



**ROY E. JENSEN, LHG**  
**Senior Associate Hydrogeologist**

**EDUCATION**

Geology and Hydrogeology, Postgraduate Work, South Dakota School of Mines and Technology, Rapid City, SD, 1983-1988

MS, Geology, Loma Linda University, 1983

BS, Medical Technology, Walla Walla College, 1979

BS, Biology, Walla Walla College, 1978

**LICENSES/  
CERTIFICATES**

Licensed Hydrogeologist, WA

Registered Geologist, CA

Registered Site Assessor, WA

**AFFILIATIONS**

Association of Washington Business – Energy, Transportation, Water Resources, Water Quality, and Environmental Subcommittees

National Ground Water Association

Roy is a senior-level hydrogeologist with 30 years of experience in the Pacific Northwest. He has managed, designed, and conducted numerous geologic and hydrogeologic investigations for a variety of private and public clients. He has particular expertise in long-term hydrogeologic assessments, aquifer testing, groundwater monitoring and sampling, and groundwater modeling. He also provides hydrogeologic support for geotechnical projects including developing construction dewatering plans, evaluating groundwater seepage for slope stability problems, and stormwater infiltration assessments.

**REPRESENTATIVE PROJECT EXPERIENCE**

**Terminal 46 Environmental Assessment, Port of Seattle, WA.**

Project Manager for waste disposal study of soil and groundwater to support construction of stormwater vaults at a marine terminal. Results indicated that disposal to a lower cost disposal facility was required.

**Infiltration Testing and Modeling, Federal Center South, Seattle, WA.**

Roy designed a test program and evaluated stormwater infiltration for a major office development along the Duwamish Waterway.

**Environmental Assessment, Richmond Marine Terminal, Seattle, WA.**

Project Manager for multi-phase MTCA environmental investigation of a petroleum product storage facility at marine terminal along Puget Sound.

**Piers 24/25, Groundwater Quality Assessment, Port of Tacoma, WA.**

Roy managed groundwater investigations for metals, PCBs, and petroleum. A model was used to evaluate impacts on recontamination of the sediment cap from upgradient groundwater.

**Terminal 5/PSR CERCLA Site, Transport Modeling, Port of Seattle, WA.**

Developed a contaminant transport model that was used to evaluate the potential of contaminated groundwater to impact sediment and offshore water quality.

**Terminals 18 and 46, Dewatering Assessment, Port of Seattle, WA.**

Managed aquifer test programs and developed dewatering recommendations for construction of stormwater water quality treatment vaults at a very active port facility.



**Groundwater Investigation (RFI), Duwamish Waterway, Seattle, WA.**

Conducted a multiphase RCRA hydrogeologic investigation of a 100-acre former manufacturing facility. Activities included well installation, soil sampling, water quality assessment, tidal studies, and aquifer testing. Prepared a detailed evaluation of the total mass loading and water quality goals for chemicals in groundwater discharging to the Duwamish Waterway that would minimize impacts to sediment and surface water quality.

**Former Louisiana-Pacific Log Yard Facility, Port of Tacoma, WA.**

Conducted a groundwater monitoring program for evaluating the effectiveness of a cap placed over arsenic-contaminated slag material at site located on the Hylebos Waterway. The analysis showed that the cap was effective in preventing leaching of metals to groundwater.

**Risk Evaluation, Hylebos Waterway, Commencement Bay, Port of Tacoma, WA.**

Evaluated the risk of chemicals (metals and petroleum hydrocarbons) in groundwater and stormwater from adjacent sites to contaminate sediment in waterway.

**Groundwater Remediation Analysis, Occidental Chemical Marine Terminal, Tacoma, WA.**

Provide technical hydrogeology oversight and developed approach for a CERCLA site to evaluating groundwater remedies for plume discharging to active waterway.

**Pacific Sound Resources Remedial Investigation/Feasibility Study (RI/FS), Seattle, WA.**

Senior Hydrogeologist responsible for providing technical hydrogeology support for an CERCLA RI/FS at a former wood treatment site along the waterfront for the EPA. The site was developed on pile supported hydraulic dredge fill in Elliott Bay. Services included evaluating the design, construction, and implementation of groundwater monitoring systems and site hydrogeology characteristics.

**Remedial Investigation/Feasibility Study, Asarco Sediments, Tacoma, WA.**

As Senior Hydrogeologist, provided technical oversight and cleanup plan support for CERCLA RI/FS for sediment and groundwater at former Asarco smelter. Developed probabilistic approach using Monte Carlo methods to develop evaluate groundwater mass loading rates to the bay. Provided technical review of the groundwater sampling plans, and studies of tidal-influenced groundwater levels and prepared groundwater load determinations.

**Technical Review, Various Sites, Commencement Bay, WA.**

Provided technical review for the EPA for various proposed or constructed sediment disposal sites in the Hylebos, Blair, Theo Foss, Sitcum and Milwaukee Waterways within the Commencement Bay Superfund sites. Tasks included review of the work plans, groundwater investigations and remedial designs to determine if they meet the projects and protectiveness to human health and the environment.

**Groundwater Monitoring, PACCAR Superfund Site, Renton, WA.**

Roy is the Project Manager for an ongoing groundwater monitoring program to evaluate the effectiveness of soil and groundwater remediation at an industrial site

