

INDIGENOUS MONITOR OVERVIEW REPORT

Month: March 2020

Indigenous Monitors days on-site: 27

**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 construction yard maintenance and housekeeping, wildlife sweeps, topsoil salvage and replacement, watercourse crossings, and reclamation (e.g., seeding and planting).

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

Wildlife Sweeps and Wildlife Sightings

Mitigation measures, including general wildlife sweeps, have been developed to minimize potential negative effects on wildlife in Jasper National Park, and to protect the safety of workers related to potential wildlife interactions. Indigenous Monitors participate in wildlife sweeps (e.g., walking around looking for wildlife or signs of wildlife) in areas where reactivation activities are occurring. Some of the species wildlife sweeps conducted include, but are not limited to, Colombian ground squirrels, elk, deer and raptors. The restricted activity period for raptor nesting begins March 15 and the migratory bird restricted activity period for other species starts April 24 within Jasper National Park. During this time period, nest sweeps are required prior to the start of construction.

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.

The Indigenous Monitors have been reporting wildlife sightings, such as observance of elk near the right-of-way.



Elk or deer rub tree identified by Indigenous Monitor.

Construction Yard Inspection

Trans Mountain has built a temporary construction yard near Jasper, Alberta to support reactivation activities. This site is used for delivery and storage of materials and equipment and includes temporary office structures.

Indigenous Monitors conduct environmental inspections of the yard to ensure Project requirements are being followed. This includes observing and documenting general housekeeping, garbage and recycling disposal, scrap metal management, waste storage, fuel storage, and vehicle and equipment parking and wash areas.



Steel matts stored at Jasper construction yard.

Watercourse Crossings

There are various locations in Jasper National Park where the pipeline is located underneath a watercourse and operations and maintenance activities are required at that location. An isolation methodology is being used for this work. The Indigenous Monitors observe the preparatory, construction and reclamation activities of this work, inspecting the mitigation applied to the range of watercourse construction activities.

As per the Reactivation Environmental Protection Plan (EPP), as well as site specific EPPs developed for each site, watercourse mitigation measures the Indigenous Monitors are observing and inspecting include, but are not limited to, the following:

Fish Salvage:

Prior to dewatering and excavation of a watercourse crossing, a fish salvage is conducted by a qualified aquatic environmental specialist within the isolated area, in accordance with the conditions of the Restricted Activity Permit issued by Parks Canada.

Water Quality Monitoring:

Water quality monitoring (WQM) programs are implemented by resource specialists during instream works where construction may have potential to adversely affect fish habitat. Generally, WQM (turbidity and total suspended solids) is required where sportfish or species of management concern are present or have the potential to be present at the pipeline crossing.

Equipment Use and Refueling:

Refueling safe practices are required when working near watercourse crossings and may include the use of automatic shut-off nozzles, requiring a crew of two to refuel equipment and placing equipment in secondary containment where applicable. Equipment must be refueled a minimum of 100 m from any water body unless otherwise approved by Parks Canada and the Environmental Inspection team, and proper signage must be in place.



Salvaged Bull trout being released.



Water defuser used to redirect water during instream work.



Refueling signage near a watercourse.

Reclamation:

At completion of instream work, reclamation of the riparian zone is conducted including returning watercourse beds and banks to pre-construction configuration and alignment and extending replacement of cobbles and boulders. Additional work includes replacing site-specific features important for fish or other aquatic organisms, and replacing salvaged topsoil, surface soils and salvaged root zone material like rootballs (i.e., roots of shrubs and trees), in proper sequence over all portions of the construction site where soil cover was stripped.



Reclamation of soil and planting of salvaged rootballs.

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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