

Component	Factors	Source	Link	data type	raster resolution
Base Data	Watershed boundaries	Wild Salmon Center. 2008. Pacific Salmon Conservation Assessment: Watersheds. Vector digital data. Portland, OR: Wild Salmon Center.	http://www.wildsalmoncenter.org/toolkit/Cycle/PopAssess/Pacific/PSCA.php	Geodatabase	
Objectives: Species data	Salmon and steelhead abundance	Wild Salmon Center. 2008. Pacific Salmon Conservation Assessment. Spatial Database. Portland, OR: Wild Salmon Center.	http://www.wildsalmoncenter.org/toolkit/Cycle/PopAssess/Pacific/PSCA.php	Geodatabase	
	Dolly varden, Eulachon, lamprey linear habitat	Alaska Department of Fish and Game. 2012. Catalog of Waters Important for the Spawning, Rearing or Migration of Anadromous Fishes. Vector digital data. Alaska Department of Fish and Game.	http://www.adfg.alaska.gov/sf/SARR/AWC/index.cfm?ADFG=data.contactForm	vector: line	
	Bull trout linear habitat	StreamNet, Pacific States Marine Fisheries Commission. 2010. StreamNet Generalized Fish Distribution, All Species Combined (July 2010). Vector digital data. Portland, OR: StreamNet, Pacific States Marine Fisheries Commission, July 7.	http://www.streamnet.org/mapping_apps.cfm	vector: line	
	Marbled murrelet climate niche	Geos Institute, and Leuphana University Lueneburg. 2012. Baseline and Predicted Future Climate Niches of Twelve Species Based on Three General Circulation Models and Two Emission Scenarios. Vector digital data. Medford, OR: Geos Institute.	http://app.databasin.org/app/pages/datasetPage.jsp?id=3f460a2845e842908853c48328752fd8#tabId=detailsTab	vector: polygon	
	Northern spotted owl climate niche	DellaSala, Dominick A., Patric Brandt, Marni Koopman, Jessica Leonard, Claude Meisch, Patrick Herzog, and Henrik von Wehrden. 2012. Testing A Climate Change Adaptation Framework for the North America Pacific Coastal Rainforest: Report to Yale Science Committee. Draft. Ashland, OR: Geos Institute.			
	Selected mammal island and mainland presence in Southeast Alaska.	MacDonald, S.O., and Joseph A. Cook. 2007. Mammals and Amphibians of Southeast Alaska. Special Publication Number 8. Albuquerque, NM: The Museum of Southwestern Biology, University of New Mexico. and Alaska Department of Natural Resources, Land Records Information Section. 1998. Alaska Coastline 1:63,360. Vector digital data. Anchorage, AK: Alaska Department of Natural Resource, Land Records Information Section US Geologic Survey, US Forest Service, Chugach US Forest Service, Tongass EVOS Trustee Council.	http://www.msb.unm.edu/publications/documents/SpecPub-MSB-N08-McDonaldCook2007.pdf	text	
	Mountain goat distribution	International Union for Conservation of Nature and Natural Resources (IUCN). 2010. Digital Distribution Maps of The IUCN Red List of Threatened Species. Vector digital data. IUCN.	http://www.iucnredlist.org/technical-documents/spatial-data	vector: polygon	
	Dall's sheep distribution				
	Brown and black bear summer habitat suitability	Schoen, J., R. Flynn, L. Suring, K. Titus, and L. Beier. 1997. Habitat Suitability Model for Brown and Black Bears. Raster digital data. Tongass National Forest Land Management Plan. Juneau, AK: USDA Forest Service, Tongass National Forest.	http://home.gci.net/~tnc/HTML/Welcome.html	raster	50m
	Sitka black-tailed deer winter habitat suitability	USDA Forest Service, Tongass National Forest. 1997. Winter Habitat Suitability Model for Sitka Black-Tailed Deer. Raster digital data. Tongass National Forest Land Management Plan. Juneau, AK: USDA Forest Service, Tongass National Forest.		raster	50m
Constraints: Climate Data	Temperature change, WA & OR	Climate Impacts Group. 2009a. Delta Method Runs of Tmax monthly averages for July, August, using the A1B Scenario, 2080 - 2099. Raster digital data. Seattle, WA: University of Washington.	http://www.hydro.washington.edu/2860/products/primary_data/	raster	6097m
	Hydrologic regime state change, WA & OR	Climate Impacts Group. 2009b. Historic and Modeled Maximum Snow Water Equivalent. Raster digital data. Seattle, WA: University of Washington.	http://www.hydro.washington.edu/2860/products/primary_data/	raster	6097m
		Climate Impacts Group. 2009c. Historic and Modeled October-March Precipitation. Raster digital data. Seattle, WA: University of Washington.	http://www.hydro.washington.edu/2860/products/primary_data/	raster	6097m
	Temperature change, AK & BC	Scenarios Network for Alaska & Arctic Planning. 2012. Historical Monthly Average Temperature 2km CRUTS3.0/3.1. Raster digital data. Fairbanks, AK: Scenarios Network for Alaska and Arctic Planning. Scenarios Network for Alaska & Arctic Planning. 2011. Projected Monthly Average Temperature 2km AR4. 5-model Average A1B, 2100. Raster digital data. Fairbanks, AK: Scenarios Network for Alaska and Arctic Planning.	http://www.snap.uaf.edu/data.php	raster	2km
	Precipitation change, AK & BC	Scenarios Network for Alaska & Arctic Planning. 2012. Historical Monthly Total Precipitation 2km CRUTS3.0/3.1. Raster digital data. Fairbanks, AK: Scenarios Network for Alaska and Arctic Planning. Scenarios Network for Alaska & Arctic Planning. 2011. Projected Monthly Total Precipitation 2km AR4. 5-model Average A1B, 2100. Raster digital data. Fairbanks, AK: Scenarios Network for Alaska and Arctic Planning.			
	Change in probability of a winter 2-year flow event	Wenger, Seth, and Charlie Luce. 2011. Western US Stream Flow Metric Dataset: Modeled Flow Metrics for Stream Segments in Selected Basins of the Western United States Under Historical Conditions and Forecast Climate Change Scenarios. Database. Fort Collins, CO: USDA Forest Service, Rocky Mountain Research Station.	http://www.fs.fed.us/rm/boise/AWAE/projects/modeled_stream_flow_metrics.shtml	vector: line	
	Change in stream flow timing				
	Change in mean summer flowrates				
	Climate Response: Pacific silver fir	Geos Institute, and Leuphana University Lueneburg. 2012. Baseline and Predicted Future Climate Niches of Twelve Species Based on Three General Circulation Models and Two Emission Scenarios. Vector digital data. Medford, OR: Geos Institute. and DellaSala, Dominick A., Patric Brandt, Marni Koopman, Jessica Leonard, Claude Meisch, Patrick Herzog, and Henrik von Wehrden. 2012. Testing A Climate Change Adaptation Framework for the North America Pacific Coastal Rainforest: Report to Yale Science Committee. Draft. Ashland, OR: Geos Institute.	http://app.databasin.org/app/pages/datasetPage.jsp?id=3f460a2845e842908853c48328752fd8#tabId=detailsTab	vector: polygon	
	Climate Response: Grand fir				
	Climate Response: Witch's beard				
	Climate Response: Lettuce lichen				
	Climate Response: Marbled murrelet				
	Climate Response: Northern spotted owl				
Climate Response: Sitka spruce					
Climate Response: Coastal redwood					
Climate Response: Sitka black-tailed deer					
Climate Response: Western redcedar					
Climate Response: Western hemlock					
Climate Response: Mountain hemlock					
Constraints: Watershed Condition data	Agricultural land use	Wild Salmon Center. 2008. Pacific Salmon Conservation Assessment. Spatial Database. Portland, OR: Wild Salmon Center.	http://www.wildsalmoncenter.org/toolkit/Cycle/PopAssess/Pacific/PSCA.php	Geodatabase	
	urban land use				
	Dam impacts				
	Hatchery density				
	Hatchery density				
Human influence index	Wildlife Conservation Society (WCS), and Center for International Earth Science Information Network (CIESIN)/Columbia University. 2005. Last of the Wild Project, Version 2, 2005 (LWP-2): Global Human Influence Index (HII) Dataset (IGHI). Raster digital data. Palisades, NY: NASA Socioeconomic Data and Applications Center (SEDAC).	http://sedac.ciesin.columbia.edu/data/set/wildareas-v2-human-influence-index-ighi	Raster	814m	
Human population density	Center for International Earth Science Information Network (CIESIN)/Columbia University, United Nations Food and Agriculture Programme (FAO), and Centro Internacional de Agricultura Tropical (CIAT). 2005. Gridded Population of the World, Version 3 (GPWv3): Population Count Grid, Future Estimates, 2010. Raster digital data. Palisades, NY: NASA Socioeconomic Data and Applications Center (SEDAC).	http://sedac.ciesin.columbia.edu/data/set/gpw-v3-population-count-future-estimates	Raster	4680m	