investfairbanks.com/sites/default/files/documents/F-16_JBER_DEIS_2013-05-24.pdf.
- _____. 2013c. Record of Decision for the Modernization and Enhancement of Ranges, Airspace, and Training Areas in the Joint Pacific Alaska Range Complex (JPARC) in Alaska. Air Force Civil Engineer Center, Environmental Division. San Antonio, Texas.
- _____. 2013d. Air Force Instruction (AFI) 13-201, Air Combat Command Supplement, Airspace Management. October.
- _____. 2011. Air Force Instruction 90-901, Operational Risk Management. Certified Current as of 1 April 2000.
- _____. 2007. Air Force Policy Directive 13-2. Space, Missile, Command, and Control Air Traffic, Airfield, Airspace and Range Management. 7 August.
- _____. 2006a. Air Force Occupational Safety and Health Standard 48-20. June.
- _____. 2006b. F-22 Beddown Environmental Assessment. Elmendorf Air Force Base, Alaska.
- _____. 2001. Technical Order 00-105E-9 and STANAG 3896, Aerospace Emergency Rescue and Mishap Response Information.
- _____. 1997. Alaska Military Operations Areas Final Environmental Impact Statement Record of Decision. Department of the Air Force, 11th Air Force, Elmendorf AFB, Alaska. April.
- _____. 1995. Final Environmental Impact Statement Alaska Military Operations Areas. August.

- U.S. Air Force/U.S. Army Alaska (Air Force/Army). 2014. 11th Air Force Alaska Airspace Handbook, Joint Base Elmendorf-Richardson, Alaska. February.
- U.S. Army. 2015. Infrastructure and Operational Support for the 25th Aviation Regiment Company D Unmanned Aircraft System Final Environmental Assessment and Draft Finding of No Significant Impact. Fort Wainwright, Alaska. August.
- _____. 2014. Supplemental Programmatic Environmental Assessment and Finding of No Significant Impact for Army 2020 Force Structure Realignment. June.
- U.S. Census Bureau. 2015. 2010 Census Alaska QuickFacts. Accessed at: <http://www.census.gov/quickfacts/table/PST045214/02170,02261,02290,02240,02,00>.
- _____. 2013. American Community Survey, 5-Year Estimates. Available online through the American Fact Finder. Accessed at: <http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>.
- _____. 2010. Decennial Census. SF 1, 100% Data. Available online through the American Fact Finder. Accessed at: <http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>.
- _____. 2000. Decennial Census. SF 1, 100% Data. Available online through the American Fact Finder. Accessed at: <http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>.
- U.S. Department of Agriculture (USDA). 2014. Wildlife Hazard Management Program at Eielson Air Force Base, 2014 Report. U.S. Department of Agriculture, Animal and Plant Health Inspection Service, Wildlife Services. Palmer, Alaska. Undated.
- U.S. Department of the Navy (U.S. Navy). 2014. Gulf of Alaska Training Activities Draft Supplemental Environmental Impact Statement/Overseas Environmental Impact Statement. U.S. Pacific Fleet. Honolulu, Hawaii. Accessed at: <http://goaeis.com/Documents/SupplementalEISOEISDocumentsandReferences.aspx>. Accessed August 2015.
- _____. 2011a. Gulf of Alaska Navy Training Activities Final Environmental Impact Statement/Overseas Environmental Impact Statement. U.S. Pacific Fleet. Honolulu, Hawaii. August. Accessed at: <http://goaeis.com/Documents/SupplementalEISOEISDocumentsandReferences.aspx>. Accessed March 2015.
- _____. 2011b. Gulf of Alaska Navy Training Activities Record of Decision. U.S. Pacific Fleet. Honolulu, Hawaii. Accessed at: <http://goaeis.com/Documents/SupplementalEISOEISDocumentsandReferences.aspx>. Accessed May 2015.
- U.S. Environmental Protection Agency (USEPA). 2015. National Ambient Air Quality Standards. Accessed at: <http://www.epa.gov/air/criteria.html>. Accessed July 2015.
- _____. 2014. What is RCRA Hazardous Waste? Accessed at: <http://waste.supportportal.com/link/portal/23002/23023/Article/22091/What-is-a-RCRA-hazardous-waste>. Accessed April 2015.
- _____. 2012. Environmental Justice. Accessed at: <http://www.epa.gov/compliance/environmentaljustice/index.html>.
- _____. 2011. The 2011 National Emissions Inventory. EPA Technology Transfer Network, Clearinghouse for Inventories and Emissions Factors. Accessed at: <http://www.epa.gov/ttn/chief/net/2011inventory.html>.

- _____. 2010. Air and Radiation. National Ambient Air Quality Standards. Accessed at: <http://www3.epa.gov/ttn/naaqs/criteria.html>.
- _____. 1999. Regional Haze Regulations; Final Rule. *Federal Register*. Volume 64, Number 126. 1 July.
- U.S. Fish and Wildlife Service (USFWS). 2014. Alaska Region USFWS Listed and Candidate Species, Species under Review, or Previously Reviewed. Accessed at: www.fws.gov/alaska/fisheries/endangered/species.htm. Accessed on 17 April 2015.
- _____. 2012. Alaska Region Species Profile – Eskimo Curlew. Accessed at: www.fws.gov/alaska/fisheries/endangered/species/eskimo%20curlew.htm. Accessed on 25 April 2015.
- U.S. Geological Survey. 2010. Water Use Data for Alaska. Accessed at: nwis.waterdata.usgs.gov/ak/nwis/. Accessed on 15 May 2015.
- U.S. Global Change Research Program. 2014. Regional Highlights from the Third National Climate Assessment: Climate Change Impacts in Alaska.
- Weisenberger, M.E., P.R. Krausman, M.C. Wallace, D.W. DeYoung, and O.E. Maughan. 1996. *Effects of Simulated Jet Aircraft Noise on Heart Rate and Behavior of Desert Ungulates*. *Journal of Wildlife Management*. Volume 60, pages 52-61.
- Workman, G.W., T.D. Bunch, J.W. Call, R.C. Evans, L.S. Neilson, and E.M. Rawlings. 1992. Sonic Boom/Animal Disturbance Studies on Pronghorn Antelope, Rocky Mountain Elk, and Bighorn Sheep.
- Wright, M., A. Luers, R. Darwin, J. Scheffey, H. Bowman, R. Davidson, and E. Gogley. 2003. Composite Materials in Aircraft Mishaps Involving Fire: A Literature Review. June.