

INDIGENOUS MONITOR OVERVIEW REPORT

Month: July 2020

Indigenous Monitors days on-site: 18

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

**Kilometre Posts (KPs) monitored:
327–465**

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 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 related to cleanup and reclamation, wildlife observation and management, flagging and staking of environmental features, and regulator meetings.

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

Cleanup and Reclamation

Cleanup and reclamation are important steps in returning disturbed sites to a stable condition similar to the site's condition prior to the construction activity.

Mitigation measures implemented during reactivation cleanup and reclamation at dig sites include removing wooden access mats and cleaning up associated matting debris and materials; re-establishing the construction site to a stable condition; replacing salvaged topsoil/root zone material and surface soils in proper sequence; 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 backfill of dig areas replaced with rare plants and topsoil, transplant areas including willow stakes in riparian zones, and assisting with re-seeding in previously excavated and backfilled areas.



Restoration of riparian area.



Woody debris regeneration.

Wildlife Observation and Management

Indigenous Monitors inspect reclaimed construction areas for returning wildlife and participate in wildlife sweeps (e.g., walking around looking for wildlife or signs of wildlife like scat or wildlife trees) in areas where construction activities are occurring or are about to occur. Some of the species observed during wildlife sweeps conducted include ground squirrels, elk, deer, chipping sparrows, dark-eyed juncos, warbling vireo, robins and several species of raptors. Wildlife observation is especially important in the spring when animal activity increases and migratory birds return.

The Indigenous Monitors participate in wildlife sweeps and bird sweeps, alongside Trans Mountain's Resource Specialists as part of the wildlife management program and nesting bird risk assessment and mitigation procedure.



Robin's eggs.

Regulator Meetings

Fisheries and Oceans Canada (DFO), Parks Canada and the Indigenous Advisory Monitoring Committee (IAMC) participated in a tour of active construction sites in the reactivation area. Some of the areas toured and topics discussed included restoration and reclamation of construction sites, fish habitat, construction housekeeping and heritage resources.

The Indigenous Monitors participated in the DFO, Parks Canada and IAMC tour and were active participants in discussing the effectiveness of ongoing environmental mitigation and monitoring measures in the reactivation construction area.



Staking efforts for reclamation demonstrated during tour.

Inspection of Environmental Features

The Indigenous Monitors conducted inspections in areas of known environmental features to check on flagging/marking and to verify buffer zones are the correct distances.

As part of pre-construction activity, environmental features such as wildlife species of concern, rare plants and rare ecological communities, archeological features, wetlands, watercourses, Traditional Land Use (TLU) sites and any other sensitive environmental features are staked, flagged and sometimes fenced by Resource Specialist teams. The features are clearly marked so they can be appropriately protected during construction.



Vegetation plotting stakes in place.

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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