

References

- Abatzoglou, J. T., D.E. Rupp, and P.W. Mote. 2014. Seasonal climate variability and change in the Pacific Northwest of the United States. *Journal of Climate*, 27(5), 2125-2142.
- Abatzoglou, J. T., Williams, P. Impact of anthropogenic climate change on wildfire across western US forests. *PNAS*, 113(42). DOI: 10.1073/pnas.1607171113
- AECOM 2012. *Final Environmental Assessment: Rainbow Falls State Park Entrance Project Lewis County, Washington*. FEMA-1734-DR-WA (Public Assistance). Prepared by AECOM for the U.S. Department of Homeland Security, FEMA Region X. Available at: https://www.fema.gov/media-library-data/20130726-1831-25045-9010/rainbow_falls_sp_final_ea.pdf
- Agee, J.K. 1993. *Fire Ecology of the Pacific Northwest Forests*. Washington, D.C.: Island Press.
- Alpert, P., Bone, E., Holzapfel, C. 2000. Invasiveness, invisibility and the role of environmental stress in the spread of non-native plants. *Perspectives in Plant Ecology, Evolution and Systematics*, 3(1): 52-66. <https://doi.org/10.1078/1433-8319-00004>
- Argyropoulos, M., Z. Heath, D. Omdal, J. Clark, C. Hersey, A. Ramsey, A. Dozic, J. Hof, K. Ripley, M. Fischer, G. Kohler, and B. Smith. 2017. *Forest Health Highlights in Washington—2016*. A joint publication of the Washington Department of Natural Resources and the U.S. Department of Agriculture. March 2017.
- Bentz et al. 2010. Climate change and bark beetles of the western United States and Canada: Direct and indirect effects. *BioScience*, 60(8): 602-613.
- Bindoff, N.L., P.A. Stott, K.M. AchutaRao, M.R. Allen, N. Gillett, D. Gutzler, K. Hansingo, G. Hegerl, Y. Hu, S. Jain, I.I. Mokhov, J. Overland, J. Perlwitz, R. Sebbari and X. Zhang, 2013: "Detection and Attribution of Climate Change: from Global to Regional." In: *Climate Change 2013: The Physical Science Basis*. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Stocker, T.F., D. Qin, G.-K. Plattner, M. Tignor, S.K. Allen, J. Boschung, A. Nauels, Y. Xia, V. Bex and P.M. Midgley (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
- Cohen, S. and D. Miller. 1978. *The big burn: The Northwest's forest fire of 1910*. Missoula, Montana: Pictorial Histories Publishing.
- Dalton, M., Mote, P.W., Snover, A.K. 2013. *Climate Change in the Northwest: Implications for our Landscapes, Waters, and Communities*. Washington, D.C.: Island Press. 271 pp.
- DeBano, Leonard F. 1981. Water repellent soils: a state-of-the-art. Gen. Tech. Rep. PSW-46 Berkeley, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Forest and Range Experiment Station. 21 p.
- Dettinger, M. 2014. Climate change: Impacts in the third dimension. *Nature Geoscience*, 7(3): 166-167.
- Dozic, A., G. Kohler, K. Ripley, C. Hersey, D. Omdal, A. Nelson, A. Ramsey, and B. Smith. 2015. *Forest Health Highlights in Washington—2014*. A joint publication of the Washington Department of Natural Resources and the U.S. Department of Agriculture. March 2015.
- Elsner, M.M., Cuo, L., Voisin, N., Deems, J., Hamlet, A.F., Vano, J.A., Mickelson, K.E.B., Lee, S.-Y., Lettenmaier, D.P. 2010. Implications of 21st century climate change for the hydrology of Washington State. *Climatic Change* 102(1-2): 225-260, doi: 10.1007/s10584-010-9855-0.
- Hamlet, A. F., and D.P. Lettenmaier. 2007. Effects of 20th century warming and climate variability on flood risk in the western US. *Water Resources Research*, 43(6).
- Hamman, J.J., Hamlet, A.F., Lee, S.Y., Fuller, R. and Grossman, E.E., 2016. Combined Effects of Projected Sea Level Rise, Storm Surge, and Peak River Flows on Water Levels in the Skagit Floodplain. *Northwest Science*, 90(1), pp. 57-78.
- Kaminsky, G.M., Buijsman, M.C., McCandless, D., and Ruggiero, P. 2003. Erosion potential analysis of Benson Beach, Report to the Washington State Parks and Recreation Commission, Washington Department of Ecology publication No. 05-06-101, 78 p.
- Kaminsky, G.M., Ruggiero, P., Buijsman, M., McCandless, D., and Gelfenbaum, G. 2010, Historical evolution of the Columbia River littoral cell, *Marine Geology*, v. 273, pp. 96-126.



- Kliejunas, John T. 2011. A risk assessment of climate change and the impact of forest diseases on forest ecosystems in the Western United States and Canada. Gen. Tech. Rep. PSW-GTR-236. Albany, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station. 70 p.
- Klos, P. Z., Link, T. E., & Abatzoglou, J. T. 2014. Extent of the rain-snow transition zone in the western US under historic and projected climate. *Geophysical Research Letters*, 41(13), 4560-4568.
- Liang, X., D. P. Lettenmaier, E. F. Wood, and S. J. Burges. 1994. A simple hydrologically based model of land surface water and energy fluxes for general circulation models, *J. Geophys. Res.*, 99(D7), 14415–14428, [doi:10.1029/94JD00483](https://doi.org/10.1029/94JD00483).
- Littell, J.S. et al., 2010. Forest ecosystems, disturbance, and climatic change in Washington State, USA. *Climatic Change* 102, 129:158.
- Luce, C. H., & Holden, Z. A. 2009. Declining annual streamflow distributions in the Pacific Northwest United States, 1948–2006. *Geophysical Research Letters*, 36 (16).
- Luce, C. H. et al., 2013. The missing mountain water: Slower westerlies decrease orographic enhancement in the Pacific Northwest USA. *Science*, 342 (6164): 1360-1364.
- MacLennan, A., J. et al., 2013. *Sea Level Rise Vulnerability Assessment for San Juan County, Washington*. Prepared by Coastal Geologic Services for Friends of the San Juans. Oct 2013. Available at: http://www.sanjuans.org/documents/MacLennanetal_2014_SJC_Sea_Level_Rise_Vulnerability_final.pdf
- Mass, C., A. Skalenakis, and M. Warner. 2011. Extreme precipitation over the west coast of North America: Is there a trend? *Journal of Hydrometeorology*, 12(2), 310-318.
- Mauger, G.S., J.H. Casola, H.A. Morgan, R.L. Strauch, B. Jones, B. Curry, T.M. Busch Isaksen, L. Whitely Binder, M.B. Krosby, and A.K. Snover. 2015. *State of Knowledge: Climate Change in Puget Sound*. Report prepared for the Puget Sound Partnership and the National Oceanic and Atmospheric Administration. Climate Impacts Group, University of Washington, Seattle. doi:10.7915/CIG93777D
- McNabb, D. H. and Swanson, F. J. 1990. Chapter 14. Effects of fire on soil erosion. In: Natural and prescribed fire in Pacific Northwest forests. Walstad, John D., ed., et al. Corvallis, OR: Oregon State University Press, pp. 159-176.
- Miller, I, S. Petersen, M. Fougerat, D. Pucci, L. Clark, and B. Wood. 2016. *Sea Level Rise and Coastal Flood Risk Assessment: Island County, Washington*. Island County, Washington.
- Mote, P., A. Hamlet, and E. Salathé. 2008. Has spring snowpack declined in the Washington Cascades? *Hydrology and Earth System Sciences Discussions* 12.1: 193-206.
- Mote, P.W., et al. 2015. Integrated scenarios for the future Northwest environment. Version 2.0. USGS ScienceBase. Dataset accessed 2-15-03-02 at: <https://www.sciencebase.gov/catalog/item/5006eb9de4b0abf7ce733f5c>
- (NRC) National Research Council 2012. *Sea-Level Rise for the Coasts of California, Oregon, and Washington: Past, Present, and Future*. Washington, DC: The National Academies Press.
- (NWF) National Wildlife Federation. 2007. *Sea-level Rise and Coastal Habitats in the Pacific Northwest: An Analysis for Puget Sound, Southwestern Washington, and Northwestern Oregon*. https://www.nwf.org/pdf/Water/200707_PacificNWSeaLevelRise_Report.pdf
- Ogle, K. and V. DuMond. 1997. Historical vegetation on national forest lands in the intermountain region. USDA Forest Service Intermountain Region Report. US Department of Agriculture, US Forest Service, Intermountain Research Station.
- Petersen, S. et al. 2015. *Climate Change Preparedness Plan for the North Olympic Peninsula*. A Project of the North Olympic Peninsula Resource Conservation & Development Council and the Washington Department of Commerce, funded by the Environmental Protections Agency. Available: www.noprkd.org
- Prichard, S.J., Sandberg, D.V., Ottmar, R.D., and P.W. Campbell. 2008. FCCS user's guide, version 2.0. US Department of Agriculture, US Forest Service, Pacific Northwest Research Station.
- Rogers, B.M. et al., 2011. Impacts of climate change on fire regimes and carbon stocks of the U.S. Pacific Northwest. *Journal of Geophysical Research*, 116, G03037.



- Rosenberg, E.A., P.W. Keys, D.B. Booth, D. Hartley, J. Burkey, A.C. Steinemann, and D.P. Lettenmaier. 2010. Precipitation extremes and the impacts of climate change on stormwater infrastructure in Washington State. *Climatic Change*, 102(1-2), 319-349.
- Rupp, D.E., et al. 2013. Evaluation of CMIP5 20th century climate simulations for the Pacific Northwest USA. *Journal of Geophysical Research: Atmospheres*, 118(19), 10,884-10,906.
- Schundler, G., J. Mojica, and T. Briceno. 2015. *Economic Analysis of Outdoor Recreation at Washington's State Parks*. Earth Economics, Tacoma, WA.
- Snover, A.K., Mauger, G.S., Whitely Binder, L.C., Krosby, M., Tohver, I. 2013. *Climate Change Impacts and Adaptation in Washington State: Technical Summaries for Decision Makers*. State of Knowledge Report prepared for the Washington State Department of Ecology. Climate Impacts Group, University of Washington, Seattle.
- Stewart, I.T., D.R. Cayan, and M.D. Dettinger. 2005. Changes toward earlier streamflow timing across western North America. *Journal of Climate*, 18(8), 1136-1155.
- Stoelinga, M.T., M.D. Albright, and C.F. Mass. 2010. A new look at snowpack trends in the Cascade Mountains. *Journal of Climate* 23.10 (2010): 2473-2491
- Sturrock, R.N. et al., 2011. Climate change and forest diseases. *Plant Pathology*, 60, 133–149.
- Thorne, K.M., B.D. Dugger, K.J. Buffington, C.M. Freeman, C.N. Janousek, K.W. Powelson, G.R. Gutenspergen, and J.Y. Takekawa, J.Y. 2015. Marshes to Mudflats—Effects of Sea-Level Rise on Tidal Marshes Along a Latitudinal Gradient in the Pacific Northwest (No. 2015-1204). US Geological Survey.
- Westerling ALR. 2016. Increasing western US forest wildfire activity: sensitivity to changes in the timing of spring. *Phil. Trans. R. Soc. B* 371 : 20150178. <http://dx.doi.org/10.1098/rstb.2015.0178>
- (WA DNR) WA State Department of Natural Resources. 2017. Fire Prevention & Fuel Management Mapping System. <https://fortress.wa.gov/dnr/protectiongis/fmanfire/default.aspx>
- (WA OFM) Office of Financial Management. 2012. County Growth Management Population Projections by Age and Sex: 2010 - 2040. Forecasting Division. State of Washington.
- Washington State Academy of Sciences. 2013. *Opportunities for Addressing Laminated Root Rot caused by Phellinus sulphuracens in Washington's Forests*. A Report from the Washington State Academy of Sciences in cooperation with the Washington State Department of Natural Resources, Olympia, WA. 110 pages. <http://www.washacad.org/>
- Wigmosta, M.S., L. Vail, and D. P. Lettenmaier, 1994: A distributed hydrology-vegetation model for complex terrain. *Wat. Resour. Res.*, 30, 1665-1679.
- (WSPRC) Washington State Parks and Recreation Commission Mission Statement. Available at: <http://parks.state.wa.us/176/Mission-Vision>. Accessed June 15, 2017.
- (WSPRC) Washington State Parks and Recreation Commission. 2003. *Sun Lakes-Dry Falls State Park Management Plan*, Washington State Parks and Recreation Commission. Olympia, WA. Available at: <http://parks.state.wa.us/DocumentCenter/Home/View/1563>
- (WSPRC) Washington State Parks and Recreation Commission. 2010. *Mount Spokane State Park Master Facilities Plan, Draft Environmental Impact Statement*. Washington State Parks and Recreation Commission. Olympia, Washington. Available at: <http://parks.state.wa.us/DocumentCenter/Home/View/1468>
- (WSPRC) Washington State Parks and Recreation Commission. 2012. *The State of Parks*. A report to the state Office of Financial Management. Olympia, Washington. August 2012. Available at: <http://parks.state.wa.us/DocumentCenter/View/306>
- (WSPRC) Washington State Parks and Recreation Commission. 2016. *2014-2019 State Parks Strategic Plan: May 19, 2016 Update*. Olympia, WA. Available at <http://parks.state.wa.us/DocumentCenter/View/7663>
- Zervas, C. E. 2005. Response of extreme storm tide levels to long-term sea level change. In *OCEANS, 2005. Proceedings of MTS/IEEE* (pp. 2501-2506). IEEE.

