

WATER QUALITY

EES Consulting offers water quality monitoring and modeling services as well as support services for regulatory processes including 401 certification and TMDLs. EES Consulting employs state-of-the-art instrumentation for water quality monitoring. EES Consulting staff stays current on regulatory processes and regional planning through participation in programs such as the Trans Boundary Dissolved Gas Group. We have extensive experience working for water supply utilities, forestry, and power-related industries. EES Consulting also provides engineering solutions for water quality abatement. Past studies have addressed water quality issues in lakes, rivers, reservoirs, and estuarine waters.



SERVICES PROVIDED

- Temperature monitoring and modeling
- Water quality modeling using CE-QUAL-W2 and other basin models
- Total dissolved gas monitoring
- In-situ continuous monitoring of water quality parameters
- Section 401 water quality certification
- TMDL studies
- Nutrient loading assessment and algal studies
- Analysis of project effects on water quality
- Aquatic life standards and assessments of biological water quality indicators

PARTIAL LIST OF CURRENT PROJECTS AND CLIENTS

Comprehensive Water Quality Surveys, 401 Certification, Temperature Modeling
Box Canyon Hydroelectric Project
Public Utility District No. 1 of Pend Oreille County, Newport, Washington

Water Quality Investigations of Lake Chelan
Lake Chelan Hydroelectric Project
Public Utility District No. 1 of Chelan County, Wenatchee, Washington

Temperature Monitoring and Modeling
East Fork LeClerc Creek
Stimson Lumber Company, Newport, Washington

PARTIAL LIST OF CURRENT PROJECTS AND CLIENTS (cont'd)

Total Dissolved Gas Abatement
Cabinet Gorge and Noxon Rapids Hydroelectric Projects
Avista Corporation, Spokane, Washington

Water Quality Monitoring and CE-QUAL-W2 Modeling
Clackamas River Hydroelectric Projects
Portland General Electric, Portland, Oregon

Water Quality Monitoring
Bear River Hydroelectric Project
PacifiCorp, Portland, Oregon