

INDIGENOUS MONITOR OVERVIEW REPORT

Month: April 2020

Indigenous Monitors days on-site: 26

**Project Region: Jasper to Mount
Robson Reactivation
(Hinton to Hargreaves)**

**Kilometre Posts (KPs) monitored:
327–405**

Indigenous Monitors on Trans Mountain Reactivation Activities – Overview

The Trans Mountain Expansion Project (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 in order to minimize impacts to traditional resource use and cultural/heritage impacts during TMEP construction.

Operations and maintenance work, including integrity digs and sleeve replacements occurring along the deactivated pipeline segments in Jasper National Park and Mount Robson Provincial Park, 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 Jasper to Mount Robson Reactivation region (Hinton to Hargreaves), specifically Jasper National Park. The purpose of this report is to provide an update on Indigenous Monitor activities to Indigenous groups. During this reporting period, key activities in the Jasper to Mount Robson Reactivation region involving Indigenous Monitors included inspection and monitoring activities within Jasper National Park related to soil handling and storage, cleanup and reclamation, dewatering and grey water management, and wildlife management.

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 our workforce, their families and our communities. Trans Mountain and its construction contractors are working diligently together to adhere to all advice and direction from government and health officials, while ensuring the safe uninterrupted operation of the Trans Mountain Pipeline and the continued, safe construction of the Expansion Project. Measures being undertaken at construction sites include: temperature screening; following physical distancing guidelines; staggering work shifts and breaks; eliminating or minimizing in-person meetings; enhancing cleaning and sanitizing; and ensuring workers orientation includes COVID 19 expectations, awareness and prevention.

For more information: transmountain.com/covid19

Soil Handling and Storage

Topsoil and subsoil are salvaged and stored from construction locations where ground disturbance occurs (i.e., excavation, grading, hydrovac) to avoid and reduce effects on topsoil and subsoil material productivity, surface drainage patterns, land use and wildlife habitat. This also conserves surface material to be used during reclamation.

The Indigenous Monitors inspected various reactivation dig sites and sleeve removal areas to ensure appropriate topsoil and subsoil handling and storage activities occur and conform with the Environmental Protection Plan and Jasper Park-specific mitigation measures. These activities include but are not limited to, inspecting that environmental features and associated buffers are staked, flagged and signed, and that soils (including rare plant soil) are stored separately with erosion and sediment control mitigations in place.



Topsoil being separated before covering.

Cleanup and Reclamation

Cleanup and reclamation are important steps in returning disturbed sites to a stable condition similar to the condition the site was in prior to the digs.

Mitigation measures implemented during reactivation cleanup and reclamation include removing debris and materials; re-establishing the construction site to a stable condition; re-establishing positive drainage across the worksite; preventing surface material loss due to soil erosion by wind and water; establishing a vegetative cover compatible with surrounding vegetation and land uses, and deterring the proliferation of weeds, all to maintain equivalent land capability.

The Indigenous Monitors inspected and participated in cleanup and reclamation activities, including monitoring of site housekeeping efforts, inspecting transplant areas including willow stakes in riparian zones and assisting with re-seeding in previously excavated and backfilled areas.



Willow stakes on riparian zone.

Excavation Dewatering During Sleeve Removal

There are various sites in reactivation that require removal of previously installed pipeline sleeves. During construction activity, water that accumulates within the sleeve excavation area from precipitation or groundwater seepage is visually assessed prior to being discharged to areas approved by the Environmental Inspector. This water is discharged through a sediment control device and into the vegetation and soils in areas where it will quickly infiltrate into soils and not return directly to a water body.

The Indigenous Monitors inspect the pump-off of water during these sleeve excavations to monitor that water management mitigation measures are followed.



Grey water filtration device.

Wildlife Management

Mitigation measures including fencing around construction areas and wildlife sweeps have been developed to minimize potential effects on wildlife in Jasper National Park and to protect the safety of workers related to potential wildlife interactions. Indigenous Monitors inspect fencing around construction areas to ensure they are functional and keeping wildlife from entering.

Indigenous Monitors also participate in wildlife sweeps (e.g., walking around looking for wildlife or signs of wildlife) in areas where construction activities are occurring. Some of the species wildlife sweeps conducted include, but are not limited to, Colombian ground squirrels, elk, deer, Pileated woodpecker and several species of raptors.

In addition to the sweeps, a Jasper National Park Wildlife Management Plan is followed to avoid or reduce the risk and severity of wildlife conflicts during construction. Part of this plan is reporting wildlife sightings so appropriate mitigation measures can be followed if necessary.



Pileated woodpecker tree.

Indigenous Monitor Request Dashboard

Indigenous Monitors are provided 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	Number and Type of Requests				
	Project Reports/Documents	Environmental Resource Specialists	Elder/Cultural Knowledge Holder	Other	Total
Total	0	0	0	0	0
Fulfilled	-	-	-	-	-
Outstanding	-	-	-	-	-

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

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