

Post Construction Reclamation Assessment

Quick Facts

Client: Midstream Company

Location: East Central Alberta

Division: Planning

Project Type: Pipeline Reclamation

Inception Date: 2019

Completion Date: 2023

KEY SERVICES

- Soil and landscape monitoring involves assessing soil profiles to determine contouring and drainage re-establishment, erosion and soil stability, compaction, subsidence, admixing, as well as the presence of coarse fragmentation and construction debris.
- Vegetation monitoring entails assessing revegetation growth, species composition, cover, health, and the presence of weeds.
- Watercourse and wetland monitoring includes assessing crossing locations and riparian areas for contour and drainage patterns, bank stability, erosion, revegetation, and weed presence.

PROJECT OVERVIEW

H3M conducted over 120 kilometers of post-construction reclamation assessments (PCRAs) to evaluate the success of reclamation activities along areas disturbed during pipeline construction. The goal was to visually identify any residual environmental effects and predetermine the actions necessary to address unresolved environmental issues to the satisfaction of the landowners and the applicable government agencies.

SCOPE OF WORK

The H3M team conducted the PCRA, which assessed topography, soil, vegetation, wetlands, watercourse crossings, weed distribution, and other issues along the constructed right-of-way, comparing them to adjacent conditions. During this process, H3M crossed over 150 wetlands and identified seven watercourses, two fish species, twelve rare plant species, five rare ecological communities, and four noxious weed species.

The project included resource-specific mitigation and monitoring measures outlined in the Conservation and Reclamation Plan, Environmental Alignment Sheets, and Environmental Protection and Enhancement Act (EPEA) Approval Conditions. H3M managed an Environmental Issues List documenting year-over-year whether specific reclamation issues have been successfully resolved, along with the proposed mitigation and corrective measures to address unresolved problems, ensuring the successful reclamation of the project resulting in equivalent land capability.

