



REGIONAL DISTRICT of Fraser-Fort George

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REPORT FOR CONSIDERATION

TO: Chair and Directors File No.: N/A

FROM: Kenna Jonkman, MCIP, RPP, General Manager of Community and Development Services

DATE: July 4, 2025

SUBJECT: Disaster Risk Reduction – Climate Adaptation Project Report – Flood, Steep Creek and Landslide

SUMMARY: Purpose: For Information

Attachments:

1. Final Report
2. Appendix B - Data Compilation
3. Appendix C - Geohazard Event Inventory
4. Appendix J - Gaps and Limitations
5. Drawings
6. RDIFFG Fact Sheets
7. Disaster Risk Reduction Information Sheet

Previous Reports:

1. Item 8.1, February 2024
2. Item 6.1, August 2023

RECOMMENDATION(S):

1. THAT the report “Disaster Risk Reduction – Climate Adaptation Project Report - Flood, Steep Creek and Landslide” dated July 4, 2025 be received for information.

ENTITLEMENT	HOW VOTE COUNTED
All 1 Director/1 vote	Majority

ISSUE(S):

The intent of the Disaster Risk Reduction-Climate Adaptation funding stream is to support eligible applicants to reduce risks from future disasters due to natural hazards and climate-related risks through the development and implementation of:

- Accurate foundational knowledge of the natural hazards they face and the risks associated with BC's changing climate
- Effective strategies to prepare for, mitigate, and adapt to those risks.

The Regional District, along with project partners: Lheidli T'enneh First Nation, McLeod Lake Indian band, City of Prince George, District of Mackenzie, Village of McBride, and Village of Valemount, have worked with Fraser Basin Council and BGC Engineering Ltd. to develop a report that provides foundational knowledge of flood, steep creek and landslide risks in the region and the risks associated with BC's changing climate.

Representatives from Fraser Basin Council and BGC Engineering Ltd. will be in attendance to present to the Board the findings of the project.

The Board is not being asked to take any action.

RELEVANT POLICIES:

1. Official Community Plans
 - Environmental objectives within each Official Community Plan. General objective is to implement policies that are directed at minimizing public exposure to potential damage to property, threats to human life and negative impacts to the natural environment in area subject to hazardous conditions.
2. *Community Charter*
 - Establishes the ability for building inspectors to require an owner of land to provide a report certified by a qualified professional that the land may be used safely for the use intended if land is likely to be subject to flooding (and other natural hazards).
3. *Emergency and Disaster Management Act*
 - Requires local governments to maintain an emergency management plan and that planning efforts include risk assessments that support the ability of a local government to respond to an emergency event.
4. Emergency Management Bylaw No. 2960
 - Establishes an emergency management program that includes mitigation, planning, preparedness, response and recovery.

STRATEGIC ALIGNMENT:

- | | | | |
|---|---|--|---|
| <input checked="" type="checkbox"/> Indigenous and Intergovernmental Partnerships | <input type="checkbox"/> Organizational Strength and Adaptability | <input checked="" type="checkbox"/> Quality Community Services | <input type="checkbox"/> Environmental Stewardship and Climate Action |
| <input checked="" type="checkbox"/> Awareness and Engagement | <input type="checkbox"/> Statutory or Routine Business | | |

Indigenous and Intergovernmental Partnership Goal:

2. Enhance current government-to-government partnerships and foster new ones

Quality Community Services Goal:

3. Continue to advance community safety and emergency management

Awareness and Engagement Goal:

1. Work towards a better understanding of our communities through information gathering, research and engagement to inform our decision making

SERVICE RELEVANCE:

Regional District Land Use Services is a region wide service and fulfils the obligations of land use planning under Part 14 of the *Local Government Act*.

Regional District Inspection Services is a region wide service and fulfils the obligation of specific powers under Part 9 Division 1 – Building Regulations of the *Local Government Act* and the *Building Act*. Building Inspection service has been in effect since 1969 and Building Bylaw 3239, 2021 applies to all Electoral Areas.

Regional District Emergency Preparedness Service provides the operational capability of the Emergency Management Program which has been established to fulfill the requirements of the Regional District under the *Emergency Program Act*.

FINANCIAL CONSIDERATION(S):

Union of BC Municipalities (UBCM) funding can contribute 100% of the cost of eligible activities up to a maximum of \$150,000 per participating applicant. The project has been fully funded under this model.

OTHER CONSIDERATION(S):

Technical Expertise and Project Management:

BGC Engineering Ltd. has also undertaken similar qualified professional technical work for other Regional Districts. Fraser Basin Council also has experience in project management by coordinating and delivering this type of project on behalf of Indigenous and local governments. Their role has been to coordinate the work of the steering committee, made up of representatives from each participating government and ensure technical work being done meets grant requirements.

Project Website:

Fraser Basin Council maintains a project website for use by all partners: [Disaster Risk Reduction - Fraser Basin Council](#)

DECISION OPTIONS:

1. Approve recommendations.
 - The report will be received.

COMMENTS:

This project (Phase 1) started in fall of 2023 and consists of foundational activities (risk mapping, risk assessments, planning), providing a systematic inventory and risk prioritization of flood and steep creek geohazards, including the susceptibility to climate change.

Phase 1 included the establishment of a steering committee comprised of representatives from each partnering government and external agencies with expertise in the field (University of Northern BC, Ministry of Emergency Management and Climate Readiness, Ministry of Transportation and Transit, and Ministry of Forests). The committee's responsibilities included enhancing communication, sharing resources, and providing local knowledge serving to build and strengthen a better understanding of risk, governance, organizational roles, and capacity.

The study includes regional scale hazard mapping, the identification of values/assets overlapping with hazardous areas, and an objective approach to prioritize hazard areas based on principals of risk management. The deliverables will provide the fundamentals of hazard exposure and risk that are applicable for risk management decision making, and will support more detailed steps of each pillar of disaster management in future.

This project will support the work done by Development Services, through land use regulation and building inspection services, as well as provide baseline information for the delivery of emergency management programs and response. In addition, it will also provide the Regional District Board with additional information when considering land use planning, building inspection, emergency management and climate change adaptation policy.

The next project (Phase 2) will include all original partners from Phase 1 and build off the work that has been completed to date. Phase 2 will include risk assessment of heat and drought for the region, as well as a policy analysis of existing policy for all partners. Phase 2 has been fully funded through UBCM grants and will advance upon completion of Phase 1.

Respectfully submitted,

"Kenna Jonkman"

Kenna Jonkman, MCIP, RPP
General Manager of Community and Development Services

KJ