

INDIGENOUS MONITOR OVERVIEW REPORT

Month: February 2022

**Project Region: Edmonton and
Yellowhead**

Indigenous Monitor days on-site: 24

**Kilometre Posts (KPs) monitored:
KP 1–377**

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 monitoring Spread 1, Edmonton Terminal inspections, Traditional Land Use (TLU) sites and watercourse crossings. Pipeline construction on Spread 1 is mechanically complete; some final Project activities on the Spread 1 right-of-way are anticipated to resume in mid-spring 2022. The Project Construction Progress Report (Condition 106) for February 2022, 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 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.

Trans Mountain COVID-19 – Our Response

Trans Mountain is actively monitoring the COVID-19 situation with the help of federal, provincial and local agencies. Trans Mountain's top priority remains the health and safety of its workforce, their families and our communities.

For more information: transmountain.com/covid19

Spread 1 Monitoring

Construction on Spread 1 is mechanically complete, with final cleanup and reclamation scheduled for spring. Though very little activity is underway on Spread 1, intermittent monitoring is taking place. In February, an Indigenous Monitor and an Environmental Inspector completed inspections on the spread.

Erosion and sediment control fence were inspected and found to be in good repair to perform as required in spring at KP 48.

A valve site was inspected and found to be secure at KP 18. Valve connections are among the last construction efforts to be completed this spring. No concerns were identified during the inspections.



Valves installed KP 18.



Erosion Sediment Control installed at KP 48.

Edmonton Terminal Inspection

A joint inspection was conducted by the Environmental Inspector and Indigenous Monitor at the Edmonton Terminal. Waste management was inspected as well as secondary containment for equipment and fuel storage. Spill kits and spill response procedures were reviewed with no concerns identified.

An Indigenous Monitor inspected the Edmonton Terminal and observed construction activities around the new storage tank, the excavation for the sump tank, new pipe rack, containment walls and the tie-in manifold. The containment wall was under construction, with installation going as planned. One of four tie-ins on the manifold was completed and backfilled. Deficiencies observed are reported to the Environmental Inspector who submits the corrective actions to the General Construction Contractor. No deficiencies were found at the time of inspection.



Piles and construction of containment walls on the west end of Edmonton Terminal.



Tie-in to manifold at East Edmonton Terminal. Backfill complete on one tie-in.

TLU Sites

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 that have been conducted in relation to the Project for more than seven years.

If a site or location is observed in the field that may be a previously unidentified TLU area, the TLU Site Discovery Contingency Plan is followed.

Indigenous Monitors inspected previously identified TLU sites along the right-of-way on Spread 2, including but not limited to TLU-2, TLU-6, TLU-7, TLU-8, TLU-9, TLU-12, TLU-13, TLU-14, TLU-17, TLU-19, TLU-22 and TLU-23. Mitigation measures in place included signage, staking and flagging.

Indigenous Monitors assist in identifying corrective actions and work with the Environmental Inspectors to confirm completion. An Indigenous Monitor inspected the pictured TLU sites to confirm the root zone soil material remained labelled and stockpiled separately. No outstanding deficiencies were found at the above-mentioned sites.



TLU-2 west view KP 86.



Proper signage in place at TLU-8 KP 131.



Cleanup complete at TLU-23 KP 221.

Watercourse Crossings In-Stream Work

Environmental mitigation measures for in-stream construction of watercourses are prescribed in the provincial permit and the watercourse crossing plan, and in some cases, a Fisheries and Oceans Canada (DFO) authorization. Mitigation measures required for in-stream construction include but are not limited to biosecurity cleaning of equipment, secondary containment of hydrocarbons, salvaging of stream bed material, fish salvage, water quality monitoring and sediment/erosion control.

In addition to regular watercourse monitoring, Indigenous Monitors took part in a DFO inspection. The group inspected all active DFO sites on Spread 2. Each site was at a different phase in construction, highlighting the importance of the above-listed mitigation measures through the various phases of construction. The Indigenous Monitors present engaged in conversations about each crossing with DFO representatives and representatives from their Nation. No deficiencies were identified during the inspection. Indigenous Monitors are invited to review and contribute to Alberta Isolated Trenched Crossings Monthly Report prior to submission to the DFO.

DFO Progress

In February, AB-157 Roundcroft Creek, AB-167 Trail Creek and AB-178 unnamed creek were all completed. Indigenous Monitors continue to inspect mitigation measures in place during construction at AB-153 Rooster Creek, AB-153a unnamed creek and AB-202 unnamed creek.



Hard wrap and rock armour used for stream bank restoration at Little Brule Creek AB-111 KP 172



Reclamation complete at AB-167 Trail Creek KP 307.



Reclamation complete at AB-178 unnamed creek KP 317.

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, 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	6	1	5	-	12
Fulfilled	6	1	5	-	12
Outstanding	-	-	-	-	-

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

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