[Battin, J., M. W. Wiley, M. H. Ruckelshaus, R. N. Palmer, E. Korb, K. K. Bartz, and H. Imaki. 2007. Projected impacts of climate change on salmon habitat restoration.](http://www.cafishpassageforum.org/media/publications/climatechange/PNAS-2007-Battin-6720-5.pdf%22%20%5Ct%20%22_blank)*[Proceedings of the National Academy of Sciences](http://www.cafishpassageforum.org/media/publications/climatechange/PNAS-2007-Battin-6720-5.pdf%22%20%5Ct%20%22_blank)***[104:](http://www.cafishpassageforum.org/media/publications/climatechange/PNAS-2007-Battin-6720-5.pdf%22%20%5Ct%20%22_blank)**[6720–6725.](http://www.cafishpassageforum.org/media/publications/climatechange/PNAS-2007-Battin-6720-5.pdf%22%20%5Ct%20%22_blank)

[BC Ministry of Environment. 2009. The strategic approach: Protocol for planning and prioritizing culverted sites for fish passage assessment and remediation.](http://www.cafishpassageforum.org/media/publications/climatechange/strategic_approach_2009.pdf)

[Beechie, T., M. Collins, P. Roni, and G. Pess. 2013. Incorporating climate change into restoration planning. PowerPoint presentation.](http://www.cafishpassageforum.org/media/publications/climatechange/beechiepowerpoint.pdf)

[Beechie, T., H. Imaki, J. Greene, A. Wade, H. Wu, G. Pess, P. Roni, J. Kimball, J. Stanford, P. Kiffney, and N. Mantua. 2012. Restoring salmon habitat for a changing climate. *River Research and Applications*. DOI: 10.1002/rra.2590.](http://www.cafishpassageforum.org/media/publications/climatechange/Beechie_RestoringSalmonHabitat_ClimateChange_Overview_Day1.pdf)

[Bottom, D. L., C. A. Simenstad, J. Burke, A. M. Baptista, D. A. Jay, K. K. Jones, E. Casillas, and M. H. Schiewe. 2005. Salmon at river’s end: The role of the estuary in the decline and recovery of Columbia River salmon. US Department of Commerce, NOAA Technical Memorandum NMFS-NWFSC-68.](http://www.cafishpassageforum.org/media/publications/climatechange/bottom_2005_salmon_river_end.pdf)

[Boughton, D. A., and A. S. Pike. 2013. Floodplain rehabilitation as a hedge against hydroclimatic uncertainty in a migration corridor of threatened steelhead. *Conservation Biology* **27**(6):1158–1168.](http://www.cafishpassageforum.org/media/publications/climatechange/boughton.pdf)

[Bunn, S. E., and A. H. Arthington. 2002. Basic principles and ecological consequences of altered flow regimes for aquatic biodiversity. *Environmental Management* **30:**492–507.](http://www.cafishpassageforum.org/media/publications/climatechange/Basic_Principles.pdf)

[Burkett, V. R., and M. A. Davidson, eds. 2012. “Coastal Impacts, Adaptation and Vulnerability: A Technical Input to the 2013 National Climate Assessment.” Cooperative Report to the 2013 National Climate Assessment, 150 pp.](http://www.cafishpassageforum.org/media/publications/climatechange/NCA_Coasts.pdf)

[California Fish Passage Forum. 2013. California Fish Passage Forum Strategic Framework 2013–2018. 44pp.](http://www.cafishpassageforum.org/media/publications/CFPFSTRATFRAMEWORK2013FINAL_updatedNov2013.pdf)

[Casselman, J. M. 2002. Effects of temperature, global extremes, and climate change on year-class production of warmwater, coolwater, and coldwater fishes in the Great Lakes Basin. *In*Fisheries in a Changing Climate (Proceedings of American Fisheries Society Symposium 32), N.A. McGinn, ed. American Fisheries Society, Bethesda, Maryland. pp. 39–59.](http://www.cafishpassageforum.org/media/publications/climatechange/Casselman_-_Climate_and_year-class_production_of_fish_AFS_Symposium_C.pdf)

[Cheung, W. W. L., J. L. Sarmiento, J. Dunne, T. L. Frölicher, V. W. Y. Lam Deng, M. W. Palomares,  R. Watson, and D. Pauly. 2013. Shrinking of fishes exacerbates impacts of global ocean changes on marine ecosystems. *Nature Climate Change* **3:**254–258. doi:10.1038/nclimate1691.](http://www.cafishpassageforum.org/media/publications/climatechange/Cheung_et_al_supplemental_2012-libre.pdf)

[Comte, L. and G. Grenouillet. 2013. Do stream fish track climate change? Assessing distribution shifts in recent decades. *Ecography* **36:**001–011.](http://www.cafishpassageforum.org/media/publications/climatechange/Comte__Grenouillet.pdf)

[Conservation Biology. 2013. Special Section: Incorporating climate change into risk analyses under the U.S. Endangered Species Act. **27**(6):1137.](http://www.cafishpassageforum.org/media/publications/climatechange/consbiologyintro.pdf)

[Crozier, L. G., A. P. Hendry, P.W. Lawson, T. P. Quinn, N. J. Mantua, J. Battin, R. G. Shae, and R. B. Huey. 2011. Potential responses to climate change in organisms with complex life histories: evolution and plasticity in Pacific salmon. *Evolutionary Applications* **1**:252–270.](http://www.cafishpassageforum.org/media/publications/climatechange/crozier_potential_responses.pdf)

[Crozier, L. G., M. D. Scheuerell, and R. W. Zabel. 2011. Using time series analysis to characterize evolutionary and plastic responses to environmental change: A case study of a shift toward earlier migration date in sockeye salmon. *American Naturalist* **178:**755–773.](http://www.cafishpassageforum.org/media/publications/climatechange/Crozier_et_al_2011.pdf)

[Dalton, M. M., P. W. Mote, and A. K. Snover [Eds.]. 2013. Climate Change in the Northwest: Implications for Our Landscapes, Waters, and Communities. Washington, DC: Island Press. 230pp.](http://www.cafishpassageforum.org/media/publications/climatechange/ClimateChangeInTheNorthwest.pdf)

[DeVries, P. E. 1997. Riverine salmonid egg burial depths: Review of published data and implications for scour studies. *Canadian Journal of Fisheries and Aquatic Sciences* **54:**1685–1698.](http://www.cafishpassageforum.org/media/publications/climatechange/DeVries1997.pdf)

[Dudgeon, D., A. H. Arthington, M. Gessner, Z. Kawabata, D. Knowler, C. Levesque, R. Naiman, A Prieur-Richard, D. Soto, M. L. J. Stiassny, and C. A. Sullivan. 2005. Freshwater biodiversity: importance, threats, status and conservation challenges. *Biological Reviews* **81**(2):163-182.](http://www.cafishpassageforum.org/media/publications/climatechange/dudgeonetal2005.pdf)

[Gomes, C.P., and A. Sabharwal. 2009. Optimizing fish passage barrier removal using mixed integer linear programming. Extended Abstract, CROCS-09 Workshop, September 2009.](http://www.cafishpassageforum.org/media/publications/climatechange/gomes2009.pdf)

[Hari, R. E., D. M. Livingstone, R. Siber, P. Burkhardt-Holm, and H. Guttinger. 2006. Consequences of climatic change for water temperature and brown trout populations in Alpine rivers and streams. *Global Change Biology***12:**10–26.](http://www.cafishpassageforum.org/media/publications/climatechange/Hari-GlobalChangeBiology.pdf)

[Harvey, B. C., R. J. Nakamoto, and J. L. White. 2006. Reduced stream flow lowers dry-season growth of rainbow trout in a small stream. *Transactions of the American Fisheries Society* **135:**998–1005.](http://www.cafishpassageforum.org/media/publications/climatechange/harvey2006.pdf)

[Hayhoe, K., D. Cayan, C. B. Field, P. C. Frumhoff, E. P. Maurer, N. L. Miller, S. C. Moser, S. H. Schneider, K.N. Cahill, E. E. Cleland, L. Dale, R. Drapek, R. M. Hanemann, L.S. Kalkstein, J. Lenihan, C. K. Lunch, R. P. Neilson, S. C. Sheridan, and J. H. Verville. 2004. Emissions pathways, climate change, and impacts on California. Proceedings of the National Academy of Sciences](http://www.cafishpassageforum.org/media/publications/climatechange/hayhoe2004.pdf%22%20%5Ct%20%22_blank)**[101](http://www.cafishpassageforum.org/media/publications/climatechange/hayhoe2004.pdf%22%20%5Ct%20%22_blank)**[(34):12422–12427.](http://www.cafishpassageforum.org/media/publications/climatechange/hayhoe2004.pdf%22%20%5Ct%20%22_blank)

[Hitt, N. P., and J. H. Roberts. 2012. Hierarchical spatial structure of stream fish colonization and extinction. *Oikos* **121:**127–137.](http://www.cafishpassageforum.org/media/publications/climatechange/Hitt_and_Roberts_2012.pdf)

[Hoy, M., B. L. Boese, L. Taylor, D. Reusser, and R. Rodriguez. 2012. Salinity adaptation of the invasive New Zealand mud snail (*Potamopyrgus antipodarum*) in the Columbia River estuary (Pacific Northwest, USA): Physiological and molecular studies. *Aquatic Ecology* **46:**249–260.](http://www.cafishpassageforum.org/media/publications/climatechange/Hitt_and_Roberts_2012.pdf)

[Independent Scientific Advisory Board. 2007. Climate change impacts on Columbia River Basin fish and wildlife. Northwest Power and Conservation Council, Portland, OR.](http://www.cafishpassageforum.org/media/publications/climatechange/isab2007_2.pdf)

[Jorgensen, J. C., M. M. McClure, M. B. Sheer, and N. L. Munn. 2013. Combined effects of climate change and bank stabilization on shallow water habitats of Chinook salmon. *Conservation Biology* **27**(6): 1201–1211.](http://www.cafishpassageforum.org/media/publications/climatechange/jorgensen.pdf)

[Jospe, A. 2013. Aquatic barrier prioritization in New England under climate change scenarios using fish habitat quantity, thermal habitat quality, aquatic organism passage, and infrastructure sustainability. M. Sc. Thesis, University of Massachusetts—Amherst. 85pp.](http://www.cafishpassageforum.org/media/publications/climatechange/jospe2013.pdf)

[Langridge, R., A. Fisher, A. Racz, B. Daniels, K. Rudestam, and B. Hihara. 2012. Climate Change and Water Supply Security: Reconfiguring Groundwater Management to Reduce Drought Vulnerability. California Energy Commission. Publication Number: CEC-500-2012-017.](http://www.cafishpassageforum.org/media/publications/climatechange/langridge2012.pdf)

[Mantua, N., I. Tohver, and A. Hamlet. 2010. Climate change impacts on stream flow extremes and summertime stream temperature and their possible consequences for freshwater salmon habitat in Washington State. *Climate Change* **102:**187–223.](http://www.cafishpassageforum.org/media/publications/climatechange/Mantu_etal_2010.pdf)

[McClurg, S. E., J. T. Petty, P. M. Mazik, and J. L. Clayton. 2007. Stream ecosystem response to limestone treatment in acid impacted watersheds of the Allegheny Plateau, West Virginia. *Ecol. Appl.* **17:**1087–1104.](http://www.cafishpassageforum.org/media/publications/climatechange/Limnology_McClurg2007.pdf)

[McDonald, R. I., J. D. Olden, J. J. Opperman, W. M. Miller, J. Fargione, C. Revenga, J. V. Higgins, and J. Powell. 2012. Energy, water and fish: Biodiversity impacts of energy-sector water demand in the United States depend on efficiency and policy measures. PloS One 7(11): e50219.](http://www.cafishpassageforum.org/media/publications/climatechange/mcdonald_2012.pdf)

[National Oceanic and Atmospheric Administration. 2010. Programmatic framework for considering climate change impacts in coastal habitat restoration, land acquisition, and facility development investments. 55pp.](http://www.cafishpassageforum.org/media/publications/climatechange/noaaprogrammaticframework.pdf)

[National Oceanic and Atmospheric Administration (NOAA)-Northwest Fisheries Science Center. 2008. NWFSC research related to climate change. NWR Briefing. 15pp.](http://www.cafishpassageforum.org/media/publications/climatechange/NOAA_Climate_Briefing_Packet_2-6-08.pdf)

[National Wildlife Federation. 2013. Swimming upstream: Freshwater fish in a warming world. 34pp.](http://www.cafishpassageforum.org/media/publications/climatechange/nmfs2012.pdf)

[NMFS. 2012. Regional habitat assessment prioritization for California stocks. Report of the Southwest Regional Habitat Assessment Prioritization Working Group. Internal report, NMFS White Paper. Office of Science and Technology, NMFS, NOAA. Silver Spring, MD. 20pp.](http://www.cafishpassageforum.org/media/publications/climatechange/nmfs2012.pdf)

Nislow, K. H., A. J. Sepulveda, and C. L. Folt. 2004. Mechanistic linkage of hydrologic regime to summer growth of age-0 Atlantic salmon. *Transactions of the American Fisheries Society* **133:**79–88.

[O’Hanley, J. R. 2012. Development of the APASS Anadromous Fish Passage Barrier Prioritization Tool and Preliminary Findings. California Fish Passage Forum Meeting presentation, April 25, 2012.](http://www.cafishpassageforum.org/media/publications/climatechange/ohanley.pdf)

O’Hanley, J. R., J. Wright, M. Diebel, M. A. Fedora, and C. L. Soucy. 2013. Restoring stream habitat connectivity: A proposed method for prioritizing the removal of resident fish passage barriers. *Journal of Environmental Management* **125:**19–27.

[Osgood, K. E. (editor). 2008. Climate impacts on U.S. living marine resources: National Marine Fisheries Service concerns, activities and needs. U.S. Dep. Commerce, NOAA Tech. Memo. NMFS-F/SPO-89, 118 pp.](http://www.cafishpassageforum.org/media/publications/climatechange/osgood.pdf)

[Palmer, M. A., R. F. Ambrose, and N. L. Poff. 2008. Ecological theory and community restoration ecology. *Rest. Ecol.* **5:**291–300.](http://www.cafishpassageforum.org/media/publications/climatechange/palmer.pdf)

[Parmesan, C., and G. Yohe. 2003. A globally coherent fingerprint of climate change impacts across natural systems. *Nature* 432:37–42.](http://www.cafishpassageforum.org/media/publications/climatechange/palmer.pdf)

[Poff, N. L., J. D. Olden, D. M. Merritt, and D. M. Pepin. 2007. Homogenization of regional river dynamics by dams and global biodiversity implications. P. National Academy of Sciences, **104:** 5732–5737.](http://www.cafishpassageforum.org/media/publications/climatechange/Poff_etal_2007_River_homogenization_PNAS.pdf)

[Portner, H. O., and A. P. Farrell. 2008. Physiology and climate change. *Ecology* 322:690–692.](http://www.cafishpassageforum.org/media/publications/climatechange/Portner_08_physiology_CC_and_aquatics.pdf)

[Rieman, B. E., and D. Isaak. 2007. Anticipated climate warming effects on bull trout habitats and populations across the interior Columbia River Basin. *Transactions of the American Fisheries Society* **136:**1552–1565.](http://www.cafishpassageforum.org/media/publications/climatechange/rieman.pdf)

Powell, A. M., Jr., and J. Xu. 2012. The 1977 global regime shift: A discussion of its dynamics and impacts in the eastern Pacific ecosystem. *Atmosphere-Ocean* **50:**421–436. doi:10.1080/07055900.2012.716023.

[Schindler, D. E., R. Hilborn, B. Chasco, C. P. Boatright, T. P. Quinn, L. A. Rogers, and M. S. Webster. 2010. Population diversity and the portfolio effect in an exploited species. *Nature* **465:**609–613, doi:10.1038/nature09060.](http://www.cafishpassageforum.org/media/publications/climatechange/Schindler_et_al_2010_Population_diversity_and_the_portfolio_effect.pdf)

[Seney, E. E., M. J. Rowland, R. A. Lowery, R. B. Griffis, and M. M. McClure. 2013. Climate change, marine environments, and the U.S. Endangered Species Act. *Conservation Biology* **27**(6):1138–1146.](http://www.cafishpassageforum.org/media/publications/climatechange/seney.pdf)

[Walters, A., K. K. Bartz, and M. M. McClure. 2013. Interactive effects of water diversion and climate change for juvenile Chinook salmon in the Lemhi River Basin (U.S.A). *Conservation Biology* **27**(6):1179–1189.](http://www.cafishpassageforum.org/media/publications/climatechange/walters.pdf)

[Wedekind, C. and C. Kung. 2010. Shift of spawning season and effects of climate warming on developmental stages of a grayling (Salmonidae). *Conservation Biology***24**(5):1418–1423.](http://www.cafishpassageforum.org/media/publications/climatechange/Wedekind_10_CC_spawn_timing_effects_for_European_grayling.pdf)

[Wenger, S. J., D. J. Isaak, C. H. Luce, H. M. Neville, K. D. Fausch, J. B. Dunham, D. C. Dauwalter, M. K. Young, M. M. Elsner, B. E. Rieman, A. F. Hamlet, and J. E. Williams. 2011. Flow regime, temperature, and biotic interactions drive differential declines of trout species under climate change. *Proceedings of the National Academy of Sciences*, 10.1073/pans.1103097108. 6pp.](http://www.cafishpassageforum.org/media/publications/climatechange/wenger.pdf)

[Winfield, I. J., J. Hateley, J. M. Fletcher, J. B. James, C. W. Bean, and P. Clabburn. 2010. Population trends of Arctic charr (*Salvelinus alpinus*) in the UK: assessing the evidence for a widespread decline in response to climate change. *Hydrobiologia* **650:**55–65.](http://www.cafishpassageforum.org/media/publications/climatechange/Winfield_10_Regional_declines_of_Arctic_charr_in_the_UK_related_to_climate_trends.pdf)