

INDIGENOUS MONITOR OVERVIEW REPORT

Month: January 2022

Project Region: Lower Mainland

Indigenous Monitor days on-site: 25

Kilometre Posts (KPs) monitored:

Spread 7 KP 1144–1176

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 impacts 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 Lower Mainland. The purpose of this report is to provide an update on Indigenous Monitor activity to Indigenous groups.

During this reporting period, key Project activities in the Lower Mainland region involving Indigenous Monitors included construction at Westridge Marine Terminal (WMT), Burnaby Terminal and on Spread 7B. Activities included monitoring Traditional Land Use (TLU) features, topsoil stripping and storage, construction site housekeeping and waste segregation, erosion and sediment control measures, and vegetation management.

The Project Construction Progress Report (Condition 106) for January 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 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

Resource-Specific Mitigation Tables and Environmental Alignment Sheets are used to identify locations of 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 over many years of Project planning.

In January, the Indigenous Monitors in the Lower Mainland confirmed that the appropriate signage, staking and buffer zones were maintained around TLU and heritage resource sites along the ROW. If deficiencies were identified, they would be reported to an Environmental Inspector and added to the corrective action log. No deficiencies were identified.

In the event that an archaeological site is found, Trans Mountain completes the applicable reporting and applies for the required permits in alignment with the Heritage Conservation Act. Ongoing AIA activities continue in the Lower Mainland.



Archaeology staking and flagging with adequate signage along the ROW.



Same location as above.

Topsoil Stripping and Storage

Indigenous Monitors observed topsoil stripping and grading activities at KP 1173.2 and. Indigenous Monitors inspect to ensure environmental mitigation measures are in place. Equipment is to arrive on-site clean, soil piles are separated and within the limits of the right-of-way, soil piles are properly labelled and transition piles have adequate buffers.

Stripped areas were monitored for potential chance finds that could be unearthed. If a deficiency was found, the Indigenous Monitor would report it to an Environmental Inspector for corrective action, discuss with the contractor on-site or, in some cases, perform the corrective action upon identifying the deficiency. No environmental concerns or potential chance finds were identified during the inspection.



CWP 87 — Stockpile soils secured with poly. (KP 1173.2)



CWP 104 Soils secured with poly and adequate label.

Construction Site Housekeeping and Waste Segregation

The Indigenous Monitors at all sites in the Lower Mainland regularly conduct inspections of the various construction areas for general housekeeping measures. This includes observing and documenting garbage and recycling disposal, scrap metal management, waste storage, recycling disposal, labelling, fuel storage, secondary containment of equipment and hydrocarbons, and proper storage and use of vehicle and equipment spill kits.

At WMT, the Indigenous Monitor regularly inspects the portal, manifold, east and west foreshore and tank 93 areas, as well as barges offshore, for housekeeping and waste segregation measures. If a deficiency is observed, the contractor is notified. For example, In January, some minor waste segregation deficiencies were observed in the manifold area. The Environmental Inspector was notified and the contractor took corrective actions immediately.

On Spread 7B, the Indigenous Monitors also regularly inspect construction site housekeeping measures on active and inactive Construction Work Packages (CWPs). In January, these inspections occurred at CWP 61 (KP1165.1) CWP 67 (KP 1168.2), CWP 75 (KP 1169.2), CWP 85 (KP1172.2), CWP 88 (KP 1173.3), CWP 89 (KP 1173.5) and CWP 98 (KP 1174). No concerns are outstanding at these locations.

Erosion and Sediment Control

Erosion and sediment control (ESC) mitigation measures are used to reduce erosion and limit sediment transport across construction sites to downstream areas, including watercourses or the marine environment.

The Lower Mainland has experienced above average precipitation in recent months, making erosion and sediment control a high priority. Indigenous Monitors, alongside Environmental Inspectors, observed and inspected numerous ESC measures throughout the terminals and CWPs on Spread 7B. Inspections were completed areas including but not limited to CWP 61 (KP 1165.1), CWP 62 (Fraser River Horizontal Directional Drill KP 1166.3), CWP 87 (KP 1173.2), CWP 89 (KP 1173.5) and CWP 98 (KP 1174). ESC



CWP 72 Housekeeping well maintained. (KP 1168)



CWP 61 Generator placed with secondary containment. (KP 1165.1)



KP 1163 – 1165 7A – Secondary containment placed under Equipment with hydrocarbons.



CWP 98 – S6 and NCD water courses join at culvert outlet to Burnette River (KP 1174)

mitigations inspected included sediment fences, swales, wattles, straw bales, check-dams, polyethylene sheeting on slopes and stockpiled soil, as well as water management measures.

For example, on CWP 98 (KP 1174) multiple erosion and sediment control measures were observed to be in place and working as intended to ensure sediment does not migrate into this fish-bearing watercourse.

At CWP 87 (KP 1173.2), the Indigenous Monitor inspected ESC measures such as exposed slopes where vegetation was not established, poly tarp is used to protect the soil from erosion. It remained in place and was observed to be working as intended.



CWP 98 — Water management, sump and pump redirect water to filter sock before discharge; Culvert outlet to S6 watercourse (KP 1174).



CWP 87 — Exposed slopes with poly installed where vegetation is not yet established. (KP 1173.2).




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. 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	2	0	0	0	2
Fulfilled	2	-	-	-	2
Outstanding	-	-	-	-	-

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


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