

This is a project status update for Lillooet Lake Estates (LLE) community members regarding the debris flow mitigation project [related to the debris flow hazard at Catiline Creek](#).

Project Overview:

The project is to design, construct, and establish operation and maintenance of a debris flow mitigation structure for the Catiline Creek at Lillooet Lake Estates (LLE). The objective of the project is to reduce the risk to the community and potential for loss of life by increasing capacity of the existing channel to manage future debris flows up to 100,000m³ through the community, under a new forest service road bridge, and into Lillooet Lake. Details of the project scope, current funding and approved budget along with these community updates can be found on the project website: <https://www.slrld.bc.ca/catilinedfm>

Project Updates:

- SLRD staff presented Project Status Update #4 to the SLRD Board on June 26, 2024. The full staff report may be viewed here: [Catiline Creek Debris Flow Mitigation Project - Status Update No. 4](#). View the presentation on YouTube: [click here](#)
- The 5 year budget for Catiline Creek Debris Flow Mitigation Service (Cost Centre #2406) is [available to view online in the Financial Plan](#). At this time, the SLRD has not yet borrowed any funds from the \$4 million loan that has been authorized for this project, however the full loan amount of \$4 million dollars is included in confirmed funding for the project. An information sheet on the loan is being developed to share with the community.
- Initial archaeological investigations (Preliminary Field Reconnaissance) were completed by a Registered Professional Consulting Archaeologist and Archaeological Technicians from Lílwat Nation in July. Results from these investigations will inform engineering design and construction activities.
- In late June 2024, the Province announced the new Disaster Resilience & Innovation Fund (DRIF), which is managed by the Ministry of Emergency Management and Climate Readiness (EMCR). The SLRD Board directed staff to collaborate with LLE and work to identify a potential project phase to meet the project scope criteria requirements of the DRIF grant program ([view report](#)). Effort was put into exploring ideas for phasing with the engineers and fund administrators, however an appropriate phase was not able to be identified in time for submission (due date September 15, 2024).
- Staff are seeking Board approval to review options for the upcoming Community Emergency Preparedness Fund (CEPF) intake (deadline October 4, 2024) at the September 25, 2024 SLRD Board meeting. If this work is approved by the Board, exploring this potential funding opportunity is an additional step to mitigate the risk of upward pressure on costs. However, there would be a number of constraints to being able to submit a funding application. Please refer to the full staff report for additional information on this potential submission: [View Report](#)

- Staff have recently received details of the Fisheries Act Authorization to federal Fisheries and Oceans Canada (DFO) including requirements for riparian habitat offsetting, and DFO review timelines. Unfortunately, to meet DFO requirements, there is potential for a significant delay to the start of construction. Staff are working to learn more about the requirements and potential impacts to the project schedule.
- The SLRD continues to work with consulting engineers Kerr Wood Leidal (KWL) as KWL progresses towards issuing the Final 100% design drawings and associated cost estimate, currently scheduled for mid-September. Once these final documents are received and reviewed by staff, staff will bring a staff report to an upcoming SLRD Board meeting with an updated project budget and schedule for the SLRD Board's consideration of approval.
- The SLRD continues to work on other permit applications including the Water License Application to the provincial Ministry of Water, Land and Resource Stewardship and authorizations required under the provincial Dike Maintenance Act.

Current Work

At this time the project team is proceeding with a number of activities, including:

- Presenting Status Update #5 at the September 25, 2024 SLRD Board meeting at 1:00 pm. Report will be posted on the website when the agenda is published, and the presentation can be viewed online. [View Report](#) or view the [SLRD's YouTube channel](#).
- Activities related to completion of the detailed design phase, including working towards receiving the Final 100% design drawings and associated cost estimates, and development of operations and maintenance manuals for the mitigation structure.
- Reviewing DFO Authorization requirements and timelines, developing components required for submission to DFO.
- Review potential to reduce costs through the detailed design process.
- Completing owl surveys.
- Continuing towards finalizing the statutory right of way with Lillooet Lake Estates;
- Coordinating with the Ministry of Forests for the replacement of the FSR bridge and potential areas along the In-SHUCK-ch FSR to improve the road.
- Consultation and engagement with First Nations.
- Preparing for upcoming construction procurement.
- Working through permitting and land tenure requirements.
- Grant administration and review of grant opportunities.
- Communications.

Upcoming Milestones – Q3/4 2024:

- Continue First Nations engagement and consultation activities;
- Conduct additional site visits – SLRD consultants will be on site to complete work including geotechnical investigations and fish salvage. Once fish salvage dates are confirmed, dates will be provided to LLE representatives to communicate to the community, and posted to the [SLRD project page](#).
- Receive 100% design drawings and updated cost estimates.
- SLRD Board to consider approval of updated project budget and schedule (meeting date to be confirmed).

- Continue work on permitting, and coordination with stakeholders. Revise and communicate schedule as needed.
- SLRD Board to consider security issuing bylaw for a first draw of the up to \$4 million loan (meeting date to be confirmed)
- If an application can be developed for CEPF, submit an application to CEPF in collaboration with LLE (deadline date is October 4, 2024).

Site Visits:

The SLRD and their consultants/contractors and partners will continue to conduct necessary site visits related to the project in and around Lillooet Lake Estates in the coming months. Thank you for your patience and cooperation during these necessary site visits and inspections, as the SLRD works towards reducing debris flow risk in the Lillooet Lake Estates community. Please let the SLRD (pcampbell@slrd.bc.ca) and or LLE representatives know if you have any feedback at any time.

Project Governance:

The SLRD works with LLE on this project through the Project Steering Committee and regular coordination meetings. The Project Steering Committee includes senior SLRD staff, the project manager, and Gary Young (acting in an advisory capacity) as the appointed representative of the LLE Board, with Peter Shrimpton as Mr. Young's alternate. This committee meets monthly to provide project oversight, and as needed makes recommendations to the SLRD Board for items requiring SLRD Board decisions or approvals.

Contact:

The SLRD appreciates the support of the community members during this important project. The SLRD is committed to keeping you informed and will provide another update once the next milestones are reached. If you have any questions or concerns, please do not hesitate to reach out to your LLE representative, or the SLRD staff listed on the project webpage: slrd.bc.ca/catilinedfm