Edward Green

Science

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Environmental scientist with 8 years across consulting and municipal work, focused on water quality and contaminant fate. Have led sampling programs, written state-permit deliverables, and moved between field, lab, and modeling work as projects require.

PROFESSIONAL EXPERIENCE

Senior Environmental Scientist, Cascadia Environmental Consulting, Seattle, WA — 2020 – Present

- Lead scientist on a five-year groundwater monitoring program at a former manufacturing site, covering 22 wells and quarterly reporting to Ecology.
- Built a per- and polyfluoroalkyl substances sampling and analysis plan that aligned with the federal drinking-water method once it was finalized, and trained four field staff on low-flow technique.
- Wrote the human-health risk assessment section of a feasibility study that supported a $2.4M remedy selection.
- Managed subcontracted lab work across three commercial labs, tracking holding times and data-validation flags.
- Client lead for two mid-sized industrial accounts, including scoping and change orders.

Environmental Scientist, Puget Sound Regional Water Authority, Tacoma, WA — 2017 – 2020

- Ran a routine surface-water monitoring program across 11 stream stations, including field parameters and grab samples for nutrients and metals.
- Rewrote the quality assurance section of the program's sampling plan and cut resample rates on flagged data by roughly a third.
- Coordinated with tribal and county partners on shared datasets and joint reporting.
- Presented annual water-quality trends to the utility board.

Staff Scientist, Harborline Geosciences, Portland, OR — 2015 – 2017

- Conducted Phase I and Phase II environmental site assessments per standard industry protocols.
- Logged soil borings and installed monitoring wells on brownfield redevelopment sites.
- Drafted sections of remedial investigation reports for review by senior staff.

EDUCATION

- M.S., Environmental Science, University of Washington, 2015
- B.S., Geology, Oregon State University, 2013

KEY SKILLS

- Groundwater and surface-water sampling (low-flow, passive)
- Federal analytical methods and data validation
- ArcGIS Pro and open-source geographic information systems
- Per- and polyfluoroalkyl substances sampling protocols and matrix considerations
- Human-health and ecological risk assessment
- Groundwater modeling (MODFLOW, basic)

- R and Python for environmental data analysis
- 40-hour HAZWOPER (current)
- Report writing for state and federal agencies
- Project budgeting and subcontractor management