

INDIGENOUS MONITOR OVERVIEW REPORT

Month: October 2023

**Project Region: Edmonton and
Yellowhead**

Indigenous Monitor days on-site: 26

**Kilometre Posts (KPs) monitored:
KP 1–337**

Indigenous Monitors on the Trans Mountain Expansion Project – Overview

The Trans Mountain Expansion Project (the Project or TMEP) is retaining Indigenous Monitors as integrated members of its construction Environmental Inspection team. Indigenous Monitors work with Environmental Inspectors to monitor compliance with mitigation measures to minimize impacts to traditional resource use and cultural/heritage sites during construction. Indigenous Monitors have a strategic role in providing traditional knowledge directly and pragmatically to construction oversight practices and bring an Indigenous lens to daily environmental inspection activities.

This Overview Report provides highlights of the Indigenous Monitors' day-to-day work and key mitigation measures observed by the Monitors related to Project construction in the Edmonton and Yellowhead Regions. The purpose of this report is to provide an update on Indigenous Monitor activity to Indigenous groups.

During this reporting period, key activities in the Edmonton and Yellowhead Regions involving Indigenous Monitors included inspecting the Edmonton Terminal, Spread 2 right-of-way reclamation, Traditional Land Use (TLU) sites, watercourse restorations and erosion and sediment control (ESC). Pipeline construction on Spread 1 and Spread 2 is mechanically complete. The Project Construction Progress Report (Condition 106) for October 2023, which reports environmental events and deficiencies in Tables 4 and 5 respectively, is found [here](#).

The Project has a process for sharing information related to potential Traditional Land Use (TLU) and Heritage Resource chance finds during construction. The [Protecting TLU and Cultural Heritage Resources Fact Sheet \(link here\)](#) provides an overview of the chance find communication process. Applicable Indigenous groups are notified and engaged directly on potential chance finds.

For more information: email info@transmountain.com or call 1.866.514.6700.

Edmonton Terminal Inspection

Construction at Edmonton Terminal is complete. Strategies for avoiding or reducing potential environmental impacts are employed at all stages of construction by following the Environmental Protection Plans.

A joint inspection was conducted at Edmonton Terminal by the Environmental Inspector and Indigenous Monitor. Observations included general housekeeping.

Waste management was inspected as well as secondary containment for equipment and fuel storage tanks. Walking paths were kept clear. Spill kits and spill response procedures were also reviewed in the field. Key compliance measures were reviewed and mitigations were in place.



Edmonton Terminal tanks.



West manifold area Edmonton Terminal.



Containment basin complete Edmonton Terminal.

Traditional Land Use Sites (TLU)

Resource-Specific Mitigation Tables and Environmental Alignment Sheets are used to illustrate locations of, and summarize specified mitigation for, previously identified historical resources and TLU areas. Such locations have been identified via TLU studies conducted by Indigenous groups and archaeology baseline assessments conducted in relation to the Project over many years.



Regrowth at TLU-3.

Indigenous Monitors inspected previously identified TLU sites along the right-of-way on Spread 2 to confirm mitigation measures remain in place, including signage, staking and flagging.

Indigenous Monitors inspect TLU sites with a focus on sites near active construction to ensure mitigation measures are protecting Heritage Resources. Sites inspected include but are not limited to TLU-3 and TLU-9.

An Indigenous Monitor also performed an inspection on a plant gathering site. The Indigenous Monitor confirmed Project activities are confined to approved work boundaries and that boundary signage is in place. The Indigenous Monitor noted that inspected mitigation measures remained in compliance. No cultural or environmental concerns were identified.



Reclamation complete and seeded at TLU 9.

Spread 2 Right-of-Way Reclamation

Subsoil is de-compacted to alleviate compaction caused by construction activities before topsoil replacement. Acceptable topsoil depths are confirmed by an Environmental Inspector during final cleanup. Multiple measurements are taken of topsoil replacement quality and depth. After the contractor has properly prepared the ground, the area is seeded with the approved mix that reflects the vegetation profile from pre-disturbance.

Indigenous Monitors were on-site inspecting various reclamation activities on Spread 2, including discing for soil decompaction, topsoil replacement, confirming topsoil depth and seeding. Indigenous Monitors were engaged in conversations with crews and Environmental Inspectors. All compliance objectives observed throughout the inspections were confirmed in place.



Reclamation and seeding complete KP 112.



Reclamation and seeding complete KP 135.



Reclamation complete and valve installed KP 144.

Watercourse Restoration Inspection

Environmental mitigation measures for in-stream construction of watercourse crossings are prescribed in the provincial permits and the watercourse crossing plans, and in some cases, a Fisheries and Oceans Canada (DFO) authorization. When in-stream work is complete, Indigenous Monitors regularly monitor watercourse crossings. Erosion and sediment control (ESC) measures are monitored; these measures mitigate erosion and sediment transport from construction sites to downstream areas and watercourses. On-site ESC mitigations may include sediment fences, swales, wattles, rock armouring, erosion control blankets and hydroseeding, as well as water drainage control measures.

Indigenous Monitors inspected the effectiveness of restorations completed at AB-157 at KP 297, AB-167 at KP 307 and AB-202 at KP 337. This included observing site transplant areas, including erosion control blanket, willow stakes in riparian zones, reseeded in previously excavated and backfilled areas, rock armouring and stream bed material replacement. No deficiencies were identified.



ESC in place at AB-167 KP 307.



Regrowth and ESC in place AB-202 KP 337.



ESC functioning at AB-157 KP 297.




Indigenous Monitor Request Dashboard

Indigenous Monitors are provided with daily on-site field support from Environmental Inspectors and office support from Indigenous Monitor Coordinators. Indigenous Monitors can also make specific support requests or submit questions through their daily report. Examples include but are not limited to requests for Project reports (beyond any reports or documents requested and shared through day-to-day team activity on-site), input from an environmental resource specialist or on-site support from an Elder or other cultural knowledge holder. Requests and their completion status are noted below.

Status	Rolling Total and Type of Requests				
	Project Reports/Documents	Environmental Resource Specialists	Elder/Cultural Knowledge Holder	Other	Total
Total	7	1	8	-	16
Fulfilled	7	1	8	-	16
Outstanding	-	-	-	-	-

This report has been reviewed by the active Indigenous Monitor(s)

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