

Welcome

Highway 20 at Hodgson/Dog Creek Road Project Public Information Session

This Public Information Session is being held to provide you with information regarding the Highway 20 at Hodgson/Dog Creek Road Project and the opportunity to ask questions to project team members.

To provide your feedback or submit enquiries to the project team, contact Reid Drummond, Project Manager, at:



Email: HodgsonDog.Creek@gov.bc.ca



Phone: **250-299-1494**



Website: gov.bc.ca/cariboo



The area of this project includes the Hodgson Slide and Dog Creek Slide.

Welcome

We respectfully acknowledge that the Highway 20 at Hodgson/Dog Creek Road Project is taking place on the territory of the Williams Lake First Nation.

The ministry is consulting and engaging with Williams Lake First Nation on this project.

Williams Lake First Nation is part of the project's Technical Liaison Group.

We continue to work with Williams Lake First Nation to better understand the cultural, archaeological and environmental aspects related to the proposed project work.

Project Overview

Two slides are included in the Highway 20 at Hodgson/Dog Creek Road Project:

- The Hodgson Slide, an “ancient”, slow-moving slide located mostly south of Highway 20
- The smaller Dog Creek Slide, west of the Hodgson Slide

The Ministry of Transportation and Infrastructure (MOTI) is working with the City of Williams Lake and Cariboo Regional District to develop mitigation options for the Hodgson and Dog Creek slides.

The surface area of the Hodgson Slide (55 hectares) is 9 times the size of the Williams Lake Stampede Grounds.



Aerial image of the project area, looking east, with Dog Creek Road on the right and Highway 20 on the left. Most of the Hodgson Slide is located in the City of Williams Lake. The Dog Creek Slide is split between City and Cariboo Regional District jurisdiction.

Multiple Jurisdictions Involved

A multi-jurisdiction ownership approach is in place for this project. The Cariboo Regional District, City of Williams Lake and MOTI are working together to address these complex slides.

As part of the multi-jurisdictional approach, a Management Steering Committee has been established and is comprised of representatives from:

- ▶ Cariboo Regional District
- ▶ City of Williams Lake
- ▶ Ministry of Emergency Management and Climate Readiness
- ▶ Ministry of Water, Land and Resource Stewardship
- ▶ Ministry of Municipal Affairs
- ▶ MOTI

A Technical Liaison Group, which includes the groups above as well as Williams Lake First Nations and FortisBC, has also been established.

Work Done to Date

Work completed to date has included:

- Drilling 30 boreholes as deep as 74 metres to gather data to inform next steps
- Monitoring 25 pieces of instrumentation to measure movement and groundwater pressure
- Enhancing groundwater drainage through improvements to ditches and upsizing or installing new culverts
- Testing of groundwater
- Resurfacing of Highway 20
- Repaving of the Dog Creek Road intersection at Roberts Drive and Johnson Way
- Inventory of residential wells



Phase 1 ditching work was completed last fall in the Hodgson Slide area.



Geotechnical drilling was completed last fall near the Dog Creek Slide.

Project Approach

This project is taking a three-step approach:

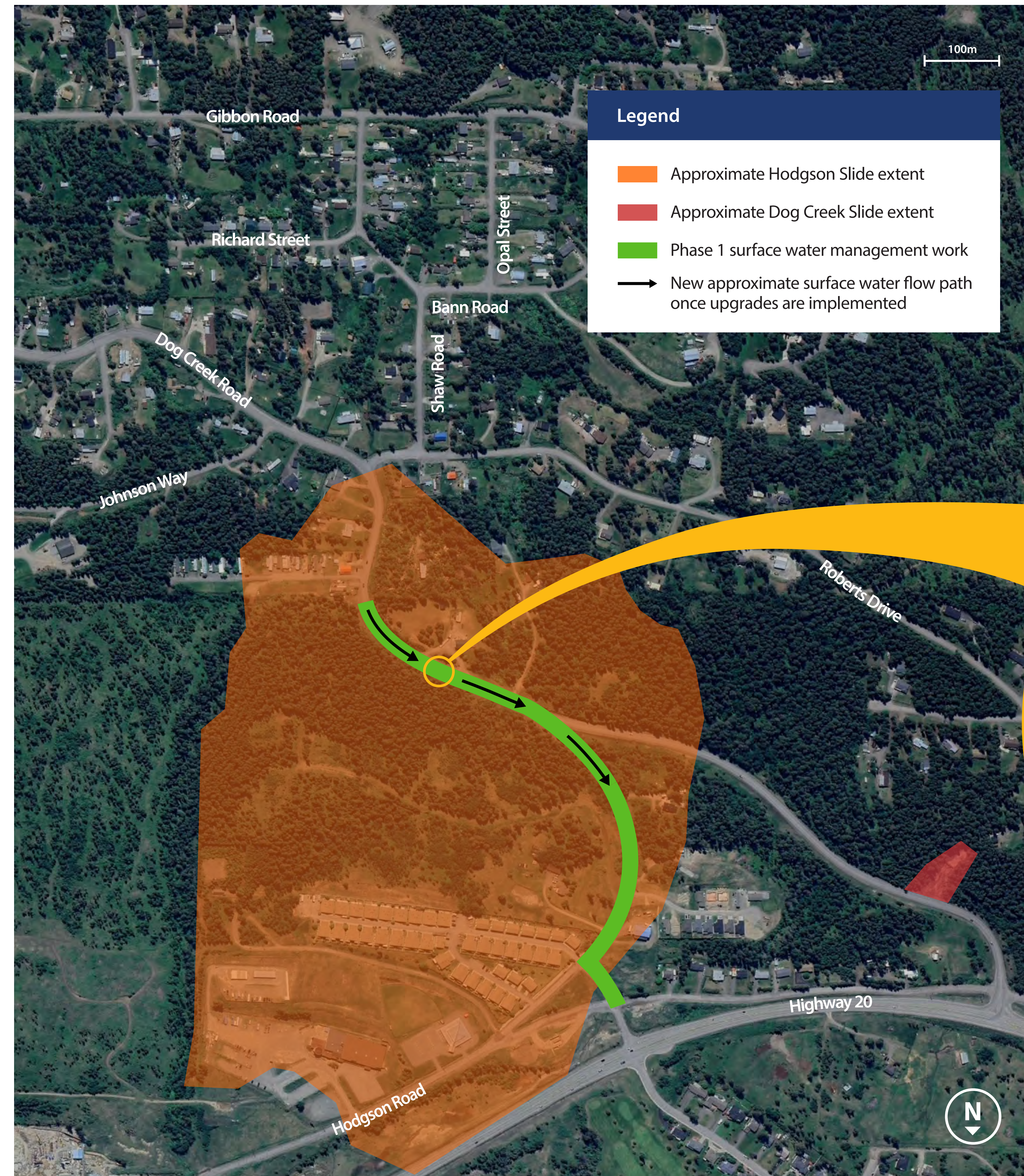
1. Surface water management
2. Dog Creek Slide mitigation
3. Hodgson Slide mitigation

Surface Water Management: Phase 1 – Completed

Phase 1 of surface water management was conducted in fall 2023. Upgrades were made to existing infrastructure to support the movement of rainwater and snow melt from the upslope area of the slides to the downslope areas.

This work included:

- Eliminating areas of standing water
- Redirecting surface flows into public rights-of-way, primarily roadside ditches (as seen in the photo to the right)
- Ensuring effective flow routes through the slide area

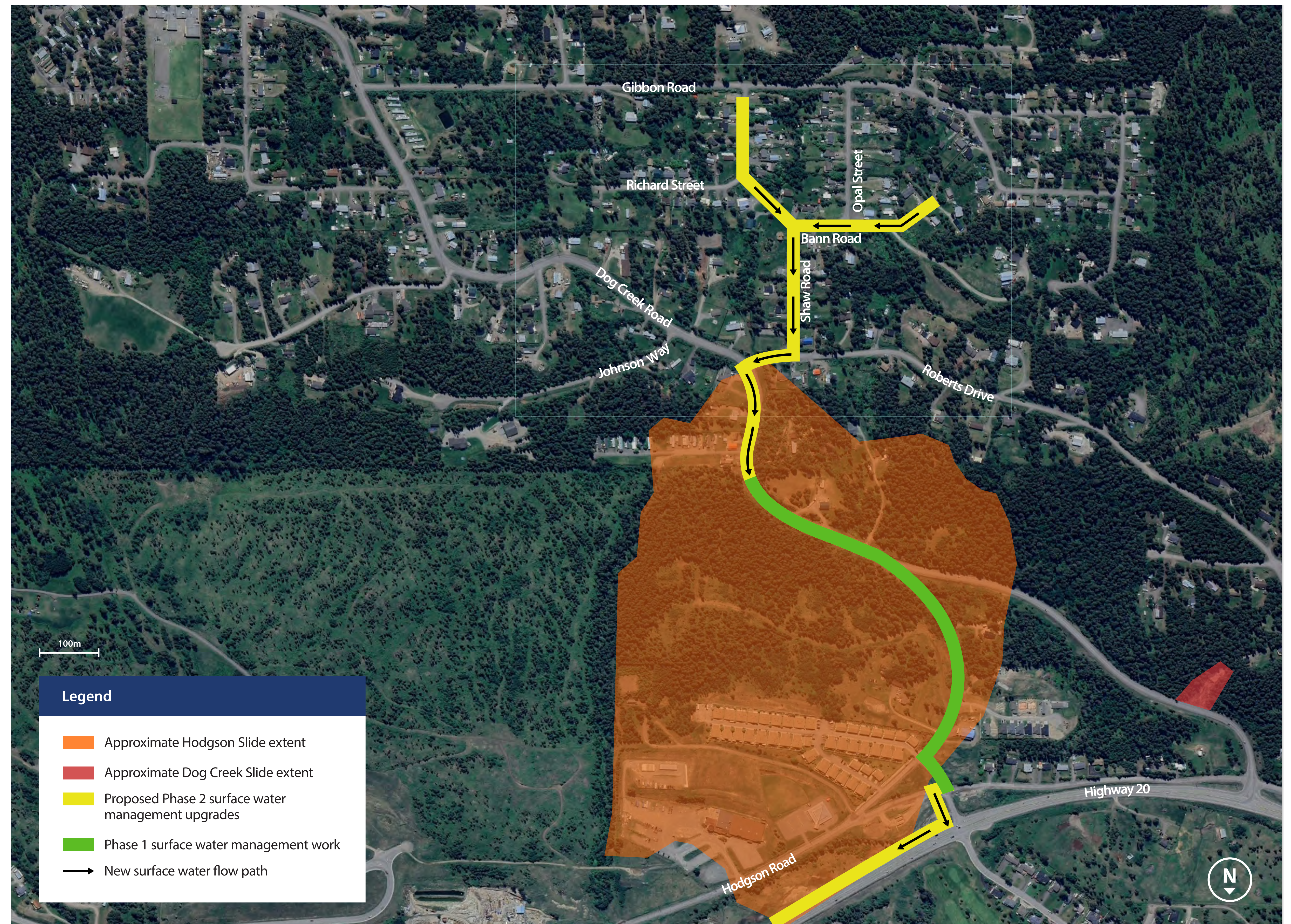


The project team collaborated with the City of Williams Lake to ensure downstream infrastructure could handle a potential change in the rate of water flows.

Surface Water Management: Phase 2

Phase 2 of the surface water strategy is scheduled to get underway this summer. This work includes:

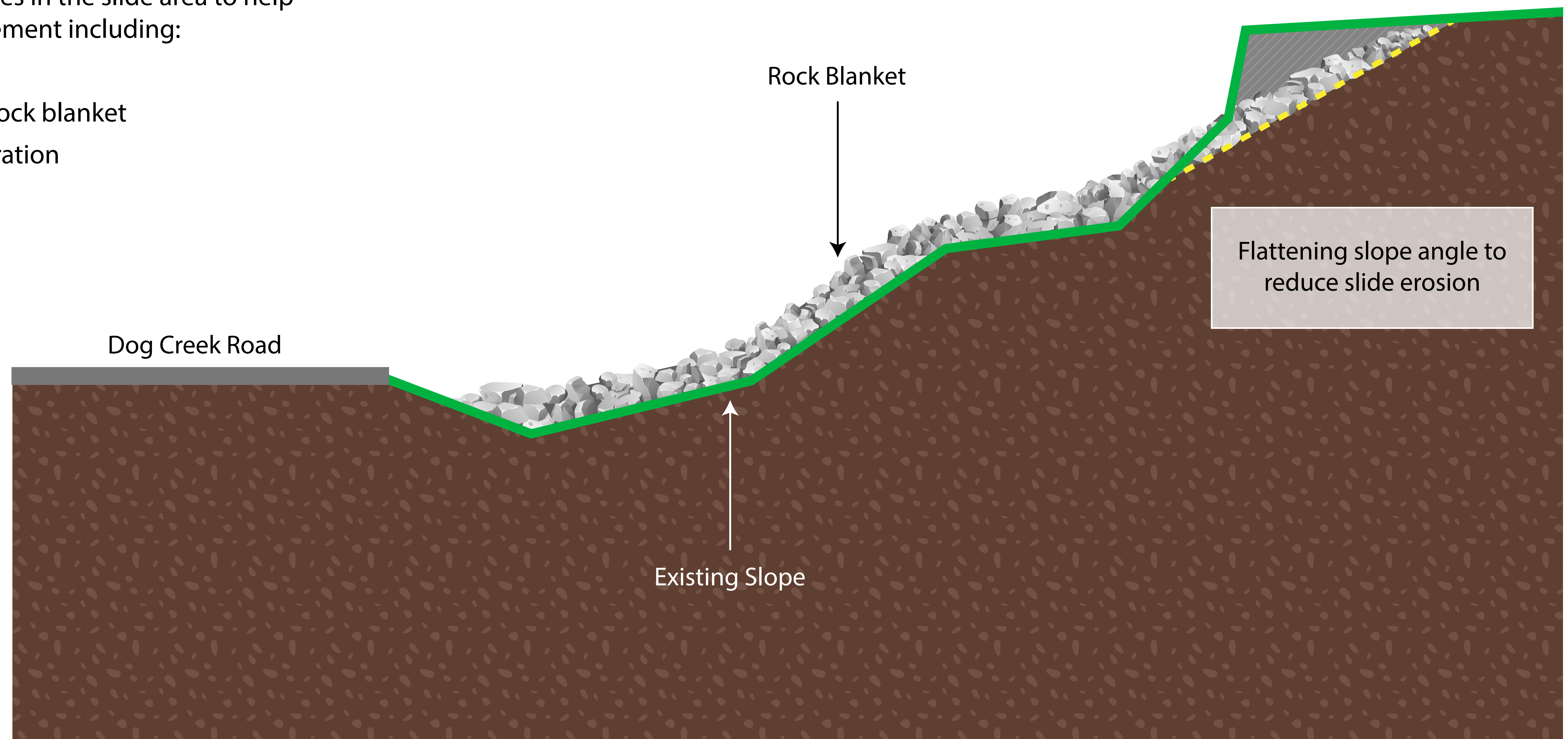
- Ditching along Dog Creek Road up to Shaw Road
- Ditching along Roberts Drive and Shaw Road
- Ditching and culverts within current ministry rights-of-way along Bann Road
- Ditching and culverts along Shaw Road near Richard Street



Dog Creek Slide

Anticipated work for the Dog Creek Slide in 2024 includes:

- Mitigation measures in the slide area to help control slide movement including:
 - Regrade slope
 - Placement of rock blanket
 - Ditching restoration

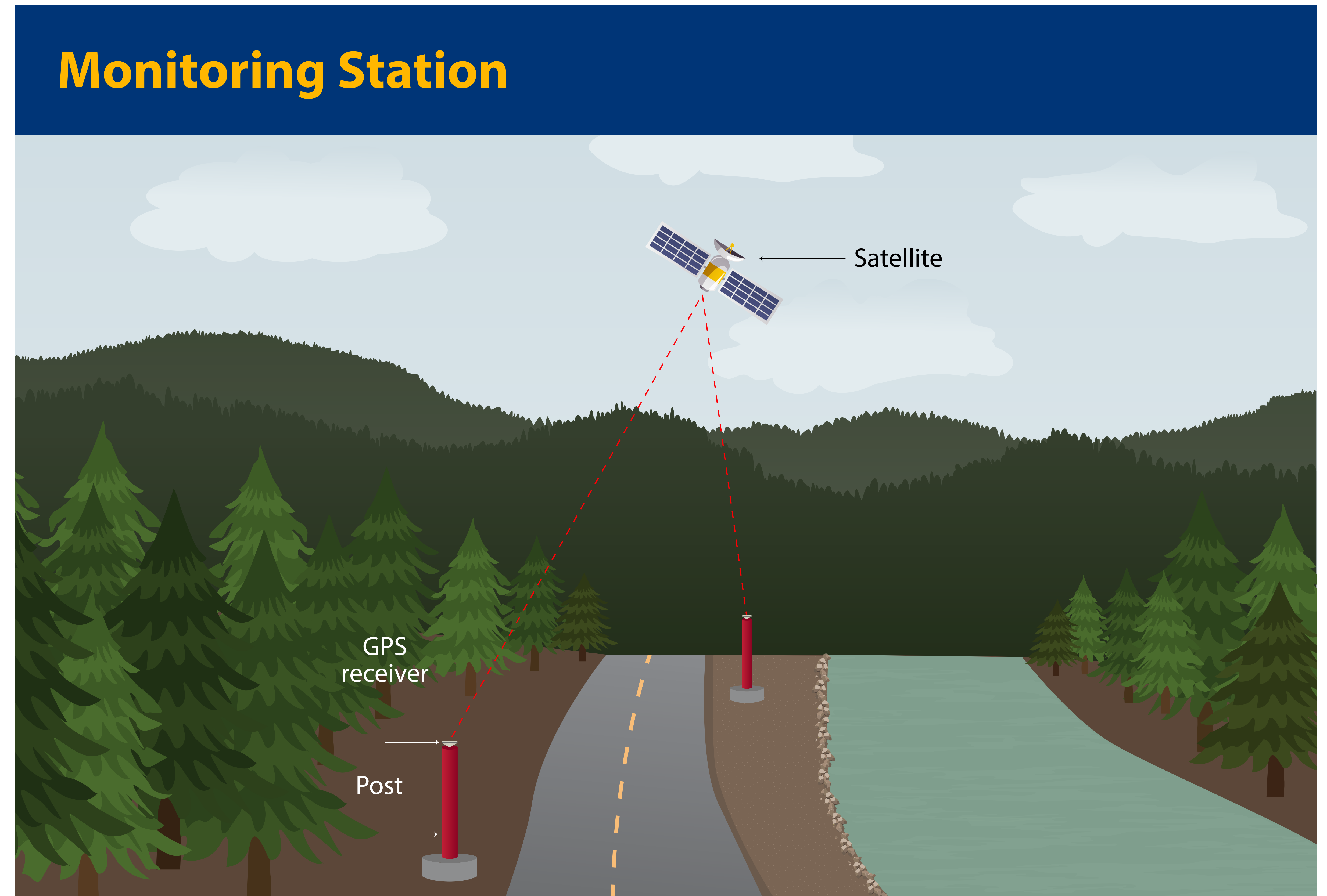


Hodgson Slide

Survey work will continue in 2024 to collect additional monitoring data for slide understanding.

Other activities will include:

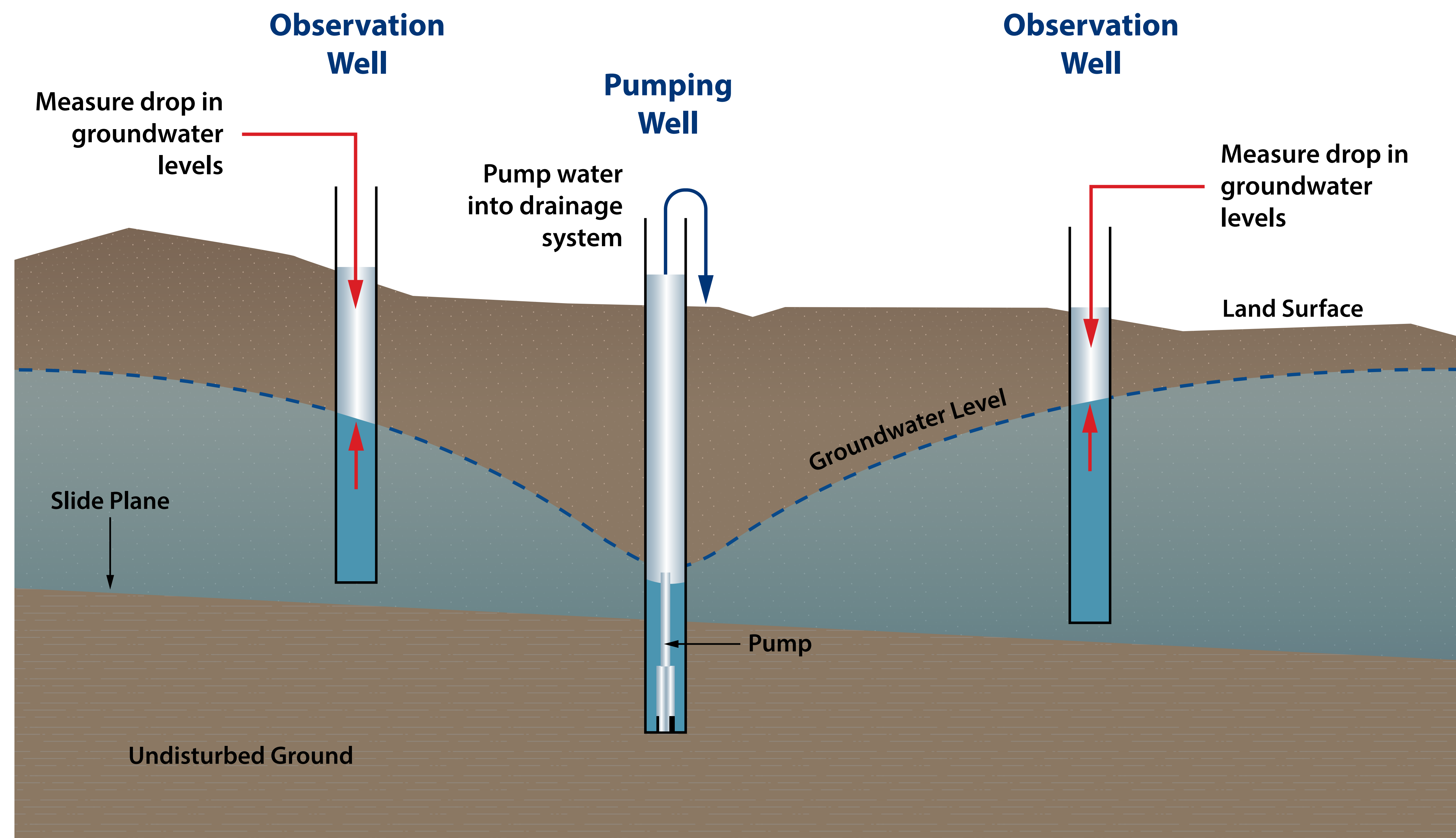
- Installation of local meteorological stations and monitoring hubs
- Drilling of approximately 30 additional boreholes to help characterize the slide and determine hydrological conditions in advance of future work



Monitoring stations are devices that use satellites to track and record the precise location and movements of the ground. Stations continuously monitor surface deformations.

Hodgson Slide

Pumping wells and corresponding observation wells are planned for 2024/2025, based on the results of additional drilling. These tests will help inform groundwater table impacts and future slide mitigation strategies.



An illustration of how a pumping well removes water from within a slide mass, lowering pressure which slows movement of the slide.

Inventory of local residential wells

In April, project team members visited approximately 50 residential properties in the Hodgson Slide area to conduct a voluntary well inventory.

This information contributes to a better understanding of groundwater's impact on the slide and wells in the area.

Thank you to the residents who provided access to their properties.

If you live in or near the project area and have a well that you would like to share information on, please let a member of the project team know.

Project Communications

As this project proceeds, a variety of tools will be used to inform residents and road users of project updates and onsite work that may impact traffic, including the following:

Project website updates/
notifications



Social media posts (TranBC)



Changeable message signs



Email notifications



Thank You for Attending

Thank you for attending this Public Information Session. If you have feedback or would like to submit a question please contact one of the following:

Project Team:



Email: HodgsonDog.Creek@gov.bc.ca



Phone: **250-299-1494**



Website: gov.bc.ca/cariboo

City of Williams Lake:



Email: landstability@williamslake.ca



Phone: **250-392-2311**

Cariboo Regional District:



Email: mailbox@cariboord.ca



Phone: **250-392-3351**



Aerial view of the Hodgson Slide area, looking toward Williams Lake.

Project details continue to be refined and confirmed. For the latest information or to learn more about the project, scan the QR code.

