

INDIGENOUS MONITOR OVERVIEW REPORT

Month: October 2021

**Project Region: North Thompson
(Spread 3/4Aa and Spread 4B)**

Indigenous Monitor days on-site: 26

**Kilometre Posts (KPs) monitored:
Spread 3/4A: 470–696
Spread 4B: 697–764**

Indigenous Monitors on the Trans Mountain Expansion Project – Overview

The Trans Mountain Expansion Project (the Project or TMEP) has retained 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 North Thompson Region. 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 North Thompson Region involving Indigenous Monitors took place from KP 470–696 in Spread 3/4A and 697–764 in Spread 4B and included pump station inspections, erosion and sediment control measures, soil salvage and culturally modified tree inspections. The Project Construction Progress Report (Condition 106) for October 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

Pump Station Inspections

As part of the Trans Mountain Expansion Project, 12 new pump stations are added to the pipeline system, 11 for the new pipeline and one for the existing pipeline. Pump stations are a critical component of the operations of the pipeline system. They contain electric motors to drive the pumps that maintain the pressure and flow rate in the pipeline.

Indigenous Monitors worked alongside the Environmental Inspector to conduct environmental inspections at Blackpool Pump Station, McMurphy Pump Station and Blue River Pump Station. A housekeeping focus inspection was completed at each pump station. Indigenous Monitors use focus inspections to guide their inspection making sure no elements are overlooked. This document includes:

- Access egress
- Emergency Equipment Placement (condition)
- Material storage
- Tool house keeping
- Electrical outlet access and GFCI
- Waste management
- Designated smoking areas
- Standing water management
- Fuel storage

During the inspection of the Blue River Pump Station, Indigenous Monitors observed the cleanup of a spill on site. The crew on-site used proper spill kits and removed contaminated soil which was taken off-site for proper disposal. Monitors later returned to inspect the spill location to ensure there was no residual contamination. There are no outstanding environmental concerns.



Blue Water Pump Station.



McMurphy Pump Station.



Blackpool Pump Station.

Soil Salvage

Clearing, stripping and grading require several environmental mitigation measures, including properly cleaned equipment arriving to site when work begins. Soil piles are to remain within the limits of the right-of-way, be properly labelled with adequate buffers and include the appropriate frequency of breaks that allow wildlife to move through the area as they normally would.

Indigenous Monitors inspected the environmental mitigations in place for topsoil stripping and salvage. They also inspected the cleared area to identify any potential chance finds that could be unearthed. No issues or potential chance finds were identified.



Bucket Packed Break KP 671+500.



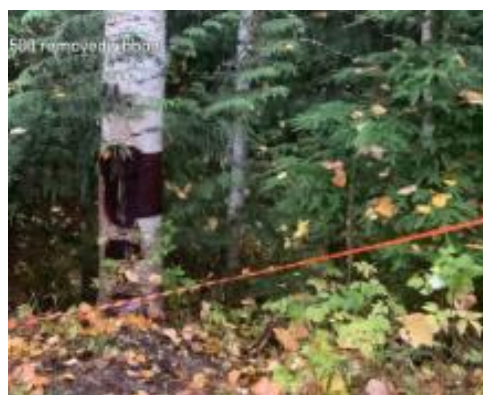
Clearing activity completed KP 671+500.

Culturally Modified Trees (CMT)

Resource-Specific Mitigation Tables (RSMT) 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. In the event a site or location is observed in the field that may be a previously unidentified traditional land use area, the TLU Site Discovery Contingency Plan is followed.

With all preliminary CMT sweeps completed in previous months, clearing crews have started their work. Indigenous Monitors are called upon during clearing activities to assess potential chance finds and to complete CMT sweeps as access roads are constructed. At KP 603, a potential chance find was assessed. The Indigenous Monitor determined it was not a stripped birch, but that the missing bark was caused by an impact from a machine. Clearing crews were able to continue their work.

Previously identified CMTs noted on the RSMT were inspected by an Indigenous Monitor. The location was accurate on the RSMT and the flagging and buffer zone around the trees were intact. There were no environmental or heritage resource concerns at the time of this inspection.



CMT assessment near KP 603.



Previously Identified CMT inspected.

Erosion and Sediment Control (ESC)

Site-specific sediment control measures are implemented to prevent sediment-laden runoff from entering watercourses. The Indigenous Monitors inspect the right-of-way periodically to ensure sediment control measures are in place.

At Cornet Creek as preparations are made for crossing, crews installed Erosion and Sediment Control measures. Indigenous Monitors observed that sediment fencing was installed and keyed in properly. They noted that it remained in good condition and was functioning as planned. If a deficiency was identified, an Environmental Inspector would be notified and corrective actions would promptly occur. There were no concerns identified at this location.



Cornet Creek Crossing ESC KP 671.5.



Cornet Creek Crossing ESC KP 671.5.

TMEP Linewide Indigenous Monitor Meeting

Trans Mountain Indigenous Monitors from across the Project gather annually for a team meeting to collaborate and discuss the TMEP IM program and topics of interest related to environmental inspection, monitoring and Indigenous interests.

On October 29, Indigenous Monitors from all TMEP spreads and terminal locations gathered via TEAMS web conference for a linewide meeting. This collaborative meeting covered many topics, including TMEP construction updates and milestones, support and information request mechanisms, and environmental skills development training/career progression opportunities. The Indigenous Monitors also prepared and presented information on their respective spread or location, including topics such as TLU protection, plant gathering and cultural use sites, reclamation, archaeological monitoring, erosion and sediment control, watercourse diversion, wildlife planning and mitigations, and offshore marine steel pile driving.



Erosion & Sediment Control
Creek Diversions



Westridge Marine Terminal
Mitigation Measures for Impact Pile Driving



Trans Mountain Expansion Project
Colony Farm

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 and 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	0	0	1	0	1
Fulfilled	-	-	1	-	1
Outstanding	-	-	-	-	-

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

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