

INDIGENOUS MONITOR OVERVIEW REPORT

Month: January 2020

Indigenous Monitor days on-site: 17

Project Region: Lower Mainland

Kilometre 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 in order 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. Inspection and monitoring activities included erosion and sediment control, marine berth piles underwater noise monitoring and Regulator inspections.

For more information: email info@transmountain.com or call 1.866.514.6700

Onshore Erosion and Sediment Control

Erosion and sediment control (ESC) measures are being monitored and inspected on a daily basis to ensure they are functioning as intended to mitigate erosion and sediment transport. Onsite ESC measures include ditches, swales, sediment fences, wattles, straw, poly sheeting, coco matting, and hydroseeding. Key areas where ESC measures are required include soil excavations, exposed slopes, soil stockpiles, and locations near watercourses and the marine shoreline.

The Indigenous Monitor participates in the daily monitoring of ESC measures throughout the site.



Coco matting and hydroseed (green) installed on steep slope for erosion and sediment control.

Underwater Noise Monitoring

In-water pile driving activities are ongoing at Westridge. The marine derrick barges continue installing steel piles using vibratory drivers and impact hammers. Standard mitigation measures during all in-water pile driving activities include monitoring underwater noise levels using hydrophones to verify noise levels are below the applicable thresholds for the protection of fish and marine mammals. This is a requirement of the Fisheries and Oceans Canada *Fisheries Act* Authorization for the Project. Additionally, during impact pile driving, Marine Mammal Observers (MMOs) monitor for the presence of marine mammals within their respective exclusion zone (which differs by species). Should a marine mammal be observed within the exclusion zone, impact pile driving is immediately stopped and does not resume until the marine mammal has left the exclusion zone or has not been re-sighted for 30 minutes.

The Indigenous Monitor performs ongoing inspection of the in-water pile driving activities to verify that all relevant environmental protection measures are being implemented and that these measures are functioning effectively.



Environmental monitors and Contractor Superintendent monitoring underwater noise levels during offshore impact pile driving.

Regulator Inspections

Fisheries and Oceans Canada and the Canadian Energy Regulator, along with the participation of the Indigenous Advisory Monitoring Committee, were at Westridge Marine Terminal performing inspections. The Regulators inspected onshore and marine construction areas, followed up on bird deterrents and the underwater bubble curtain, waste segregation, erosion and sediment control measures and the impact pile driving on the DB General.

The Indigenous Monitor was present during these inspections and responded to questions from the Regulators.



Indigenous Monitor inspecting bird deterrents on the marine construction safety boom. The Canada Energy Regulator also inspected the deterrents during a regulatory inspection and asked the Indigenous Monitor questions about the effectiveness of these deterrents.

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	0	0	0	0	0
<i>Fulfilled</i>	-	-	-	-	-
<i>Outstanding</i>	-	-	-	1	1

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
 

 PO Box 81018
Burnaby, BC V5H 3B0

