

INDIGENOUS MONITOR OVERVIEW REPORT

Month: March 2023

Project Region: Lower Mainland

Indigenous Monitor days on-site: 19

**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 wildlife management, erosion and sediment control measures, WMT rock reef complex offsetting, underwater noise monitoring and fish deterrents, and monitoring at the Colony Farm Regional Park temporary workspace.

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

Wildlife Management

While conducting site monitoring, the Indigenous Monitors record and report wildlife sightings to the Environmental Inspector. They also inspect signage and wildlife buffers to ensure they're effectively in place to prevent incidental contact. Indigenous Monitors also routinely observe and participate in wildlife sweeps and salvages for various species of wildlife.

At Burnaby Terminal, the Indigenous Monitor participated in discussions with the Environmental Inspector and construction contractor regarding the nesting bird season and mitigation measures such as bird deterrents like hawk kites, mesh netting on areas where birds may try and nest, as well as installation of artificial bird houses. The Indigenous Monitor observed the construction contractor continue to install these wildlife mitigation measures to deter birds from nesting in construction areas at Burnaby Terminal.

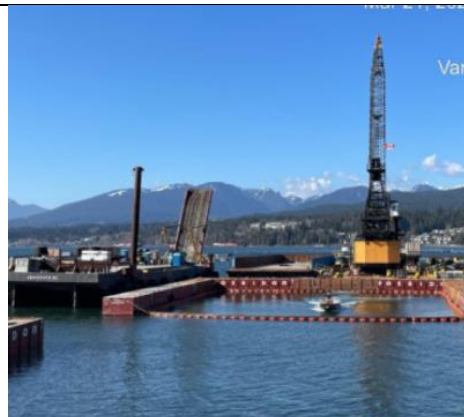


Mesh placed as a nesting bird deterrent in the manifold area at Burnaby Terminal.

WMT Rock Reef Complex

TMEP is constructing more than 10,000 m² of rock reef habitat in the form of a rock reef complex to offset the loss and alteration of approximately 6,000 m² of rocky intertidal and subtidal habitats within the expanded foreshore terminal area. The rock reef complex will be constructed within the boundary of Trans Mountain's terminal water lot. It will be composed of three different types of reef nursery, integrated and adult reefs designed to provide rocky habitat for juvenile and adult inshore rockfish. Reefs are expected to benefit a wide variety of species targeted by or that support commercial, recreational or Indigenous fisheries. The design of the rock reef complex includes channels of soft-sediment habitat expected to be used by benthic invertebrates such as Dungeness crab for foraging at the reef edge and demersal finfish to forage in soft-sediment areas and seek refuge in the reef matrix when threatened.

TMEP has conducted engagement specific to the proposed habitat offsetting with Vancouver Fraser Port Authority (VFPA), municipal governments, Indigenous groups, non-governmental organizations, members of the scientific community and the public, and has incorporated feedback into the offsetting design. At WMT, the Indigenous Monitor observed the Derek Barge Olympia placing reef mattresses.



Derek Barge Olympia placing mattresses for the adult reefs

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.

At Burnaby Terminal and WMT, the Indigenous Monitors conducted inspections to verify ESC measures throughout the terminals were installed effectively as prescribed in the Environmental Protection Plan. This included inspecting berms and exposed slopes to confirm they were securely covered with polyethylene sheets or hydroseeded. 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.

At Burnaby Terminal, the Indigenous Monitor observed and inspected road bars installed intermittently along active gravel roadways throughout the site. The road bars divert rainwater from the roads into drainage ditches flowing into the Burnaby Terminal water treatment plant. They also observed that sediment and debris was removed from check dams as required.

At Burnaby Terminal, the Indigenous Monitor observed the Eagle Creek and Silver Creek tributary realignment diversions were functioning as intended. No concerns were observed.



Hydroseed applied to a slope near Reservoir Road at Burnaby Terminal.

Site Housekeeping

The Indigenous Monitors in the Lower Mainland regularly conduct inspections of 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 Monitors conducted housekeeping inspections at Burnaby Terminal and WMT. Indigenous Monitors also check that secondary containment is placed underneath machinery and stored petrochemicals such as paint and gasoline. At WMT, the Indigenous Monitor inspected the foreshore, barges, marine loading platforms, the Kask Bros. construction yard and the Commissioner Street yard for site housekeeping measures. No environmental concerns were identified.



Good site housekeeping at Burnaby Terminal.



Secondary containment placed under a hydrovac truck at Burnaby Terminal.

Colony Farm Regional Park Temporary Workspace

The Colony Farm Regional Park Temporary Workspace near KP 1167 is being used as a staging area for drilling equipment and pullback section for the Fraser River horizontal directional drill (HDD).

The Indigenous Monitor observed and inspected various environmental mitigations at the temporary workspace, including environmental feature signage, ESC measures, site housekeeping, secondary containment for equipment and machinery, and wildlife mitigations.

The pipe has successfully been pulled from the HDD borehole at Colony Farm under the Fraser River through to the south side entry site. Trench excavation at Colony Farm is underway and pipe is being laid and welded. A wellpoint dewatering system is installed as a pre-drainage solution that features individual wellpoints closely spaced around the excavation. This technique uses a vacuum to assist in lowering groundwater levels to create a stable, dry working environment. The Indigenous Monitor observes the wellpoints and inspects the discharge point where the ground water is pumped out into the adjacent watercourse (identified as BC-780a1).

The Indigenous Monitor participated in the implementation of the Heritage Resource Site Discovery Contingency Plan. The site was buffered to allow for ongoing assessments with the Resource Specialist, Indigenous Monitor and Environmental Inspector. As part of the Chance Find Contingency Plan, Trans Mountain initiated the communication process with Indigenous groups related to notification and engagement on potential TLU and Heritage Resources chance finds. Assessment of the chance find continues.



Mesh netting used as a nesting bird deterrent placed around stationary machinery at the Colony Farm worksite.



Wellpoint dewatering system at Colony Farm worksite.

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	4	0	2	0	6
Fulfilled	4	-	2	-	6
Outstanding		-	-	-	

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

CONTACT US:

Trans Mountain

✉ info@transmountain.com

☎ 1.866.514.6700

💻 transmountain.com

🐦 @TransMtn

📺 youtube.com/transmtn

🌐 in

📍 PO Box 81018
Burnaby, BC V5H 3B0

