

INDIGENOUS MONITOR OVERVIEW REPORT

Month: September 2023
Project Region: North Thompson
(Spread 3/4A and Spread 4B)

Indigenous Monitor days on-site: 26
Kilometre Posts (KPs) monitored:
Spread 3/4A: KP 470–696
Spread 4B: KP 697–764

Indigenous Monitors on the Trans Mountain Expansion Project – Overview

The Trans Mountain Expansion Project (the Project or TMEP) has retained 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 construction. Indigenous Monitors have a strategic role in providing traditional knowledge directly and pragmatically to construction oversight practices and bring an Indigenous lens to daily environmental inspection activities.

This Overview Report provides highlights of the Indigenous Monitors' day-to-day work and key mitigation measures observed by the Monitors related to Project construction in the North Thompson Region. The purpose of this report is to provide an update on Indigenous Monitor activity to Indigenous groups.

Pipeline construction on both Spread 3/4A and Spread 4B is mechanically complete. During this reporting period, key activities in the North Thompson Region involving Indigenous Monitors took place from KP 470–KP 696 in Spread 3/4A and included surface water pump-off, watercourse restoration inspections, temporary construction lands and erosion and sediment control. On Spread 4B (KP 697–KP 764) some final Project activities on the right-of-way are being completed intermittently. The Project Construction Progress Report (Condition 106) for September 2023, 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.

Pump-Off

To keep trench excavation and other construction site areas dewatered and stable during pipeline construction, water that accumulates from precipitation or groundwater seepage is pumped off to an approved location either on or off the construction footprint.

As part of reclamation, an Indigenous Monitor inspected previously used pump-off sites to confirm sediment bags have been removed and that the site has been returned to its original condition. Near KP 603, an Indigenous Monitor observed the sediment bag was removed and no sediment loading or erosion was present. No concerns were identified.



Previously approved pump-off location KP 603.

Watercourse Restoration Inspection

Environmental mitigation measures for in-stream construction of watercourse crossings are prescribed in the provincial permits and the watercourse crossing plans, and in some cases, a Fisheries and Oceans Canada (DFO) authorization. When instream work is complete, Indigenous Monitors regularly monitor watercourse crossings. Erosion and sediment control (ESC) measures are monitored; these measures mitigate erosion and sediment transport from construction sites to downstream areas and watercourses. On-site ESC mitigations may include sediment fences, swales, wattles, rock armouring, erosion control blankets and hydroseeding, as well as water drainage control measures.

Indigenous Monitors inspected the effectiveness of restorations completed at BC-22 A at KP 505, BC-26 at KP 509, BC-27 E at KP 511, BC-32 at KP 518, BC-28 E at KP 513, BC-39a/b/c at KP 533, BC-43 at KP 536 BC-182a at KP 616, BC-183a at KP 618, BC-184 at KP 618, BC-185 at KP 619, BC-185a at KP 619, BC-186 at KP 619 and BC-186a at KP 619. This included observing site transplant areas, including erosion control blanket, willow stakes in riparian zones, reseeding in previously excavated and backfilled areas, rock armouring and stream bed material replacement. No deficiencies were identified.



BC-28 E KP 153.



BC-182a at KP 616.



BC-183a at KP 618.

Temporary Construction Lands

Temporary construction lands and infrastructure are defined for the Project as preparatory work areas to support Project construction and include temporary camps, stockpile sites and equipment staging areas. Many of the sites, addressed in the Temporary Construction Lands and Infrastructure Environmental Protection Plan, are on previously developed lands.

An Indigenous Monitor inspected the Blue River camp during initial demobilization in September. The inspection focused on housekeeping during the ongoing work. No issues were identified. The Blue River camp closed at the end of August 2023 due to the decline in workforce. The Indigenous Monitor is expected to re-inspect the site when demobilization is complete.



Blue River camp demobilization inspection near KP 610.



Good housekeeping during camp demobilization near KP 610.

Erosion and Sediment Control

Site-specific erosion and sediment control (ESC) measures are implemented to prevent sediment-laden runoff from leaving the right-of-way or from entering watercourses and wetlands. Key areas where ESC measures are required can include soil excavations, exposed slopes, soil stockpiles and locations near watercourses.

On-site ESC mitigations may include sediment fences, swales, wattles, rock armouring, erosion control blankets and hydroseeding, coarse woody debris (CWD), as well as water drainage control measures.

ESC measures continue to be a major focus. Indigenous Monitors inspected ESC mitigations, including erosion control blankets secured with willow stakes, rock armouring, swales and placement of CWD. No environmental issues were identified.



ESC installed on steep slope at KP 590.



ESC installed on steep slope at KP 630.

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 | 0 | 0 | 2 | 0 | 2 |
| Fulfilled | 0 | - | 2 | - | 2 |
| Outstanding | - | - | - | - | - |

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

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