RYZUK GEOTECHNICAL

Engineering and Materials Testing

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June 24, 2025
File No: 11182-4

Alana Duncan, RPF,
Valemount Community Forest Corporation,
PO Box 1017, Valemount BC, V0E 2Z0

Westridge Development Area, near Valemount BC,
Formal Notice of Road Closure at: 16.25 km, Westridge Forest Service Road,
UTM Location, 338,077m E, 5,857,326m N, 1,240m Elevation

We understand the landslide was discovered June 03, 2025 by tree planters attempting to return to their worksite of the day prior. The road was blocked by the slide so they could not continue to their work location.

Drone film footage was exposed June 05, 2025 by unknown persons and provided to Valemount Community Forest Corporation. Ryzuk Geotechnical Engineering Ltd. investigated the slide June 18, 2025. Based on the site review, a verbal notification to close the road to the public until further notice was issued to Valemount Community Forest Corporation. As of the June 18, 2025 investigation date, we understand that Valemount Community Forest Corporation had already notified the local newspaper or other local media agents of the event, and of their decision to close the road to public access.

This letter is the formal, written, "**Notice of Road Closure**".

The road shall remain closed to all persons and all motor vehicles until further notice. Geotechnical engineering analysis of the event has now commenced.

To many observers, the slide as it appears at the road elevation may not seem very dramatic. At elevation however, the amount of water flowing down the slide increases dramatically if compared with flows observable at the road elevation. Huge volumes of partially saturated and saturated material also occur over the bulk of the elevation range from 1,290m± elevation, and up to the initiation point at 1,441m±. The majority of these volumes may experience large scale additional displacements at any time. Rainy weather may or will increase the frequency and volume of any, and all further displacements for many weeks yet.

The remarked difference in appearance at the road elevation compared with the higher initiation elevation, and with the gutted run out descent length below, is apparent in the photos on page 2.

Presently, the slide area and a 750m perimeter around the entirety of the slide footprint, are rated as a very high risk zone for persons on foot or using motorized vehicles, bicycles, horses or other modes of transport.

This notification dated June 24, 2025, and here labelled 11182-4.20250624 has been prepared exclusively for Valemount Community Forest Corporation and its agents.

Regards,

Ryzuk Geotechnical, PTPN: 1002996

Len Ginnever, P.Eng.,

Reviewed by,

Matt Mueller, P. Eng.

References

1. Murphy, D.C., Geology: Canoe River Mapsheet, Geological Survey of Canada, Ottawa, 1990,

Photographs (June 05, 2024)

APPENDIX ONE: Definitions

For reporting purposes the following definitions are used:

- Hazard, or hazard of occurrence: Refers to the likelihood of damaging natural or anthropogenic related process occurring due to development impacts or due simply to the natural condition, as the case may be…. Hazard ratings can be low, moderate or high. Some examples are: A) a cut and fill road across moderately reposed sidehill terrain is given a specific hazard of low, moderate or high for landslide occurrence, dependent on soil properties, seepage conditions or other site attributes; B) a proposal to clear cut a steep slope with high lead rigging may be assigned a hazard for the post harvest condition… in the sense that the clear cut condition may affect the stability of the slope, or gouging or scarring due to poor deflection or tower locations, may affect the slope and lead to instability; C) an older bridge is to be refurbished to mitigate hazards related to its continued use if not refurbished. Without completing the refurbishment, a high risk rating would be imposed for the structure.
- Consequence: Refers to the type, extent, or nature of damage that may result from a landslide, and specifically, which landscape features or improvements may be affected. Consequence ratings are low, moderate or high.
- Risk: Refers to the combined result of hazard and consequence ratings and is commonly expressed as the product; Hazard X Consequence = Risk. Hazard times consequence products are commutative. Four risk ratings: very high, high, moderate, and low, arise as follows:

<u>Hazard x Consequence = Risk</u>

1: high x high = very high
2: high x moderate = high
3: high x low = moderate
4: moderate x moderate = moderate
5: moderate x low = low
6: low x low = low