

INDIGENOUS MONITOR OVERVIEW REPORT

Month: July 2022

Project Region: Lower Mainland

Indigenous Monitor days on-site: 20

**Kilometre Posts (KPs) monitored:
Spread 7 KP 1165–1176**

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 include construction at Westridge Marine Terminal (WMT), Burnaby Terminal and on Spread 7B. Activities included Archaeological Impact Assessments, erosion and sediment control measures, construction housekeeping, barge inspections at WMT and monitoring at the Colony Farm Regional Park Temporary Workspace.

The Project Construction Progress Report (Condition 106) for July 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. [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.

Archaeological Impact Assessments

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 by way of TLU studies conducted by Indigenous groups and archaeology baseline assessments conducted over many years of Project planning.

Indigenous Monitors observed Archaeological Impact Assessments (AIAs) conducted along the right-of-way near KP 1174. The assessments were completed by a qualified archaeologist and Indigenous participants and included visual inspections to identify features with archaeological potential, surface inspection of areas with exposed sediments for cultural or terrain features exhibiting archaeological potential and subsurface testing (shovel testing) of terrain features exhibiting archaeological potential.

In July near KP 1174, Indigenous Monitors observed the Archaeological Resource Specialist screen and remove soil from the pre-identified archaeological-sensitive area prior to the commencement of construction activities. The soil was transported to an approved off-site location where it will be further examined by a qualified archaeologist and Indigenous participants.



Soil piles at KP 1174 were marked for location and identification by the Archaeological Resource Specialist.

Erosion and Sediment Control

Erosion and sediment control (ESC) measures are used to reduce erosion and limit sediment transport across construction sites to sensitive environmental features.

Indigenous Monitors alongside Environmental Inspectors inspected ESC measures throughout Burnaby Terminal, WMT and on Spread 7B. On Spread 7B, inspections were completed in areas including but not limited to KP 1167 and KP 1174. ESC mitigations inspected included sediment fences, swales, wattles, straw bales, check-dams, polyethylene sheeting on slopes and stockpiled soil, rock armouring, as well as hydroseeding. No issues were observed during these inspections.

At Burnaby Terminal and WMT, the Indigenous Monitor conducted daily inspections to verify ESC measures throughout the terminals were installed effectively as



Polyethylene sheeting and straw wattles used as erosion and sediment control mitigation measures near KP 1174.

prescribed in the Environmental Protection Plan. This included inspecting berms and exposed slopes were securely covered with polyethene sheeting and hydroseed was correctly applied. Ditches and other water conveyance measures throughout the terminal and along the perimeter of the Project footprint were also inspected to ensure they were free of construction materials and debris.

During routine inspections of the foreshore at WMT, the Indigenous Monitor observed the effectiveness of turbidity curtains installed in the surrounding marine areas. Turbidity curtains are installed in various areas at the WMT shoreline. An important year-round environmental protection mitigation, they are monitored and inspected regularly for integrity and effectiveness.

During an inspection, the Indigenous Monitor observed the turbidity curtain to be sitting below the water in one area due to marine growth on the curtain. The Environmental Inspector notified the contractor and the turbidity curtain was cleaned. A following inspection deemed the turbidity curtain to be working effectively and in good standing order.



Water truck at Burnaby Terminal spraying down dust on site road.



Perimeter ditching flowing into the retention pond at Burnaby Terminal. No concerns during time of inspection.



Turbidity curtain functioning as intended along the foreshore at WMT.

Site Housekeeping

The Indigenous Monitors in the Lower Mainland regularly conduct inspections of the various construction areas for general housekeeping measures. This includes observing and documenting waste management practices and hazardous materials containment, as well as inspecting that spill kits are effectively placed and stocked with absorbent materials.

The Indigenous Monitor conducted housekeeping inspections at Burnaby Terminal and WMT. If a deficiency is observed, the contractor is notified by the Environmental Inspector and corrective actions are taken. During inspections, the Indigenous Monitors also inspect that secondary containment is placed underneath machinery.



Secondary containment at Burnaby Terminal. No concerns during time of inspection.

Barge Inspections

Marine barges at WMT are inspected regularly to verify that all environmental requirements are being met. These requirements ensure decks are organized and generally free of construction debris; waste is properly segregated and stored in labelled containers; secondary containments (e.g., spill trays) are in place beneath deck equipment containing fuel or oil; and spill kits are accessible and stocked with spill containment and cleanup supplies.



Contractor pressure washing the deck of the Columbia Barge at WMT.

Colony Farm Regional Park Temporary Workspace

Construction activity is underway at the Colony Farm Regional Park Temporary Workspace near KP 1167. This work area is being used as a laydown yard and pullback area for the Fraser River horizontal directional drill (HDD).

To execute the Fraser River HDD, Trans Mountain's contractor requires a temporary workspace for staging pipe, to weld and to coat the drag section for the new pipe that will be pulled under the Fraser River.

The Indigenous Monitor observed and inspected various environmental mitigations at the Temporary Workspace, including site housekeeping, secondary containment for equipment and machinery, wildlife monitoring, and environmental feature signage, staking and flagging.



Environmental feature signage inspected by the Indigenous Monitor near KP 1167.

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, 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	2	0	0	0	2
Fulfilled	2	-	-	-	2
Outstanding	-	-	-	-	-

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

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