

Creek and Ravine Restoration as follow-up to Remediation



Project Profile

Overland spills of condensate from site operations migrated down a steep ravine (120 m), into, and along 75 m of non-fish bearing tributary creek. The remediation consisted of 3,000 m³ of CL+ and 1,000 m³ of HW contaminated soil from the creek and 12,000 m³ of CL+ and 600 m³ of HW contaminated soil from ravine leading into creek.

Issue

The ravine was steep, with a 2% downward slope to the creek and up to 6% slope on its one embankment side. The creek was overgrown and narrow, and had a steep embankment on one of its sides. The sheer volume of contaminated soil and the challenging terrain limited room for maneuverability of equipment and crew.

Solution

We obtained OGC Approval for Work in and about a stream. To reduce water management issues, we completed both the remediation and reclamation during winter months.

Outcome

We successfully restored the creek and ravine with minimal subsidence.