

## Geographic Response Plans: WORKING with LANDOWNERS

In 2018, Trans Mountain Emergency Management launched a set of Geographic Response Plans (GRP) to guide initial emergency response actions of responders during the first few crucial hours of a pipeline incident.

GRPs provide pre-identified response strategies for sites along the pipeline route known as Control Points. These land and water-based locations have been selected to maximize containment and recovery efforts using Trans Mountain-owned response equipment. Trans Mountain currently maintains more than 600 Control Points throughout Alberta and British Columbia. GRPs are publicly accessible via Trans Mountain's website and available for use by other organizations, including emergency services personnel, government agencies and spill response contractors.

**Landowners play a crucial role in the field verification process by providing permission to access Control Points**

Data for the GRPs was collected during a multi-year research program that included spill modelling, data analysis and field verifications. Field verification continues to this day as Control Points are revisited on a rotating basis to collect, confirm and/or update existing data. Landowners play a crucial role in the field verification process by providing permission to access Control Points that may be identified on their property. Field visits are both brief and minimally intrusive, typically taking less than 45 minutes.

Landowners are encouraged but not obligated to participate in the field verification process to provide valuable insight about their property and the local area. Trans Mountain contacts all landowners to secure permission prior to accessing property.

To learn more about Emergency Management, including Geographic Response Plans, visit [transmountain.com/emergency-response-plans](http://transmountain.com/emergency-response-plans) or email us at [landowners@transmountain.com](mailto:landowners@transmountain.com).

Engagement with landowners continues to be a priority for Trans Mountain Emergency Management (EM). Input received from landowners along the pipeline corridor is an important part of ongoing enhancements to Trans Mountain's EM Program. Please contact us if you would like to submit input for consideration or discuss the EM Program. To learn more about our EM Program, please visit [transmountain.com/emergency-management](http://transmountain.com/emergency-management).

## Construction UPDATE

Construction on the Trans Mountain Expansion has reached a major milestone with 50 per cent completion as of March 5, 2022.

The halfway mark of construction for the Expansion Project includes more than 412 kilometres of pipe in the ground, more than 574 kilometres of the pipeline right-of-way stripped and graded, more than 471 kilometres of pipe welded and the completion of 32 major trenchless crossings. For more information about construction or to sign up for our regional construction updates, please visit [transmountain.com](http://transmountain.com).



Pipe laying

## TEST YOUR KNOWLEDGE for a chance to win

Complete a short dig safe quiz to test your safe digging knowledge and be entered for a chance to win. Two winners will be selected at random and each winner will get a \$500 Visa gift card!

Participate by visiting: [transmountain.com/digsafe](http://transmountain.com/digsafe) or scan the QR code with your smart phone and complete the survey.



Winners will be selected on May 20, 2022

If you are unable to participate online, you can request a hard copy survey package by calling 1.866.514.6700



If you suspect a pipeline leak call 911 or Trans Mountain's 24-hour Emergency Line at 1.888.876.6711



# Landowner Update

Spring 2022



## Dig Safe MONTH

An important industry-wide initiative in April is aimed at raising awareness about safe digging practices that can improve safety and prevent damage to underground infrastructure.

April is dedicated to promoting One Call or "Click or Call Before You Dig," a free service that connects you with member utility owners so you can get information about underground utilities buried in your backyard or job site.



Ditch digging

No matter how small the project may seem, using the One Call free service is the first step to ensuring you maintain a safe environment for your family, neighbours and community.



New fencing

BC 1 Call: 1.800.474.6886

Utility Safety Partners\*: 1.800.242.3447

\* The former Alberta One-Call, Alberta Common Ground Alliance, and the Joint Utility Safety Team have united under one name: Utility Safety Partners. For more information, visit [utilitiesafety.ca](http://utilitiesafety.ca).

## FLOOD RESPONSE: What happened and how we responded

After record-breaking rains in November 2021, areas of British Columbia and Washington state experienced extreme flooding and mudslides, displacing thousands of people and causing significant damage to property and infrastructure.

As a precautionary measure, the Trans Mountain Pipeline shut down on November 14, 2021, while detailed investigations of the pipe's integrity and geotechnical assessments of the surrounding landscape took place.

In Abbotsford, BC, waters from the overflowing Nooksack and Sumas Rivers flooded the Sumas Prairie and submerged homes, barns and roads, as well as segments of the Trans Mountain Pipeline right-of-way. Cleanup is underway and Trans Mountain is now sharing information about how to work safely around the pipeline during recovery efforts.



Mud slide along Hwy 1, November 2021

Meanwhile, in remote areas of the pipeline located between Hope and Merritt, BC, the water flows of the Coquihalla and Coldwater rivers had increased dramatically, causing river course changes, debris pileups, potentially unstable riverbanks and restricted access to the pipeline. Trans Mountain's emergency response efforts focused on managing watercourses, stabilizing banks and re-instating access where roads and bridges had been washed out or damaged.

Helicopter operations were used to inspect the pipeline, remove fallen trees and debris and to airlift teams in and out of isolated areas. At peak times, up to seven helicopters

**Hundreds of Trans Mountain employees and contractors contributed to the emergency response efforts and worked together with authorities**

and some 100 pieces of heavy equipment supported the effort.

Being an area of mostly provincial Crown land, few private properties in the Coquihalla and Coldwater regions were directly impacted by Trans Mountain's emergency response work. Where private lands were affected, Trans Mountain's Land Department and Flood

Claims Unit worked in consultation with landowners and occupants.

Hundreds of Trans Mountain employees and contractors contributed to the emergency response efforts and worked together with authorities to return the pipeline safely to operation and to assist affected communities.

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Coldwater Road is connected to Coquihalla Highway (Hwy 5)



IN CASE OF A PIPELINE EMERGENCY OR TO REPORT ODOURS, CALL 24 HOURS: 1.888.876.6711

# Pipeline Abandonment Regulatory UPDATE

Trans Mountain's Reclamation Trust (the Trust) was established in 2015. The Trust sets aside funds for future abandonment of pipeline assets of the Trans Mountain Pipeline System. Trans Mountain does not plan to abandon the mainline pipeline system in the foreseeable future. Trans Mountain continues to collect funds as directed by the Canada Energy Regulator (CER).

In December 2020, a total of **\$92.7 Million** was available in the Trust.

Trans Mountain submits annual compliance filings to the CER in April of each year.

For more information please visit: [cer-rec.gc.ca/en/index.html](http://cer-rec.gc.ca/en/index.html)

Transmountain pipeline abandonment webpage: [transmountain.com/pipeline-abandonment](http://transmountain.com/pipeline-abandonment)



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The pipeline was restarted at a reduced capacity in early December and returned to normal operating pressure on January 15, 2022, following the completion of all necessary assessments, repairs and construction of protective earthworks needed. The safety shutdown lasted 21 days – the longest period the pipeline had been shut down in its nearly 70-year history.

While the pipeline has returned to full service, Trans Mountain's efforts are ongoing. Numerous sites, mainly in the Coldwater and Coquihalla areas, require further mitigation of natural hazards created around the Trans Mountain pipeline by the floodwaters. These activities include removal of log piles from the river channels and stabilizing the river banks at the pipeline crossing locations, restoration of access roads and pipeline right-of-way, and the reclamation of the disturbed sites used for Trans Mountain's activities.

Trans Mountain continues to work with the flood-affected landowners on the removal of any flood created hazards from the pipeline right-of-way. Trans Mountain is committed to a quick and efficient response to your local One Call and will assist with any pipeline safety-related requests.

## Flood Response Environmental Protection



Electrofishing, a common surveying technique is being used to determine fish abundance, density and species composition.

Trans Mountain's flood response includes oversight from an environmental team of approximately 20 environmental specialists and biologists who ensure environmental protection measures are implemented wherever possible.

An environmental protection plan has been developed for the flood response activities outlining mitigation measures that need to be implemented during work. Environmental inspectors and monitors are deployed to all

restoration sites to work with the crews to ensure environmental protection measures are implemented as outlined within the environmental protection plan.

Due to the proximity of the restoration work to the Coldwater and Coquihalla Rivers and their tributaries, environmental protection measures often include fish salvage prior to working in stream. Fish salvage crews are deployed to sites ahead of equipment to ensure fish are captured and relocated to safe areas downstream of Trans Mountain's activities. Trans Mountain has obtained required permits and approvals and provides regular updates to regulatory agencies and Indigenous communities. Trans Mountain also works closely with the Canada Energy Regulator to review the potential impacts to fish and fish habitat that may result from the restoration work.

## TYPES of One Call Tickets

In Canada, placing a One Call locate request prior to performing a ground disturbance near a federally regulated pipeline is required by law.

Ground disturbance may include activities such as digging post holes, excavating for a building foundation or driving vehicles or equipment outside of a roadway. Locate requests are free and are made by contacting the provincial one call centres:

**British Columbia: BC 1 Call**

**Alberta: Utility Safety Partners**

When you place a One Call, you have three main ticket options to choose from, based on the nature and timeline of your project:

1. Planning and Design
2. Regular/Routine
3. Emergency locate

For any type of One Call ticket, if Trans Mountain confirms that your proposed work is on or near the pipeline, our Pipeline Protection inspector will arrange to meet with you to advise of any permits and requirements necessary to ensure your safety and the protection of the pipeline.

The inspector will verify Trans Mountain's ownership of the pipeline, locate and mark the pipeline, and explain the markings. A Trans Mountain inspector is required to remain on-site for all work within 7.5 metres from the pipeline.

WHEN TO USE

SOME EXAMPLES

TURNAROUND TIME

	Planning and Design	Regular/Routine	Emergency Locate
<b>WHEN TO USE</b>	Early planning stages of a project to know in advance what buried utilities may be impacted.	Work that is pre-planned, non-urgent, and involves a ground disturbance or off-road vehicle access.	In situations requiring immediate trenching, excavation or off-road vehicle and equipment access.
<b>SOME EXAMPLES</b>	<ul style="list-style-type: none"> <li>• Projects with longer lead times, e.g., large-scale landscaping job</li> <li>• Installation of underground utilities, roads, trails and driveways</li> <li>• Urban development projects</li> <li>• Changes in land use</li> </ul>	<ul style="list-style-type: none"> <li>• Landscaping and tree planting</li> <li>• Debris removal</li> <li>• Fence post installation and replacement</li> <li>• Off-road vehicle access</li> <li>• Trenching, ditch installation or ditch clearing</li> </ul>	<ul style="list-style-type: none"> <li>• Disruption of an essential service that requires immediate repair or replacement</li> <li>• Environmental contamination requiring cleanup</li> <li>• Cleanup of oil or hazardous material spills</li> </ul>
<b>TURNAROUND TIME</b>	Trans Mountain will respond within three working days. If Trans Mountain's pipeline is in proximity to your work area, we will meet with you to discuss your plans.	This ticket type requires a minimum of a three working days' notice, excluding weekends and statutory holidays.	Available 24/7/365 Trans Mountain will respond within one hour when an emergency One Call ticket is received.
<b>BC 1 CALL</b>	Online anytime, or via phone 7 am – 5 pm, Monday to Friday		24 hours via phone: 1.800.474.6886
<b>UTILITY SAFETY PARTNERS (ALBERTA)</b>	Online anytime or via phone 8 am – 4 pm, Monday to Friday		24 hours via phone: 1.800.242.3447

If you suspect a pipeline leak, call 911 or 1.888.876.6711.