

INDIGENOUS MONITOR OVERVIEW REPORT

Month: July 2021

Indigenous Monitor days on-site: 25

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

Kilometre Posts (KPs) monitored:
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 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 and Mount Robson Provincial 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 historical resources site chance find contingency planning, environmental features, watercourse crossings and danger tree assessments. The Project Construction Progress Report (Condition 106) for July 2021, 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

Heritage Resource Site Chance Find

Resource-Specific Mitigation Tables and spatially referenced photo mosaics developed for each site are used to identify locations of features and summarize specified mitigation for previously identified historical resources and TLU areas. Such locations have been identified via TLU studies conducted by Indigenous groups and archaeology baseline assessments conducted in relation to the Project during Project planning.

At the Devona Creek Natural Hazard Remediation site at KP 341.660 in Jasper National Park, a bone was found in the stream bed material that was being replaced, and the Heritage Resources Site Discovery Contingency Plan was implemented. The Indigenous Monitors and the Environmental Inspector inspected the site and observed that the appropriate mitigations measures had occurred including immediate suspension of construction work in the area and a 30-metre buffer installed. The Trans Mountain Archaeological Resource Specialist was consulted and determined that the bone was not archaeological.

[Click here](#) to read more about Trans Mountain Heritage Resources Site Discovery Contingency Plan.



Protective wood matting placed on the access route to Devona Creek.

Environmental Features

Environmental features such as rare plants and rare ecological communities, water features, wildlife species of concern, archaeological features, TLU sites and any other sensitive environmental or cultural features that occur on or adjacent to the construction footprint are staked, flagged and sometimes fenced prior to commencing construction. The features are clearly marked so they can be protected during construction.

Near the access route to Dig 17 KP 370.879, a 10-metre steel fence buffer was installed around two previously identified historical features. The Indigenous Monitors, alongside the Environmental Inspector, inspected the buffer prior to the commencement of construction activity. During construction the Indigenous Monitors monitored the area daily to ensure the buffer was maintained and that vehicles, equipment or personnel did not enter the exclusion zone and that the features were not disturbed.



Construction at Dig 17 KP 370.879.

Watercourse Crossings

In Jasper National Park and Mount Robson Provincial Park, various sections of pipeline run underneath watercourses and wetlands and require replacement. This is due to the potential exposure of the pipe over time as a result of decreased depth of cover from scouring. The construction activities for the required in-stream works use an isolation crossing methodology consisting of installation of upstream and downstream dams and pumps with hoses to divert the water around the worksite

The Indigenous Monitors inspected environmental mitigation measures for in-stream construction of the watercourses Unnamed Creek Natural Hazard Remediation 348. (KP 348.010 and Devona Creek (KP 341.66) as prescribed in the TMEP restricted activity permit issued by Jasper National Park. Mitigation measures required for in-stream construction include but are not limited to biosecurity cleaning of equipment, secondary containment of hydrocarbons, fish salvage water quality monitoring and sediment/erosion control.

The Indigenous Monitors observed the contractor install diversion pumps and hoses used to divert the water for in-stream work to occur at watercourse Unnamed Creek 348 and Devona Creek. The upstream water is being diverted downstream of the crossing area to maintain natural flow conditions and water quality. Hoses were placed on plywood to reduce the potential impacts of topsoil scouring, soil erosion, and water quality turbidity increases. The Indigenous Monitors observed that the hoses were working as intended and water was flowing onto the plywood; no adverse environmental impacts were identified during the time of inspection. The Indigenous Monitors also observed the fish salvage at Devona Creek; 18 Brook Trout were salvaged, inspected and released downstream of the crossing. This observation was in compliance with TMEP's restricted access permit issued by Jasper National Park.



Dewatering equipment at Devona Creek.

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 that every reasonable effort can be made to retain (and if necessary, modify to remove dangerous portions) suitable nest trees as an alternate 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 July, when danger tree assessments were conducted at Ghita Creek Access (KP 420.300) and Dig 36 (KP 410.107), the Indigenous Monitors participated and elected to return to the site once again for a more in-depth inspection of the tree to ensure no CMTs or TLUs were present. No chance finds were identified by the Indigenous Monitor.



Assessed for danger trees and any potentially associated TLU features. None found during inspection.

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	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	0	-	-	-	0

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

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