

INDIGENOUS MONITOR OVERVIEW REPORT

Month: May 2022

Indigenous Monitor days on-site: 21

**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 matting installation, erosion and sediment control, topsoil stripping and spill prevention. The Project Construction Progress Report (Condition 106) for May 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 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

Erosion and Sediment Control

Erosion and sediment control (ESC) measures are monitored and inspected to ensure they are functioning as intended to mitigate erosion and sediment transport from construction sites to downstream areas, including watercourses and the marine environment. On-site ESC mitigations include; sediment fences, swales, wattles, straw, polyethylene sheeting, coco matting, hydroseeding, as well as water drainage control measures.

During Spring runoff, the Indigenous Monitors alongside the Environmental Inspector checked ESC measures in construction areas. Near Westsyde Road at KP 758, the Indigenous Monitors observed erosion and sediment control mitigations in good standing condition, including installation of straw wattles, intended to prevent slope erosion, and dewatering and sediment traps, intended to reduce runoff water and allow sediment to settle before it's discharged. Silt fencing, hoses and pumps were also identified to be in good condition. No concerns were identified during the inspections.



Straw wattles installed near KP 758.

Matting Installation

Matting is a portable platform used during pipeline construction to create paths for equipment, protect environmental features and avoid ground disturbance. It is also used on worksites and right-of-way construction to connect areas that are hard to reach (e.g., wetted areas), prevents weather-related Project delays and shields equipment and the pipeline from damage.

The Indigenous Monitors' observations at KP 759 during the installation of matting included erosion and sediment control measures including; sediment fence, wattles, erosion blankets, are properly keyed in, good housekeeping practices, matting placement, proper signage and continued avoidance at TLU sites in proximity. No concerns were identified during the inspection.



Access matting placed at KP 759.

Topsoil Stripping

Topsoil stripping continues near Whitewood Creek at KP 770. When removing soil in construction areas, required mitigation includes segregation of topsoil from root zone material, proper storage to reduce potential erosion, stockpile labelling and inspection of soil piles to ensure they are within the survey limits of the right-of-way.

The Indigenous Monitors noted mitigations for the topsoil piles to reduce erosion potential including grading, applying tackifiers and reducing ponding. The Indigenous Monitors also inspected the construction areas before and after soil stripping to identify any potential archaeological chance finds. No potential archaeological chance finds were identified.



Soil stripping activities near Whitewood Creek.



Stockpile storage and labelling.

Black Pines Pump Station

As part of the Trans Mountain Expansion Project, 12 new pump stations will be added to the pipeline system, 11 for the new pipeline and one for the existing pipeline. Pump stations are critical components of the pipeline operations system, containing electric motors to drive the pumps to move oil through the pipeline.

At Black Pines Pump Station, Indigenous Monitors completed site inspections. The inspection included; observing and documenting general housekeeping, waste management, hazardous materials storage and soil stripping activities.

During the inspection, spill kits were inspected for containment volume and spill response material and to ensure the appropriate placement in relation to work fronts. Soil stripping and grading activities were monitored for cultural and heritage chance finds. The Indigenous Monitor inspected the soil piles and stripped area for any potential finds unearthed. Other soil handling mitigations documented include; segregation of topsoil from root zone material, proper storage to reduce potential erosion, effective labelling and signage, and inspection of soil piles to ensure they are within the survey limits of the right-of-way. The Indigenous Monitors observed that compliance measures were being adhered to and no potential chance finds were identified during the inspection.



Black Pines pump station soil handling inspection.

Black Pines Transmission Line

Construction of the Black Pines transmission line continues in a series of phased activities from the east side Highway 5 to the Black Pines Pump Station west of the North Thompson River. Activities include; archaeological assessments, topsoil stripping, assembling and raising the towers, and installation of conductors and wires.

Indigenous Monitors continue to monitor the construction activity at the Black Pines Transmission Line. The inspections included; observing archaeological impact assessment crews, equipment using drip trays, on-site stormwater management, soil buffers and stockpile placement locations and TLU signage. The Indigenous Monitor inspected the soil piles and stripped area for any potential finds unearthed. No concerns or potential chance finds were documented during the inspection.



Stripping and grading activities at Black Pines Structure 3.

Spill Prevention

Under Trans Mountain's spill prevention plan, the General Construction Contractor on-site follows refueling procedures to mitigate spills that could occur during construction activities.

The Indigenous Monitors observed heavy equipment executing proper spill prevention methodology at the refuelling station. The operator checked for hydraulic leaks and used drip trays and spill pads during the fuelling process. No concerns were identified during the inspection.



Drip trays placed under stationary equipment, and spill kits accessible.




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. 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	3	0	0	0	1
Fulfilled	3	-	-	-	1
Outstanding	-	-	-	-	-

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

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