

INDIGENOUS MONITOR OVERVIEW REPORT

Month: November 2021

Indigenous Monitor days on-site: 24

**Project Region: West Barriere
Reactivation 2**

**Kilometre Posts (KPs) monitored:
KP 741.00–784.00**

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 approved mitigation measures to minimize impacts to traditional resource use and cultural/heritage sites during construction.

Operations and maintenance work, including integrity digs and sleeve replacements occurring along the deactivated pipeline segments in the West Barriere region is not part of TMEP nor subject to TMEP Conditions. However, Trans Mountain will be including Indigenous Monitors during certain operations and maintenance work in reactivation areas as it relates to preparing for future TMEP construction activities.

This Overview Report provides highlights of the Indigenous Monitors' day-to-day work and key highlights observed by the Monitors in the Reactivation West Barriere Region (Darfield to Black Pines). 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 Reactivation West Barriere Region involving Indigenous Monitors took place from KP 741 to 784 and included monitoring site housekeeping, culturally modified tree (CMT) chance find sweeps, erosion and sediment control measures and backfill activities. The Project Construction Progress Report (Condition 106) for November 2021, 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.

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

Site Housekeeping

The Indigenous Monitor conducted regular inspections at sleeve 234, near KP 744 for general housekeeping measures. This included observing and documenting garbage and recycling disposal, scrap metal management, waste storage and fuel storage (secondary containment).

Spill kits were inspected for volume and types of spill response material and to ensure the appropriate placement in relation to work fronts. Drip trays were inspected under stationary equipment to make sure they were present when parked. Cleanup continued as labourers removed matting from the site. No concerns were identified during the inspections.



Site housekeeping and cleanup at sleeve 234, near KP 744.

Culturally Modified Trees (CMT)

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.

Near dig site 17 at KP 759, the Indigenous Monitors conducted CMT sweeps ahead of construction activity. The trees in the area were deemed not culturally modified during the IMs CMT sweep. No chance finds were identified.



KP 759 CMT sweep, general area.

Erosion and Sediment Control

Site-specific erosion and sediment control (ESC) measures are implemented to prevent sediment-laden runoff from leaving the right-of-way or from entering watercourses and wetlands during construction activities along the spreads.

The Indigenous Monitors worked with the Environmental Inspectors and the construction crews to monitor and inspect various types of ESC mitigation measures at KP 747 and KP 744. A mitigation measure the Indigenous Monitors observed at each location was that silt fencing (a temporary sediment control device used on construction sites to protect water quality in nearby streams from sediment in stormwater runoff) was installed and functioning properly. Another ESC measure monitored included the placement of straw waddles to reduce surface water flow velocity. Indigenous Monitors also checked culverts to ensure blockages were not occurring that would impede downstream flow. Housekeeping measures at each site were monitored with no deficiencies identified by the IMs.



Installed waddles near KP 744.

Trench Backfill

Backfilling activities have commenced at KP 757. Once the pipeline is in place, select backfill may be used to bed and protect the pipe. Following this, subsoil and topsoil are replaced in the sequence in which they were removed.

The Indigenous Monitors observed the operators screening the subsoil to segregate the heavy rocks. Inspections were conducted for the excavated soil placed in the trench over the installed pipe. The Indigenous Monitors observed sand and subsoil being backfilled over the pipe prior to topsoil being replaced and ensure backfill activities are confined to the construction right-of-way. No issues or chance finds were identified.



Subsoil screening, segregating heavy rock.



Backfill of excavated area at KP 757.




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: request for Project reports, input from an environmental resource specialist or on-site support from an Elder or other cultural knowledge holder. Monthly 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	1	0	0	0	1
Fulfilled	1	-	-	-	1
Outstanding	-	-	-	-	-

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

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