

INDIGENOUS MONITOR OVERVIEW REPORT

Month: December 2020

Indigenous Monitor days on-site: 16

Project Region: Lower Mainland

Kilometer Posts (KPs) monitored: n/a

Indigenous Monitors on the Trans Mountain Expansion Project – Overview

The Trans Mountain Expansion Project (the Project) 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 Sumas Terminal. Activities included wildlife management, erosion and sediment control and water management, construction housekeeping and waste management, and regulator meetings. The Project Construction Progress Report (Condition 106) for December 2020, which reports environmental events and deficiencies in Tables 4 and 5 respectively, is found [here](#).

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 our workforce, their families and our communities. Trans Mountain and its construction contractors are working diligently together to adhere to all advice and direction from government and health officials, while ensuring the safe uninterrupted operation of the Trans Mountain Pipeline and the continued, safe construction of the Expansion Project. Measures being undertaken at construction sites include: temperature screening; following physical distancing guidelines; staggering work shifts and breaks; eliminating or minimizing in-person meetings; enhancing cleaning and sanitizing; and ensuring workers orientation includes COVID 19 expectations, awareness and prevention.

For more information: transmountain.com/covid19

Wildlife Management

The Indigenous Monitors at WMT, Burnaby Terminal and Sumas Terminal record wildlife observations and inspect mitigation measures implemented to protect wildlife. In December, at Sumas Terminal the Indigenous Monitor inspected and monitored a wildlife salvage conducted by a Resource Specialist to ensure the construction area was clear of Pacific Water Shrews. During the month of December, the Indigenous Monitor at Sumas Terminal also monitored the relocation of voles, Western Toads and Northern Red-Legged Frogs on an as-needed basis.



Vole at Sumas Terminal being relocated to a natural habitat outside the construction footprint.

Erosion and Sediment Control and Water Management

Erosion and sediment control (ESC) measures are monitored and inspected at WMT, Sumas Terminal and Burnaby Terminal to ensure they are functioning as intended to mitigate erosion and sediment transport from construction sites to downstream areas, including watercourses and the marine environment. On-site ESC mitigations include sediment fences, swales, wattles, straw, polyethylene sheeting, coco matting, check dams and hydroseeding, as well as water drainage control measures. Before and after heavy rainfall in December the Indigenous Monitors inspect exposed slopes and other construction areas to ensure they are covered with the appropriate ESC measures.

At the terminals, surface and underground drainages are installed across the facility site to reduce the potential for soil erosion by water during construction activities. Daily, the Indigenous Monitors observed and inspected the ESC water conveyance systems, which include drainage ditches, road diversion water bars, water treatment systems, pumps, hoses, canals, culverts, retention ponds and sumps. Additional inspections occur before and after significant rainfall like that which occurred in December.



Check dam installed at WMT to help filter water flowing into the water treatment plant.



Southwest canal water management at Burnaby Terminal.

Construction Site Housekeeping and Waste Management

The Indigenous Monitors at WMT, Burnaby Terminal and Sumas Terminal 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, fuel storage and proper use of vehicle and equipment spill kits. Indigenous Monitors also inspected that the latches on garbage can lids are functioning to restrict access from wildlife like hawks, eagles, seagulls, racoons and coyotes.

In December, the Indigenous Monitor at Burnaby Terminal, along with the Lead Environmental Inspector, continued with a site-wide inventory of garbage cans, recycling bins and construction debris material waste bins at the numerous active construction areas. The purpose of this inventory is to ensure every active construction site has the proper waste segregation receptacles. During the inventory when deficiencies like misplaced garbage or recycling were identified by the Indigenous Monitor and the Environmental Inspector, the contractor was notified, and deficiencies were resolved.



Recycling can at WMT inspected by the Indigenous Monitor.

Regulator Meetings and Inspections

Fisheries and Oceans Canada (DFO) and the Indigenous Advisory Monitoring Committee (IAMC) conduct monthly virtual site compliance verification assessments at WMT. Foreshore and marine construction progress are discussed as well as environmental mitigation measures such as ESC (e.g., turbidity curtains, shoreline slope protection), underwater noise monitoring, marine mammal monitoring and waste containment and management.

In December, the Indigenous Monitor at WMT participated in the DFO/IAMC compliance verification assessment and was an active participant in discussions about the effectiveness of ongoing environmental mitigation and monitoring measures.



Loading Platforms 1 and 2 at WMT.

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. Monthly requests and their completion status are noted below.

Status	Number and Type of Requests				
	Project Reports/ Documents	Environmental Resource Specialists	Elder/Cultural Knowledge Holder	Other	Total
Total	1	0	0	0	1
Fulfilled	1	-	-	-	1
Outstanding	0	-	-	-	0

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

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