

**Kelsey Cheverie** | Geo-Environmental Engineer, B.Sc. Eng., P. Eng.

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#### Professional Summary:

Ms. Cheverie is a Project Manager based in Atlantic Canada and has over 8 years of experience in the field of environmental consulting. Kelsey is experienced in the planning and execution of investigations related to environmental concerns in groundwater, soil, surface water, sediments, and potable water for a broad range of project and client needs. She is mindful of the health and safety of herself and others during all project phases, with consideration of specific hazards unique to the nature of work being carried out. As a project manager, she is involved with client communications, conducting site assessments, logistic and budget planning, data interpretation, and technical report writing.

#### Project Experience:

**Lead Feasibility Studies** for various remote Department of Fisheries and Oceans (DFO) island sites in Nova Scotia and New Brunswick, related to impacts associated with lead painted structures. Kelsey supported the planning and execution of the sampling programs, which included soil, surface water, sediment, small mammal, plant, and insect collection to support ecological and human health risk assessments and subsequent data management and reporting.

**ML/ARD Monitor** for the Trans Mountain Pipeline Expansion Project (spreads 3/4A) in British Columbia, Kelsey was responsible for bedrock sampling and processing to support the ML/ARD (metal leaching/acid rock drainage) characterization of rock encountered during trenching activities. Other responsibilities included routine construction monitoring in ML/ARD characterized areas to observed extents of bedrock, assigning stockpiles IDs to track bedrock re-use material and landfill disposal volumes, communicating rock handling requirements to contractors, and communicating all observations to the Client ML/ARD coordinator.

**Project Professional** responsible for the project management of three marine water lot assessments at DFO Small Craft Harbours (SCH) in Nova Scotia. Kelsey was involved in the planning and execution of each sampling program which included the collection and processing of marine sediment, benthic invertebrates, and biological tissue (lobsters and bivalves) with the assistance of subcontracted marine divers. She provided regular project updates to the client, relating to project milestones and deviations from original scope and budget based on actual site conditions.

**Groundwater and Surface Water PFAS Investigations** at former firefighting training areas at the Fredericton, Moncton, and Charlottetown airports. Kelsey completed sampling of shallow and deep groundwater monitoring wells installed within areas where former firefighting activities took place to monitor PFAS impacts related to these activities, following stringent decontamination protocol and hygienic requirements. At the Fredericton airport, she completed multi-year seasonal monitoring of the shallow groundwater zone and surface water drainage to assess potential migration of PFAS to off-site receptors, and the deep groundwater zone to confirm the absence of PFAS in the aquifer supplying residential homes drinking water. Additionally, she was responsible for data interpretation and reporting of findings.

**Drinking Water Quality Assessments** at numerous Federal Government Facilities and residential homes across Atlantic Canada. Related projects ranged from groundwater quality assessments for the purpose of collecting baseline aquifer chemistry, evaluating pre- and post-treatment drinking water quality to confirm effective treatment and compliance to Health Canada Drinking Water Guidelines at consumption points, and to determine if residual chlorine values were maintained in drinking water at municipally supplied facilities.

**Borehole Logging, Environmental Sampling, and Monitoring well installations** for various projects. Kelsey completed environmental soil sampling via split spoons and sonic drilling for various parameters such as PHCs, metals, and PFAS while following appropriate decontamination procedures between samples. When necessary, monitoring wells were installed within the water table, and developed prior to sampling for groundwater chemistry.

**Hydrogeological Investigation** at a remote closed mine site, related to the management and treatment of metal leaching and acid rock drainage (MLARD). Field activities included groundwater monitoring well installation, groundwater and surface water sampling, hydraulic conductivity testing, test pitting, buried drain sampling and flow monitoring (via flow module and salt tracer testing), and pressure and temperature transducer installations. Kelsey was also responsible for processing the associated field data, daily field reporting, and technical reporting in addition to managing logistical planning of field equipment, vehicles, personnel, and laboratory submissions in a remote environment.

**Remedial Monitoring** at a closed mine site in New Brunswick with a complex hydrogeological environment. An indicating parameter for the contaminant of concern was conductivity, which was monitored on a routine basis to confirm proper function of the remedial systems and to identify potential migration towards receptors. Kelsey supported the collection of in-situ field parameters, groundwater and surface water samples for laboratory analysis, stream flow measurements, and automated logging data (associated with multiport FLUTE systems and pressure/temperature transducers). In addition, she heavily supported the completion of annual reporting with attention to strict timelines and budgets, which included field data management and interpretation, delegating reporting responsibilities, and technical writing and review.

**Professional Experience:**

EFI Global Canada Inc.  
2024 – Present  
Project Manager

WSP E&I (formerly Wood PLC; formerly Amec Foster Wheeler).  
2015 – 2023  
Technical Professional

**Specialized Education:**

Workplace Hazardous Materials Information System (WHIMS)

**Education:**

Bachelor of Science in Engineering (Geo-Environmental), University of New Brunswick, 2015