

Oregon Water Science Center

Portland • Central Point • Klamath Falls

About Us

The United States Geological Survey is the primary Federal earth science agency, providing impartial information on the health of our ecosystems and environment, the natural hazards that threaten us, the natural resources we rely on, the impacts of climate and land-use change, and the core science systems that help us provide timely, relevant, and usable information.

Our Mission

To provide reliable scientific information that describes, interprets, and facilitates management of water resources in Oregon and the Pacific Northwest for the benefit of the American people.

The Oregon Water Science Center provides reliable water data and interpretation of data to Federal, State, and local agencies, Tribes, and the public. Our data and study results are widely used to manage Oregon’s water resources for the benefit of people and our environment. Data collection and interpretive studies are supported by Federal funds and through a Cooperative Water Program that enables joint funding between the Oregon Water Science Center and our partners.

Our Capabilities

The Oregon Water Science Center uses state-of-the-art techniques for data collection and interpretation. We employ rigorous quality-control methods in carrying out our activities. Our scientists have a wide range of expertise in all areas of water science, including:



- Streamgaging
- Precipitation gaging
- Flood monitoring
- Groundwater interaction
- Bathymetric surveying
- Geomorphic studies
- Hydraulic modeling
- Watershed modeling
- Sediment characterization
- Climate effects



- Water-level monitoring
- Aquifer characterization
- Flow modeling
- Solute-transport modeling
- Surface-water interaction
- Availability/sustainability
- Drilling and coring
- Geophysical logging
- Video logging
- Climate effects



- Sample collection/analysis
- Continuous monitoring
- Water quality modeling
- Limnology
- TMDLs
- Emerging contaminants
- Sediment oxygen demand
- Trend analysis
- Contaminant sources
- Geochemical modeling



- Habitat assessments
- Algae
- Macroinvertebrates
- Fishery assessments
- Aquatic toxicity
- Biotic integrity
- Ecological flows
- Invasive species
- Fish telemetry
- Climate effects

Data collection: We collect streamflow and water-quality data at more than 200 stations around Oregon and disseminate it to the public in real time via the Internet. A variety of public and private entities use our streamflow data for applications ranging from flood forecasting to infrastructure planning. We also monitor water levels at observation wells statewide. Our water-level data are critical for assessing groundwater conditions and as input to models that predict water availability.

Data interpretation: The Oregon Water Science Center is committed to helping managers understand the effects of natural processes and human activities on Oregon’s water resources. Investigations with cooperating agencies provide information used to develop water management plans. We employ an integrated approach that encompasses many scientific disciplines, drawing on experts from throughout the USGS to augment the already diverse pool of talent within the Center.

Working with the USGS Oregon Water Science Center

The Oregon Water Science Center partners with Federal, State, County, local, Tribal, and public entities in the conduct of our scientific investigations. These partnerships are in the form of shared funding and other services. (Read a description of the USGS Cooperative Water Program [here](#).) The following is a partial list of our partners:

Local		Federal	
City of Portland		Bonneville Power Administration	
City of Salem		Bureau of Land Management	
City of Eugene		Bureau of Reclamation	
Multnomah County		U.S. Fish and Wildlife Service	
Clackamas County		National Weather Service	
Douglas County		U.S. Army Corps of Engineers	
Clean Water Services		USDA Forest Service	
Eugene Water & Electric Board		U.S. Environmental Protection Agency	
State		Private Sector	
Oregon Water Resources Department		Portland General Electric	
Oregon Watershed Enhancement Board		PacifiCorp	
Oregon Department of Transportation			
Oregon Department of Human Services			
Portland State University			
Tribal		Non-Governmental Organizations	
Klamath Tribes		The Nature Conservancy	
Columbia River Intertribal Fisheries Council		Lower Columbia River Estuary Program	
Confederated Tribes of the Umatilla Indian Reservation		National Fish and Wildlife Foundation	
Confederated Tribes of the Warm Springs Indian Reservation		Meyer Memorial Trust	
Confederated Tribes of Grand Ronde			

Contacts

Director	Dar Crammond	(503) 251-3204	crammond@usgs.gov
Associate Director	Greg Fuhrer	(503) 251-3231	gfuhrer@usgs.gov
Data Program Chief	Keith Overton	(503) 251-3246	koverton@usgs.gov
Portland Field Office Chief	Roy Wellman	(503) 251-3295	rwellman@usgs.gov
Central Point Field Office Chief	Frank Johnson	(541) 776-4258	fsjohn@usgs.gov
Klamath Basin issues	Dar Crammond	(503) 251-3204	crammond@usgs.gov
Web:	http://or.water.usgs.gov/		Twitter: https://twitter.com/USGS_OR

