# CHAPTER 6.0 REFERENCES

# References

- Adams, K., 2012, Status of the Benthic Macroinvertebrate Community in the Wenatchee River, 2010, Washington State Department of Ecology, Environmental Assessment Program, Olympia, WA, February 2012, Website available at https://fortress.wa.gov/ecy/publications/summarypages/1203016.html.
- American Community Survey, 2014, American Community Survey Data, Website accessed on October 28, 2016, https://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml.
- American Whitewater, 2017, online at https://www.americanwhitewater.org.
- Ames, K.M., D.E. Dumond, J. Galm, and R. Minor, 1998, Prehistory of the Southern Plateau, in Handbook of North American Indians, Volume 12, Plateau, ed. D. E. Walker, pp. 103-119, Smithsonian Institution, Washington, D.C.
- Ames, K.M., and H.D.G. Maschner, 1999, Peoples of the Northwest Coast, Thames and Hudson, London.
- Anchor Environmental, LLC, 2007, Needs and Alternatives Analysis, Icicle Creek Subbasin Storage Study, March 2007.
- Anchor QEA, 2011, Water Storage Report Wenatchee River Basin, prepared for Chelan County Natural Resources Department, February 2011.
- Anchor QEA, 2012, Appraisal Study: Peshastin Irrigation District Pump Exchange Project, December 2012.
- Anchor QEA, 2015, Icicle and Peshastin Irrigation Districts Pump Exchange Summary of Additional Analyses, March 27, 2015.
- Anchor QEA, 2015b, Leavenworth National Fish Hatchery Pump Back Preliminary Assessment, March 18, 2015.
- Anchor QEA, 2015c, Alternatives Evaluation Study Public release Version Cascade Orchards Irrigation Company.
- Anchor QEA, 2015d, Leavenworth National Fish Hatchery Effluent Pump Back Preliminary Assessment.
- Anchor QEA, 2015e, Icicle and Peshastin Irrigation Districts Pump Exchange, Summary of Potential Operations and Maintenance Funding Strategies
- Anchor QEA, 2015f, Leavenworth National Fish Hatchery Tribal Fishery Analysis, Draft

- Anchor QEA, 2018, Icicle and Peshastin Irrigation Districts Comprehensive Water Conservation Plan. Prepared for Icicle and Peshastin Irrigation District under the direction of Trout Unlimited, August 2018.
- Anchor QEA and Aspect Consulting, LCC, 2015, Appraisal Study: Eightmile Lake Storage Restoration, Prepared for Chelan County Natural Resources Department, March 2015.
- Anchor QEA, Aspect Consulting, LLC, and Washington Water Trust, 2015, Alternatives Evaluation Study Public Release Version, Cascade Orchards Irrigation Company, December 2015.
- Anglin, D.R., J.J. Skalicky, D. Hines, and N. Jones, 2013, Icicle Creek Fish Passage Evaluation for The Leavenworth National Fish Hatchery, U.S. Fish and Wildlife Service, Columbia River Fisheries Program Office, Vancouver, WA.
- Aspect Consulting, LLC (Aspect), 2013, Wenatchee Reserve Account Review, Chelan County Natural Resources Department.
- Aspect, 2013b, Wenatchee Reserve Alternatives: Follow-up to December 9, 2013 Meeting.
- Aspect, 2014, Bathymetry and Topographic Survey of Upper Klonaqua Lake and Conceptual Release Options draft memorandum, November 18, 2014.
- Aspect, 2014b, Icicle Creek Conservation Plan Survey, November 20, 2014.
- Aspect, 2014c, Upper Klonaqua Lake Conceptual Review.
- Aspect, 2016, Leavenworth National Fish Hatchery Water Supply Action Plan, April 22, 2016.
- Aspect, 2017, Icicle Creek Flow Augmentation Pilot Study and Alpine Lakes Automation Feasibility Study.
- Aspect and Anchor QEA, 2015, Appraisal Study: Alpine Lake Optimization and Automation, March 20, 2015.
- Bakun, W.H., R.A. Haugerud, M.G. Hopper, and R.S. Ludwin, 2002, The December 1872 Washington State Earthquake, Bulletin of the Seismological Society of America, Vol. 92, No. 8, pp. 3239–3258, December 2002.
- Beals, T. and R. Lampman, 2016, Distribution and Occupancy of Pacific Lamprey in Six Major Columbia River Subbasins within the Yakama Nation Ceded Lands: Summary from 2009-2015 Surveys, Report to the Bonneville Power Administration, March 2016.

- Beals, T. and R. Lampman, 2016b, Summary of Pacific Lamprey Salvage Efforts from Dryden Diversion Maintenance Operations (Wenatchee River, Dryden, WA), Report to the Bonneville Power Administration, March 2016.
- Beidl, J., 2010, Icicle Road Relocation Project Section 106 Compliance Form, Report on file at DAHP, Olympia, Washington.
- Bentley, J., 2010, Hiking Washington's History, University of Washington Press, Seattle.
- Bundy, B., 2017, Draft Cultural Resources Discipline Report, Prepared for Chelan County Natural Resources Department, January 2017.
- Burtchard, G.C., 2007, Holocene Subsistence and Settlement Patterns: Mount Rainier and the Montane Pacific Northwest, Archaeology in Washington 13: 3-44.
- Capellini, M. M. J., 2001, Movements of bull trout (Salvelinus confluentus), spring Chinook (Oncorhynchus tshawytcscha), and steelhead (O. mykiss) in Icicle Creek, Washington, July 7, 2001.
- Chapman, D. 1989, Summer and Winter Ecology of Juvenile Chinook Salmon and Steelhead Trout in the Wenatchee River, Washington, Chelan County PUD, Washington.
- Chatters, J., and D. Pokotylo, 1998, Prehistory: Introduction, in Handbook of North American Indians, Volume 12, Plateau, ed. D. E. Walker, pp. 73-80, Smithsonian Institution, Washington D.C.
- Chelan County, 1975, Shoreline Master Program.
- Chelan County, 1979, Shoreline Master Program, Revised 1979.
- Chelan County, 2009, Shoreline Inventory and Analysis.
- Chelan County, 2010, Draft Shoreline Master Program.
- Chelan County, 2014, Icicle Strategy SEPA Checklist.
- Chelan County, 2014b, Resolution No. 2014-116, http://www.co.chelan.wa.us/files/public-works/documents/2014-116.pdf.
- Chelan County, 2016, Chelan County GIS, Website accessed on Accessed October 27, 2016, http://maps.co.chelan.wa.us/chelancountyGIS/.
- Chelan County, Icicle Creek Work Group Operating Procedures, online at: http://www.co.chelan.wa.us/files/naturalresources/documents/Planning/icicle\_work\_group/FINAL%20IWG%20Operating %20Procedures%202016.pdf.

- Chelan County, Icicle Creek Instream Flow Committee, online at: http://www.co.chelan.wa.us/natural-resources/pages/icicle-creek-instream-flow-committee.
- Chelan County Code, Chapter 7.35, Noise Control, Chelan County, Washington.
- Chelan County Code, Chapter 11.86, Geologically Hazardous Overlay District (GHOD), Chelan County, Washington.
- Chelan County Natural Resources Department and Washington State Department of Ecology Office of the Columbia River, 2016, Basin Study Proposal, Icicle Creek Subbasin, Washington: 2016 Bureau of Reclamation WaterSMART, June 22, 2016.
- Cheney, E.S., 2007, The Chiwaukum Structural Low on the Eastern Flank of the Cascade Range, Northwest Geological Society Society Field Trips in Pacific Northwest Geology; September 22-23, 2007 field trip guidebook published by the Northwest Geological Society.
- City of Leavenworth, 2013, https://www.codepublishing.com/WA/Leavenworth/html/Leavenworth13/Leavenworth1390.html.
- City of Wenatchee, 2014, Shoreline Master Program, October 31, 2014.
- Climate Impacts Group (CIG), 2009, The Washington Climate Change Impacts Assessment: Evaluating Washington's Future in a Changing Climate, June 2009.
- CIG, 2004, Physical Geography and Mean PNW Climate of the Twentieth Century, Accessed March 3, 2017, http://www.cses.washington.edu/pnwimpacts/CDTheme.htm.
- Cooper, M. 2006. Fish Production Review of the Leavenworth National Fish Hatchery Complex, 2005. U.S. Fish and Wildlife Service, Mid-Columbia River Fishery Resource Office, Leavenworth, WA.
- Columbia River Data Access in Real Time (DART), 2016, Website accessed October 26, 2016, http://www.cbr.washington.edu/dart/query/adult\_annual\_sum.
- Confederated Tribes and Bands of the Yakama Nation, 2009, Title XXXII (32) Fisheries Code, Revised April 15, 2009.
- Confederated Tribes and Bands of the Yakama Nation and U.S. Government, 1855, Yakama Nation Treaty of 1855, June 9, 1855, 12 Stat., 951, Ratified March 8 1859, Proclaimed April 18, 1859.
- Confederated Tribes of the Colville Reservation (CTCR), 2011, Colville Tribal Member Salmon and Steelhead Fishing Regulations, Resolution No. 2011-260.

- CTCR, 2016, Memorandum from M. Rayton to R. Freidlander, and Kirk Truscott, Icicle Creek Provisional Creel Monitoring Summary; May 13 to July 3, 2016.
- Council on Environmental Quality, 1997, Considering Cumulative Effects Under the National Environmental Policy Act, January 1997.
- Denthier, D.P., P.L. Heller, and S.A. Safioles, 1979, Reconnaissance Data on Lakes in the Alpine Lakes Wilderness Area, Washington, U.S. Geological Survey Water Resources Investigation Open-File Report 79-1465, 201 pp.
- Dion, N.P., G.C. Bortleson, J.B. McConnell, and L.M. Nelson, 1976, ReconnaissanceData on Lakes in Washington, Volume 5: Chelan, Ferry, Kittitas, Klickitat,Okanogan, and Yakima Counties. U.S. Geological Survey Water Supply Bulletin 43, Vol. 5.
- Dominguez, L., P. Powers, E. S. Toth, and S. Blanton, 2013, Icicle Creek, Boulder Field Fish Passage Assessment, Prepared for Trout Unlimited-Washington Water Project, Wenatchee, WA.
- Dragovich, J.D., R.L. Logan, H.W. Schasse, T.J. Walsh, W.S. Lingley Jr., D.K. Norman, W.J. Gerstel, T.J. Lapen, J.E. Schuster, and K.D. Meyers, 2002, Geologic map of Washington--Northwest quadrant: Washington Division of Geology and Earth Resources Geologic Map GM-50.
- EcoAssets and Trout Unlimited, 2013, Icicle Creek Boulder Field Fish Passage Assessment.
- Federal Highway Administration, 2006, Construction Noise Handbook; FHWA-HEP-06-015, U.S. Department of Transportation Research and Innovative Technology Administration, John A. Volpe National Transportation Systems Center, Environmental Measurement and Modeling Division, Acoustics Facility, Prepared for U.S. Department of Transportation Federal Highway Administration, Office of Natural and Human Environment, August 2006.
- Forsgren Associates, Inc. and Trout Unlimited, 2014, Icicle Irrigation District Instream Flow Improvement Options Analysis Study, July 22, 2014.
- Franklin, J.F., and C.T. Dyrness, 1973, Natural Vegetation of Oregon and Washington, United States Department of Agriculture, Forest Service, General Technical Report PNW-8.
- Fraser, G.S., 2014, Summary of Icicle Creek Temperature Monitoring, 2014, U.S. Fish and Wildlife Service, Leavenworth WA.
- Fraser, G.S., 2015, Summary of Icicle Creek Temperature Monitoring, 2015, U.S. Fish and Wildlife Service, Leavenworth WA.

- Galbreath, P.F., M.A. Bisbee Jr., D.W. Dompier, C.M. Kamphaus, and T.H. Newsome 2014, Extirpation and Tribal Reintroduction of Coho Salmon to the Interior Columbia River Basin, Fisheries, 39:77-87.
- Gayeski, 2015, Genetic population structure of rainbow trout in upper Icicle Creek, Wild Fish Conservancy, Presentation to the Icicle Work Group, March 6, 2015.
- Gilliom, R.J., D.P. Dethier, S.A. Safioles, and P.L. Heller, 1980, Preliminary Evaluation of Lake Susceptibility to Water-Quality Degradation by Recreational Use, Alpine Lakes Wilderness Area, Washington, U.S. Geological Survey Water Resources Investigation Open-File Report 80-1124.
- Golder Associates, 2005, WRIA 45 Summary of Groundwater/Surface Water Interaction and Groundwater Resource References.
- Grabert, G.F., 1968, North-Central Washington Prehistory, Department of Anthropology, University of Washington, Reports in Archaeology 1, Seattle, Washington.
- Granger, R., 2017, Cascade Orchards Irrigation Company Proposed Pump Station, Prepared for Washington Water Trust, January 12, 2017.
- Gresens, R.L., 1983, Geology of the Wenatchee and Monitor Quadrangles, Chelan and Douglas Counties, Washington. Washington Department of Natural Resources, Division of Geology and Earth Resources. Bulletin 75. 1983.
- Griffith, J. S., 1988, Review of competition between cutthroat trout and other salmonids, in R.E. Gresswell, Status and Management of Interior Stocks of Cutthroat Trout, American Fisheries Society Symposium, 4:140.
- Grubb, M.L. (Icicle Peshastin Irrigation District), 2016, Personal communication by phone with Barbara Bundy, Anchor QEA, LLC, on October 24, 2016.
- Hall, M., 2012, Spring Chinook Salmon Passage at the Leavenworth National Fish Hatchery, 2012, U.S. Fish and Wildlife Service, Leavenworth, WA.
- Hall, M., 2013, Summary of Icicle Creek Temperature Monitoring, 2012. U.S. Fish and Wildlife Service, Leavenworth, WA.
- Hall, M., 2013b, Summary of Icicle Creek Temperature Monitoring, 2013. U.S. Fish and Wildlife Service, Leavenworth, WA.
- Hall, M, W. Gale, and M. Cappellini, 2014, Steelhead Use of Icicle Creek: A Review, U.S. Fish and Wildlife Service, Leavenworth, WA.
- Hall, M., and K. Henry, 2012. Summary of Icicle Creek Temperature Monitoring, 2011. U.S. Fish and Wildlife Service, Leavenworth, WA.
- Hall, M., and B. Kelly-Ringel, 2011, Summary of Icicle Creek Temperature Monitoring, 2005-2010, U.S. Fish and Wildlife Service, Leavenworth, WA.

- Hillman, T.W., 1989, Nocturnal predation by sculpins on juvenile chinook salmon and steelhead, Final Report to Chelan County Public utility District, Wenatchee. Chapter in Chapman, D., 1989, Summer and Winter Ecology of Juvenile Chinook Salmon and Steelhead Trout in the Wenatchee River, Washington, Chelan County PUD, Washington.
- Hillman, T., M. Miller, M. Johnson, C. Moran, J. Williams, M. Tonseth, C. Willard, S. Hopkins, B. Ishida, C. Kamphaus, T. Pearsons, and P. Graf, 2016, Monitoring and evaluation of the Chelan and Grant County PUDs hatchery programs: 2015 annual report, Report to the HCP and PRCC Hatchery Committees, Wenatchee and Ephrata, Washington.
- Hobbs, W. and M. Friese, 2016, Wenatchee River PCB and DDT Source Assessment, Washington State Department of Ecology, Olympia, WA. Publication No. 16-03-029. Website accessed on October 19, 2016, https://fortress.wa.gov/ecy/publications/summarypages/1603029.html.
- Jantzer, A. (Icicle Peshastin Irrigation District), 2016, Personal communication in person with Barbara Bundy, Anchor QEA, LLC, on July 15, 2016.
- Johnsen, A., and M.C. Nelson 2012, Surveys Pacific Lamprey Distribution in Wenatchee River 2010-2011, Final, USFWS, Leavenworth, WA, Available at https://www.fws.gov/leavenworthfisheriescomplex/MidColumbiaFWCO/pdf/Surve ys%20Pacific%20Lamprey%20Distribution%20in%20Wenatchee%20River%2020 10-2011%20Final.pdf.
- Klohn Leonoff, Inc., 1993, Icicle and Peshstin Irrigation Districts Comprehensive Water Conservation Plans.
- Kraig, E. and T. Scalici, 2016, Washington State Sport Catch Report 2014, WDFW Fish Program, July, 2016, Website available at http://wdfw.wa.gov/publications/01835/.
- Landres, P., C. Barns, J.G. Dennis, T. Devine, P. Geissler, C.S. McCasland, L. Merigliano, J. Seastrand, and R. Swain. 2008. Keeping it Wild: An Interagency Strategy to Monitor Trends in Wilderness Character Across the National Wilderness Preservation System. 81 pages. USDA Forest Service, Rocky Mountain Research Station General Technical Report RMRS-GTR-212, Fort Collins, Colorado.
- Landres, P., W. Vagias, and S. Stutzman, 2012, State of Science, Using wilderness character to improve wilderness stewardship, PARKScience, National Park Service.
- Layton, D., G. Brown, and M. Plummer, Valuing Programs to Improve Multi-Species Fisheries, University of Washington, April 1999.

- Lower Columbia Fish Recovery Board (LCFRB), 2004, Lower Columbia Salmon and Steelhead Recovery and Subbasin Plan: Technical Foundation Volume III Other Species, Chapter 5 Pikeminnow, May 2004, Available from: http://www.nwcouncil.org/fw/subbasinplanning/lowerColumbia/plan/2004\_05/.
- Maitland, T., 2016, Personal communication with Dan Haller, November 16, 2016.
- Marsh, K., 2007, Drawing Lines in the Forest, Creating Wilderness Areas in the Pacific Northwest.
- McMillen Jacobs and DJ Warren and Associates, 2016, Leavenworth Fisheries Complex Planning Report, prepared for the United States Fish and Wildlife Service, August 2016.
- Mehringer, P.J., and F.F. Foit, Jr., 1990, Volcanic Ash Dating of the Clovis Cache at East Wenatchee, Washington, National Geographic Research 6(4): 495-503.
- Mierendorf, R.R., 1986, People of the North Cascades, National Park Service, Pacific Northwest Region, Seattle.
- Mierendorf, R.R., 2004, Archaeology of the Little Beaver Watershed, North Cascades National Park Service Complex, Whatcom County, Washington, Report submitted to the Skagit Environmental Endowment Commission.
- Miller, J., 1998, Middle Columbia River Salishans, in Handbook of North American Indians, Volume 12, Plateau, ed. D. E. Walker, pp. 253-270, Smithsonian Institution, Washington D.C.
- Monte, P.W, A.F. Hamlet, M.P. Clark, and D.P. Lettenmaier. 2005. Declining Mountain Snowpack in Western North America. American Meteorological Society. 86, no. 1: 39-49.
- Montgomery Water Group, Inc., 2004, Icicle Creek Target Flow Report for Leavenworth National Fish Hatchery, Chelan County Natural Resources Department.
- Montgomery Water Group, Inc., 2004b, Water Management Plan for Leavenworth National Fish Hatchery
- Montgomery Water Group, Inc., 2006, Multi-Purpose Water Storage Assessment in the Wenatchee River Watershed, Chelan County Natural Resources Department.
- Montgomery Water Group, Economic and Engineering Services, and Pacific Groundwater Group, 2003, Wenatchee River Basin Watershed Assessment, Prepared for Wenatchee Watered Planning Unit and Chelan County Natural Resources Program.

- Mosey, T., 2009, Dryden Irrigation Canal 2009 dredging operations and juvenile lamprey rescue, Public Utility District No. 1 of Chelan County, Wenatchee, WA, April 29, 2009.
- National Marine Fisheries Service, 2015, Biological Opinion for Leavenworth National Fish Hatchery.
- National Marine Fisheries Service, 2018, Biological Opinion for Leavenworth National Fish Hatchery.
- National Oceanic and Atmospheric Administration (NOAA), 1995, Peak Flows from Floods of November 28-30, 1995, online at: https://www.nwrfc.noaa.gov/floods/nov\_1995/flood\_nov\_1995.shtml.
- NOAA, 2016, 5-year Review: Summary and Evaluation of Upper Columbia River Steelhead Upper Columbia River Spring-run Chinook Salmon.
- National Park Service, Wilderness, online at https://wilderness.nps.gov/faqnew.cfm
- Natural Resources Conservation Service (NRCS), 1975, Soil Survey of Chelan Area, Washington, Parts of Chelan and Kittitas Counties, United States Department of Agriculture Soil Conservation Service, 1975.
- NRCS, 2007. Soil Survey of Cashmere Mountain Area, Washington, Part of Chelan and Okanogan Counites, United States Department of Agriculture Natural Resources Conservation Service, 2007.
- NRCS, 2016, Web Soil Survey, Website accessed in October 2016, http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm.
- NRCS, 2017, Soil Survey Geographic (SSURGO) database for Kittitas County Area, U.S. Department of Agriculture, online at: http://SoilDataMart.nrcs.usda.gov/.
- Natural Systems Design, 2017, Lower Icicle Creek Geomorphic and Hydraulic Assessment for the Identification of Protection and Restoration Actions, Chelan County.
- NatureServe, 2015, NatureServe: An Online Encyclopedia of Life, Website accessed August 24 and 25, 2015, http://explorer.natureserve.org/servlet/NatureServe?init=Species.
- NatureServe, 2016, NatureServe: An Online Encyclopedia of Life, Website accessed October 20, 2016, http://explorer.natureserve.org/servlet/NatureServe?init=Species.
- Nelson, M.C., A. Johnsen, and R.D. Nelle, 2011, Seasonal Movements of Adult Fluvial Bull Trout and Redd Surveys in Icicle Creek, 2009 Annual Report

- North Central Washington Economic Development District, online at: http://www.ncwedd.com/.
- Northwest Power and Conservation Council, 2004, Wenatchee Subbasin Plan, Prepared by Chelan County and the Yakama Nation for the NPCC, May 28, 2004.
- Noson, L.L., A. Qamar, and G.W. Thorsen, 1988. Washington State Earthquake Hazards. Washington Division of Geology and Earth Resources Information Circular 85.
- O'Brien, M., 2016, Personal communication with Kim Marcotte, September 23, 2016.
- Occupational Safety and Health Administration (OSHA), 2013, Technical Manual Chapter 5: Noise, August 15, 2013.
- Parker, S.S., 2014, Declaration of Steven S. Parker, United States District Court Eastern District of Washington, Wild Fish Conservancy v. Dave Irving.
- Parker, P.L., and T.F. King, 1998, Guidelines for Evaluating and Documenting Traditional Cultural Properties, National Register Bulletin 38, U.S. National Park Service, Washington, DC.
- Peven, C.M., 2003, Population structure, status and life histories of upper Columbia steelhead, spring and late-run chinook, sockeye, coho salmon, bull trout, westslope cutthroat trout, non-migratory rainbow trout, pacific lamprey, and sturgeon, Wenatchee, Washington.
- Pfeifer, B, M. Swayne, and B. Curtis, 2001, High Lakes Fishery Management Program, Prepared by Parametrix for WDFW, September, 2001, http://wdfw.wa.gov/publications/01131/wdfw01131.pdf.
- Plotnikoff, R. W., and S.I. Ehinger, 1997, Using Invertebrates to Assess the Quality of Washington Streams and to Describe Biological Expectations, Washington State Department of Ecology, Environmental Investigations and Laboratory Services Program, Olympia, WA, Publication No. 97-332, September 1997, https://fortress.wa.gov/ecy/publications/summarypages/97332.html.
- Riemen, Richard, Icicle Creek Watershed Council, 2017, Estimated Effects of Climate Change on Icicle Creek. Unpublished raw data.
- Ringel, B. K., 1997, Analysis of Fish Populations in Icicle Creek, Trout Creek, Jack Creek, Peshastin Creek, Ingalls Creek and Negro Creek (Etienne Creek), Washington 1994 and 1995.
- Ringel, B.K., 2007, Progress Report, Icicle Creek Water Temperatures, November 1, 2005 October 31, 2006.
- Robinson & Noble, 1989, Advance Project Plan, Well Rehabilitation, Leavenworth National Fish Hatchery.

- Rosenberg, D.M. and V.H. Resh, 1993, Introduction to freshwater biomonitoring and benthic macroinvertebrates, In D.M. Rosenberg and V.H. Resh, eds. Freshwater Biomonitoring and Benthic Macroinvertebrates, Chapman & Hall, New York, NY, pp. 1-9.
- Schalk, R.F, 1984, Prehistoric Land Use in the Montane Coniferous Forest, in Environment, Archaeology, and Land Use Patterns in the Middle Kootenai River Valley, ed. Alston V. Thoms, pp. 37-67, Center for Northwest Anthropology Project Report No. 2, Department of Anthropology, Washington State University, Pullman, Washington.
- Scott, D. W., 2002. "Untrammeled," "wilderness character," and the challenges of wilderness preservation. Wild Earth 11(3/4):72–79.
- Speulda, L., 1997, National Register of Historic Places Nomination, On file at DAHP, Olympia, Washington.
- Tabor, R.W., V.A. Frizzell, Jr., J.T. Whetten, R.B. Waitt, D.A. Swanson, G.R. Byerly,
  D.B. Booth, M.J. Heatherington, and R.E. Zartman, 1987, Geologic Map of the
  Chelan 30-Minute by 60-Minute Quadrangle, Washington, United States
  Department of the Interior Geological Survey, Miscellaneous Investigations Series
  Map 1-1661.
- Tabor, R.W., R.B. Waitt, V.A. Frizzell, Jr., D.A. Swanson, G.R. Byerly, and R.D.Bentley, 1982, Geologic Map of the Wenatchee 1:100,000 Quadrangle, Central Washington, United States Department of the Interior Geological Survey, Miscellaneous Investigations Series Map 1-13311.
- The Watershed Company, 2005, Lower Icicle Creek Habitat Assessment.
- The Watershed Company, 2005b, Lower Icicle Creek Reach Level Assessment.
- The Watershed Company and ICF International, 2009, Draft Shoreline Inventory and Analysis Report for Shorelines in Chelan County and Cities of Cashmere, Chelan, Entiat, Leavenworth, and Wenatchee, Prepared for Chelan County, March 3, 2009.
- The Watershed Company and ICF International, 2010, Final Shoreline Restoration Plan for Shorelines in Chelan County and Cities of Cashmere, Chelan, Entiat, Leavenworth, and Wenatchee, Prepared for Chelan County, May 10, 2010.
- Tohver, I., 2016, Impacts of Climate Change in the Columbia Basina and Implications for Recovery of Aquatic Habitats, Presentation at the Upper Columbia Science Conference, Wenatchee, Washington, January 28, 2016.
- Uehara, J., 2005, Management of Washington's High Lakes, Washington Department of Fish and Wildlife, Fish Program, December 2005.

- Upper Columbia Salmon Recovery Board, 2007, Upper Columbia Spring Chinook and Steelhead Recovery Plan.
- Upper Columbia Salmon Recovery Board, 2014, A Biological Strategy to Protect and Restore Salmonid Habitat in the Upper Columbia Region.
- U.S. Army Corps of Engineers, 1985, Instream Flow Study Report for Icicle Creek.
- U.S. Bureau of Reclamation (USBR), 2005, Instream Flow Assessment of Icicle Creek, Washington.
- USBR, 2010, Groundwater Conditions at the Leavenworth National Fish Hatchery, Leavenworth, Washington.
- USBR, 2010b, Brief History of the Bureau of Reclamation, Website accessed in October 2016, http://www.usbr.gov/history/2011NEWBRIEFHISTORY.pdf.
- USBR, 2012, Leavenworth National Fish Hatchery Final Value Analysis.
- USBR, 2014, Leavenworth National Fish Hatchery Icicle Creek Rapid Geomorphic Assessment.
- USBR, 2014b, Leavenworth National Fish Hatchery Groundwater Model Update Technical Memorandum.
- USBR, 2018, Snow Lake Water Control Structure FONSI and EA.
- U.S. Census Bureau, 2015, Community Survey data.
- U.S. Congress, 1976, Alpine Lakes Area Management Act of 1976, Public Law 94-357.
- U.S. Department of Agriculture (USDA), 2012, 2012 Census of Agriculture, Fact Sheet, National Agricultural Statistics Service.
- USDA, 2014, Climate Change Vulnerability and Adaptation in the North Cascades Region.
- U.S. Department of the Interior (DOI), 1984, Manual 8400 Visual Resource Management, Department of the Interior, Bureau of Land Management, Washington D.C. 20240, April 5, 1984.
- DOI, 1995, Departmental Manual, Series: Intergovernmental Relations, Part 512.2: American Indian and Alaska Native Programs, Chapter 2: Departmental Responsibilities for Indian Trust Resources, December 1, 1995.
- DOI, 2000, Principles of the Discharge of the Secretary's Trust Responsibility, Order No. 3215, Signature date April 28, 2000.
- U.S. Department of Transportation, 2015, Guidelines for the Visual Impact Assessment of Highway Projects.

- U.S. Environmental Protection Agency (EPA), 1978, Protective Noise Levels; Condensed Version of EPA Levels Document, November.
- EPA, 1986, Quality Criteria for Water 1986, Office of Water Regulations and Standards, Washington, D.C. EPA 440/5-86-001, May, 395 pp.
- EPA, 2010, Washington State Ambient Air Quality Standards.
- EPA, 2016, Summary of Noise Control Act, Website accessed on October 25, 2016, https://www.epa.gov/laws-regulations/summary-noise-control-act.
- U.S. Fish and Wildlife Service (USFWS), 1998, Endangered and threatened wildlife and plants; Determination of threatened status for the Klamath River and Columbia River Distinct Population Segments of Bull Trout, Federal Register 63:31647-31674, June 10, 1998.
- USFWS, 2006, Biological Assessment for Operation and Maintenance of Leavenworth National Fish Hatchery.
- USFWS, 2009, Snorkel survey results for adult spring Chinook Salmon and Bull Trout in Icicle Creek, Memorandum to files, from FRO Hatchery Staff, USFWS, Mid-Columbia Fish and Wildlife Conservation Office, Leavenworth, WA.
- USFWS, 2009b, Leavenworth National Fish Hatchery, Proposed Flow Management Operations for 2009-2014.
- USFWS, 2010, Best Management Practices to Minimize Adverse Impacts to Pacific Lamprey (Entosphenus tridentatus), April 2010.
- USFWS, 2012, Leavenworth National Fish Hatchery, National Pollutant Discharge Elimination System Discharge Monitoring Reports
- USFWS, 2013, Icicle Creek Fish Passage Evaluation for The Leavenworth National Fish Hatchery.
- USFWS, 2013b, Icicle Creek Instream Flow and Fish Habitat Analysis for the Leavenworth National Fish Hatchery.
- USFWS, 2014, The Alpine Lakes: Water from the Mountains, Website accessed in October 2016, https://www.fws.gov/leavenworthfisheriescomplex/LeavenworthNFH/AlpineLakes. cfm#AlpineLakes.
- USFWS, 2015, Bull Trout Recovery Plan.
- USFWS, 2015b, Mid-Columbia Recovery Unit Implementation Plan for Bull Trout (Salvelinus Confluentus), Oregon Fish and Wildlife Office, USFWS, Portland Oregon, Website available at https://ecos.fws.gov/docs/recovery\_plan/Final\_Mid\_Columbia\_RUIP\_092915.pdf.

- USFWS, 2016, Leavenworth Fisheries Complex Planning Report.
- USFWS, 2016b, Snorkel survey results for adult spring Chinook Salmon and Bull Trout in Icicle Creek, 2016, Memorandum to interested parties, from Hayley Potter, USFWS, Mid-Columbia Fish and Wildlife Conservation Office, Leavenworth, WA.
- USFWS, 2016c, Assessing Fish Passage at Leavenworth National Fish Hatchery using DIDSON Sonar, Memorandum from Hayley Potter to interested parties, May 5, 2016.
- USFWS, 2016d, U.S. Fish and Wildlife Service Wetlands Mapper for National Wetlands Inventory (NWI) Map Information, Website accessed on July 7, 2016, http://wetlandsfws.er.usgs.gov.
- USFWS, 2016e, USFWS IPAC Endangered Species Information for Planning and Conservation, Website accessed on July 7, 2016, http://ecos.fws.gov/ipac/.
- USFWS, 2016f, Listed and Proposed Endangered and Threatened Species and Critical Habitat; Candidate Species; and Species of Concern in Chelan County as Prepared by the U.S. Fish and Wildlife Service Central Washington Field Office, Revised August 1, 2011, Website accessed on July 7, 2016, https://www.fws.gov/wafwo/pdf/ChelanCounty080111.pdf.
- U.S. Forest Service (USFS), 1979, Alpine Lakes Area Acquisitions, Final Environmental Statement.
- USFS, 1981, Alpine Lakes Area Land Management Plan.
- USFS, 1996, Landscape Aesthetics: A Handbook for Scenery Management, Agriculture Handbook Number 701, December 1995.
- USFS, 2003, Forest Service Manual: FSM-2300 Recreation Wilderness, and Related Resource Management: Landscape Management, May 2, 2003.
- USFS, 2012, Alpine Lakes Air Quality Report.
- USFS, 2013, Visibility Data Summary: Alpine Lakes Wilderness, WA, June.
- USFS, 2016, Alpine Lakes Wilderness Web Site, accessed on July 7, 2016, http://www.wilderness.net/index.cfm?fuse=NWPS&sec=wildView&WID=8.
- USFS, 2016b, A Brief History of the Okanogan-Wenatchee National Forest, Website accessed in December 2016, https://www.fs.usda.gov/detail/okawen/about-forest/?cid=fsbdev3\_053644
- USFS, 2017, An Enduring Resource: Wilderness Brochure, Website accessed on March 17, 2017, https://www.fs.usda.gov/Internet/FSE\_DOCUMENTS/stelprdb5407053.pdf.

- USFS, 2017b, Alpine Lakes Wilderness: Okanogan-Wenatchee Web Site, https://www.fs.usda.gov/recarea/okawen/recarea/?recid=79432.
- Vannote, Robin L., G. Wayne Minshall, Kenneth W. Cummins, James R. Sedell, and Colbert E. Cushing, 1980, The River Continuum Concept, Canadian Journal of Fisheries and Aquatic Sciences 37(1): 130-37.
- Varela & Associates, Inc., 2011, City of Leavenworth, Water System Plan.
- Varela & Associates, Inc., 2018, City of Leavenworth, Water System Plan.
- Walker, D.E., 1998, Introduction, in Handbook of North American Indians, Volume 12, Plateau, ed. D. E. Walker, pp. 1-7, Smithsonian Institution, Washington, D.C.
- Walker, D.E., and R. Sprague, 1998, History until 1846, in Handbook of North American Indians, Volume 12, Plateau, ed. D. E. Walker, pp. 138-148, Smithsonian Institution, Washington, D.C.
- Washington Department of Ecology (Ecology), 1982, Wenatchee River Basin Instream Resource Protection Program (IRPP), Including Proposed Administrative Rules (WAC 173-545) and Supplemental EIS, WIRPP Series #26, December, 1982, Reprinted July, 1983.
- Ecology, 1995, Initial Watershed Assessment Water Resources Inventory Area 45 Wenatchee River Watershed.
- Ecology, 2007, Groundwater Data Summary for the Wenatchee River Watershed Total Maximum Daily Load Study.
- Ecology, 2007b, Wenatchee River Watershed (WRIA 45) Fecal Coliform Bacterial Total Maximum Daily Load: Water Quality Improvement Report, Publication No. 07-10-009, March, Website accessed on October 28, 2016, https://fortress.wa.gov/ecy/publications/documents/0710009.pdf.
- Ecology, 2007c, Wenatchee River Watershed Temperature Total Maximum Daily Load: Water Quality Improvement Report, Publication Number 07-10-045, July, Website accessed on October 28, 2016, https://fortress.wa.gov/ecy/publications/documents/0710045.pdf.
- Ecology, 2007d, Mission Creek Watershed DDT Total Maximum Daily Load: Water Quality Improvement Report, Publication Number 07-10-046, July, Website accessed on October 28, 2016, https://fortress.wa.gov/ecy/publications/documents/0710046.pdf.

- Ecology, 2009, Wenatchee River Watershed Dissolved Oxygen and pH Total Maximum Daily Load: Water Quality Improvement Report Revised, Publication Number 08-10-062, August, Website accessed on October 28, 2016, https://fortress.wa.gov/ecy/publications/documents/0810062.pdf.
- Ecology, 2010, Regional Haze, State Implementation Plan, Publication No 10-02-041, December.
- Ecology, 2011, Guidance for Processing and Managing Trust Water Rights, GUID-1210.
- Ecology, 2012, Water Quality Standards for the Surface Waters of the State of Washington, Chapter 173-201A WAC, Amended May 9, 2011, Revised January 2012, Publication Number 06-10-091, Website accessed on October 19, 2016, https://fortress.wa.gov/ecy/publications/documents/0610091.pdf.
- Ecology, 2012b, Addendum to Wenatchee River Watershed Dissolved Oxygen and pH Total Maximum Daily Load, WRIA 45, Publication Number 08-10-062Addendum1, March, Website accessed on October 28, 2016, https://fortress.wa.gov/ecy/publications/documents/0810062addendum1.pdf.
- Ecology, 2015, Washington State Implementation Plan Revisions, Interstate Transport of Fine Particulate Matter Addressing requirements for the 2006 24-hour National Ambient Air Quality Standard, March.
- Ecology, 2016, 2016 Columbia River Basin Long-Term Water Supply and Demand Forecast.
- Ecology, 2016b, Water Quality: Total Maximum Daily Load. Website accessed on October 25, 2016. http://www.ecy.wa.gov/programs/wq/tmdl/tmdlstrategy.html.
- Ecology, 2016c, Water Quality: Currently EPA Approved Assessment, Website accessed on October 26, 2016, http://www.ecy.wa.gov/programs/Wq/303d/currentassessmt.html.
- Ecology, 2016d. Water Quality Improvement Projects (TMDLs) WRIA 45: Wenatchee, Website accessed November 15, 2016, http://www.ecy.wa.gov/programs/wq/tmdl/TMDLsbyWria/tmdl-wria45.html.
- Ecology, 2016e, Washington State Lakes Environmental Data, Website accessed on October 25, 2016, https://fortress.wa.gov/ecy/coastalatlas/tools/LakeDetail.aspx.
- Ecology, 2016f, Water Quality Assessment Categories, Website accessed on October 26, 2016, http://www.ecy.wa.gov/programs/wq/303d/WQAssessmentCats.html.

- Ecology 2016g, Water Quality Permitting and Reporting Information System (PARIS) Facility Summary: Leavenworth Water Treatment Plant, Website accessed on October 28, 2016, https://fortress.wa.gov/ecy/wqreports/public/f?p=110:1000:2942523915020897::1
  - https://fortress.wa.gov/ecy/wqreports/public/f?p=110:1000:2942523915020897::N O:RP:P1000\_FACILITY\_ID,P1000\_FACILITY\_NAME:17477858,LEAVENWO RTH%20WATER%20TREATMENT%20PLANT.
- Ecology, 2016h, Washington State Water Quality Assessment 303(d)/305(b) List Listing ID: 5790, Website accessed on October 31, 2016, https://fortress.wa.gov/ecy/approvedwqa/ApprovedSearch.aspx?LISTING\_ID=579 0.
- Ecology, 2016i, 2016 Ambient Air Monitoring Network Report, Publication No. 16-02-001, May.
- Ecology, 2016j, Maintenance Areas, Available from: http://www.ecy.wa.gov/programs/air/sips/designations/maintenance\_areas.htm. Accessed October 25, 2016.
- Ecology, 2016k, Status of Shoreline Master Plan Programs, Website accessed on October 28, 2016, http://www.ecy.wa.gov/programs/sea/shorelines/smp/status.html#W.
- Ecology, Laws & Rules, Noise Pollution, online at: http://www.ecy.wa.gov/laws-rules/noise.html.
- Ecology, Office of Columbia River Overview, online at: http://www.ecy.wa.gov/programs/wr/cwp/cr\_overview.html.
- Ecology, Water Quality, Water Quality Assessment and 303(d) List, online at: http://www.ecy.wa.gov/programs/Wq/303d/index.html.
- Ecology, Water Resources Explorer, online at: https://fortress.wa.gov/ecy/waterresources/map/WaterResourcesExplorer.aspx.
- Ecology and Anchor QEA, 2010, Draft Feasibility Study, Campbell Creek Reservoir.
- Washington Department of Fish & Wildlife (WDFW), 2008, Priority Habitat and Species List, Updated June 2016, Olympia, WA, 177 pp. http://wdfw.wa.gov/publications/00165/wdfw00165.pdf.
- WDFW, 2009, PHS County Distribution List, Website accessed on July 7, 2016, http://wdfw.wa.gov/hab/phslist.htm.
- WDFW, 2010, Spring Chinook Adult Management in the Wenatchee River Basin Addendum to the Wenatchee River Hatchery Genetic Management Plans, October 19, 2010.

- WDFW, 2016, Trout Fishing in Washington's High Elevation Lakes, Website accessed October 26, 2016, http://wdfw.wa.gov/fishing/washington/highlakes/, Updated June 2014.
- WDFW, 2016b, SCoRE Interactive Map, Website accessed October 26, 2016, https://fortress.wa.gov/dfw/score/score/maps/map\_details.jsp?geocode=wria&geoar ea=WRIA45\_Wenatchee.
- WDFW, 2016c, Sockeye (Red) Salmon, Website accessed 10/26/16, http://wdfw.wa.gov/fishing/salmon/sockeye/columbia\_river.html, (No date provided on website contents).
- WDFW, 2016d, WDFW PHS online, Website accessed on July 7, 2016, http://wdfw.wa.gov/mapping/phs/.Bbroa.
- WDFW, 2016e, Sport Fishing Rules Pamphlet Corrections and Updates, July 1, 2016 through June 30, 2017. Online at <a href="http://wdfw.wa.gov/publications/01818/wdfw01818.pdf">http://wdfw.wa.gov/publications/01818/wdfw01818.pdf</a>.
- WDFW, 2016f, Interim Progress Report 11-26-16, unknown author(s), unknown project name (to title on the document), Emailed from Jeremy Cram, WDFW to Mary Jo Sanborn, Chelan County on January 23, 2017.
- Washington Department of Natural Resources (WDNR), 2008, Cascadia Deep Earthquake, Washington Division of Geology and Earth Resources Open File Report, 2008-1.
- WDNR, 2017, Division of Geology and Earth Resources, Washington Interactive Geologic Map, online at: http://www.dnr.wa.gov/geologyportal.
- Washington Employment Security Department, 2015. Chelan and Douglas County Profiles, Online at: https://fortress.wa.gov/esd/employmentdata/reports-publications/regional-reports/county-profiles/chelan-and-douglas-counties-profile. Accessed October 30, 2016.
- Washington State Legislature, 2008, Chapter 173-160 WAC, Minimum Standards for Construction and Maintenance of Wells.
- Washington State Legislature, 2008, Chapter 173-545 WAC, Instream Resources Protection Program – Wenatchee River Basin, WRIA 45, Adopted January 12, 2008.
- Washington State Legislature, 2012, Chapter 173-400-110 WAC, New source review (NSR) for sources and portable sources.
- Washington State Office of Financial Management, 2015, Estimates of April 1 population by age, sex, race, and Hispanic origin, Website accessed on October 28, 2016, http://www.ofm.wa.gov/pop/asr/default.asp.

- Washington State Office of Financial Management, online at: http://www.ofm.wa.gov/localdata/chel.asp.
- Washington State University, 2016, Columbia Basin Supply and Demand Forecast, Prepared for Washington State Department of Ecology, December 2016.
- Waters, T.F., 1982, Annual Production by a Stream Brook Charr Population and by its Principal Invertebrate Food, Environmental Biology of Fishes 7(2): 165-170.
- Wenatchee River Watershed Steering Committee, 1998, Wenatchee River Watershed Action Plan.
- Wenatchee Watershed Planning Unit, 2006, Phase III Wenatchee Watershed Management Plan, April 2006.
- Wenatchee World. Jun 20, 2015. Record Low Flows in the Wenatchee River. Accessed April 25, 2017 from: http://www.wenatcheeworld.com/news/2015/jun/20/record-low-flows-in-wenatchee-river/.
- Wilma, D., 2006, Chelan County Thumbnail History, Website accessed in October 2016, http://www.historylink.org/File/7624.
- Wilzbach, M.A., K.W. Cummins, and J.D. Hall, 1986, Influence of Habitat Manipulations on Interactions Between Cutthroat Trout and Invertebrate Drift, Ecology, 67(4): 898–911.
- WRIA 45 Planning Unit, 2006, Wenatchee Watershed Management Plan, Publication number 043-1284.203.
- Wurster, F., 2006, The Management Recommendations for Reservoir Releases from Upper Snow Lake: Leavenworth National Fish Hatchery.
- WW Wheeler and Associates, 2009, Safety Evaluation of Existing Dams (SEED) Inspection.
- Wydoski, R.S., and R.R. Whitney, 2003, Inland fishes of Washington, Second edition, revised and expanded, Bethesda: American Fisheries Society in association with the University of Washington Press.
- Yakama Nation, 2016, Tribal History, Website accessed in October 2016, http://www.yakamanation-nsn.gov/history3.php.