

## INDIGENOUS MONITOR OVERVIEW REPORT

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**Month: April 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 Spread 7B. Activities included wildlife management, WMT rock reef complex offsetting, erosion and sediment control measures, construction site housekeeping, and monitoring at the Colony Farm Regional Park temporary workspace.

The Project Construction Progress Report (Condition 106) for April 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](mailto: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.

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 to nest, as well as installation of artificial bird houses. The Indigenous Monitor observed the contractor continue to install these wildlife mitigation measures to deter birds from nesting in construction areas at Burnaby Terminal, WMT and Spread 7B.



The Indigenous Monitor participated in a bird sweep conducted around Tank 93 at WMT. No concerns were identified.

## WMT Rock Reef Complex

TMEP is constructing more than 10,000 m<sup>2</sup> of rock reef habitat in the form of a rock reef complex to offset the loss and alteration of approximately 6,000 m<sup>2</sup> 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.



Derek Barge Olympia placing mattresses for the adult reefs.

<p>At WMT, the Indigenous Monitor observed the Derek Barge Olympia placing reef mattresses. Construction of the rock reef complex has been completed.</p>	
<p><b>Erosion and Sediment Control</b></p> <p>Erosion and sediment control (ESC) measures are used to reduce erosion and limit sediment transport across construction sites to sensitive environmental features.</p> <p>At Burnaby Terminal, WMT and Spread 7B, the Indigenous Monitors conducted inspections to verify ESC measures were installed effectively as prescribed in the Environmental Protection Plan. This included inspecting berms and exposed slopes were securely covered with polyethene sheeting or hydroseed was correctly applied. Ditches and other water conveyance measures throughout the terminals and construction areas and along the perimeter of the Project footprint were also inspected to ensure they were free of construction materials and debris.</p> <p>The Indigenous Monitor observed the removal of sediment from the Burnaby Terminal Intermediate Storm Water Retention Area (ISWRA). The sediment will be collected and disposed of at the terminal's portal waste area. Compliance measures were in place and no concerns were noted during inspection of this activity.</p> <p>On Spread 7B near KP 1178, the Indigenous Monitor observed that check dams and coco matting were installed for ESC measures. No concerns were identified.</p>	 <p>Intermediate Storm Water Retention Area (ISWRA) being drained so sediment can be removed at Burnaby Terminal.</p>  <p>Check dams inspected near KP 1178.</p>
<p><b>Site Housekeeping</b></p> <p>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.</p> <p>The Indigenous Monitors conducted housekeeping inspections at Burnaby Terminal, WMT and Spread 7B. Indigenous Monitors also check that secondary containment is placed underneath machinery and stored petrochemicals such as paint and gasoline. No environmental concerns were identified.</p>	 <p>Good site housekeeping at the TMEP construction yard observed at Fraser Mills on Spread 7B.</p>



## 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 that features individual wellpoints closely spaced around the excavation. This technique uses a vacuum to assist in lowering local 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).

During trench excavation, the Indigenous Monitor observed that a resource specialist was present to monitor the excavated soil that was being placed near an archaeologically sensitive area. No concerns or chance finds were identified.



The Indigenous Monitor observed that polyethylene sheeting was replaced at the wellpoint dewatering discharge point. No concerns were identified.



Area of excavation near an archaeologically sensitive area was monitored by a resource specialist. No concerns were identified.



Water truck spraying right-of-way for dust control observed at Colony Farm.

## 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)

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