

INDIGENOUS MONITOR OVERVIEW REPORT

Month: March 2022

Indigenous Monitor days on-site: 20

**Project Region: Jasper to Mount
Robson Reactivation**

**Kilometre Posts (KPs) monitored:
KP 322–461**

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 mitigation measures to minimize impacts to traditional resource use and cultural/heritage sites 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 include 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 mitigation measures observed by the Monitors related to construction in the Jasper to Mount Robson Reactivation 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 Jasper to Mount Robson Reactivation Region involving Indigenous Monitors took place from KP 322–461 and included construction site housekeeping, watercourse/wetland crossing and danger tree assessment inspections. The Project Construction Progress Report (Condition 106) for March 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.

Site Housekeeping

Indigenous Monitors regularly conduct inspections of the various construction areas for general housekeeping measures. This includes observing and documenting waste storage management, fuel storage containment and proper use of vehicle and equipment spill kits.

Waste or construction materials not properly disposed of or secured are reported to the Environmental Inspectors and respective site services crew for cleanup. The recycling bins are also inspected to make sure waste is properly segregated into appropriate categories.

In March, Indigenous Monitors inspected waste segregation, hazardous materials containment, spill response material and tripping hazards in the Jasper laydown yard at dig and sleeve sites and in water crossing construction areas. No deficiencies were identified at the time of inspection.



Drip tray in use during equipment maintenance at Dig 45 KP 430.



Secondary containment built into trailers, spill response material in place at Miette 5 KP 403.

Danger Tree Assessments

Trees that create a hazard to the public, workers or the safe operation of facilities due to their proximity to the construction site, roads, trails or structures are deemed danger trees. Danger trees on the edge of the Project footprint are assessed by a Danger Tree Assessor so every reasonable effort can be made to retain (and if necessary, modify to remove dangerous portions) suitable nest trees as an alternative to complete removal.

Danger trees are not removed from locations greater than one tree length from the construction site (Project footprint), trails, electrical conductors or structures. In March, when danger tree assessments were conducted at locations including but not limited to the Miette River Bridge crossing KP 403 and Minaga River KP 389, the Indigenous Monitors participated to ensure no CMTs or TLUs were present. Indigenous Monitors are asked to inspect all danger trees before removal. No potential CMT or TLU chance finds were identified by the Indigenous Monitors and the trees were cleared for removal.



Danger Tree at Miette bridge crossing flagged for removal KP 403.



Danger tree at Minaga River to be removed KP 389.

Watercourse Crossings

Environmental mitigation measures for in-stream construction of watercourses are prescribed in the provincial permit and the watercourse crossing plan, and in some cases, a DFO authorization. Mitigation measures required for in-stream construction include but are not limited to biosecurity cleaning of equipment, biodegradable hydraulic fluid in equipment, secondary containment of hydrocarbons, stream bed material, fish salvage, water quality monitoring and sediment/erosion control.

Indigenous Monitors inspect to ensure the upstream isolation is installed first, followed by the downstream isolation. Isolations are within the limits of the footprint. A shallow sump or depression has been excavated/formed in the streambed to effectively submerge the intakes into the water. New or clean bypass hoses are used. Bypass pumping rate matches streamflow rate. Scour protection (e.g., diffuser in picture) properly sized on the downstream discharge with no impacts to bed/bank of watercourse. Procedures for refueling equipment within the riparian buffer zone (RBZ) are adhered to. Indigenous Monitors communicated regularly with the on-site resource specialists, with a focus on turbidity monitoring and fish salvage. The watercourse crossing plans were executed as intended and no unplanned events took place during construction in March.



Aqua dam placed for upstream isolation at Miette 5 KP 403.



Miette 5 downstream isolation KP 403.

Wetland Crossings

Wetland crossing requirements are outlined in the Environmental Protection Plan, Site-Specific Wetland Crossing Execution Plan and applicable provincial permits. An Indigenous Monitor reviewed the requirements outlined in the above documents before and during their inspections.

At Fraser 2 East, an Indigenous Monitor reviewed the Site-Specific Wetland Crossing Execution Plan. The crossing plan requires wetland topsoil to be stored separately from upland soils. Refueling is to take place outside of the 50-metre RBZ. Spill prevention and cleanup materials are to be present where work is being performed. Proper signage and flagging at



Wetland topsoil stored separately from upland soils at Fraser 2 East KP 423.

adjacent TLU areas. When Indigenous Monitors inspected this site these mitigation measures were all in place and no deficiencies were found.

In saturated soil, pump-off is a regular requirement to keep excavations dewatered and stable. The pump-off release location was inspected during active dewatering. The Indigenous Monitor inspected to ensure there was no sediment loading at the discharge point, replacement materials were available and the pump-off location was at least 50 metres from the nearest water body. The Indigenous Monitor will continue to inspect the site and monitor dewatering activities throughout the duration of the crossing. No environmental concerns were identified.



Subsoil stored separately on ROW at Fraser 2 East KP 423.



Miette 5 approved pump-off release location KP 396.

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 requests 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	1	-	-	-	1
Fulfilled	1	-	-	-	1
Outstanding	-	-	-	-	-

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

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