



## **Presidents Report – 2016**

### **1) Mitigation Project**

#### Background

Our community has experienced a number of debris slides in recent years. The most recent slides occurred in 2010 and again in 2013. Approximately 25,000 cu m. of material came through the community following the Cataline Creek channel. The community has suffered property damage but no persons have been injured to date.

With the assistance of the B.C. Government and the Squamish Lillooet Regional District the firm of BGC engineers were retained. They completed a risk assessment of the community in 2015.

On page (i) of the Executive Summary, the BCG report stated: In summary, BGC's best estimate of individual risk exceeded 1:10,000 risk of fatality per year for 76 of the 128 occupied, residential-classed lots on Cataline Creek fan. Of these, 15 lots exceeded 1:1000 annual risk of fatality, more than one order of magnitude above the DNV (District of North Vancouver) individual risk tolerance threshold. Estimated group safety risk also fell entirely into the "Unacceptable" range when compared to the above risk tolerance standards.

While the study identifies a portion of LLE as being at risk, the reality is the economic viability of LLE as a whole is at risk. It is difficult to imagine many buying into LLE, regardless of location of the site, in the face of this worrisome finding. Very few sales have occurred in the past few years.

The SLRD has placed a "Do Not Occupy Recommendation" on 99 of our 152 sites and has registered this 'on title'. Some of these residences are permanent homes for many individuals who are on fixed incomes and are unable to move.

In 2015 the SLRD established a working group with a mandate to bring together all the parties that are impacted by this ongoing threat to life, property and livelihood and to develop an action plan to solve this matter. The working group continues to function and all parties are sympathetic to the dilemma facing our community and all users of the forest service road.

2016 Actions

In 2016 Lillooet Lake Estates retained the consortium of Kerr Wood Leidal (KWL) and BGC Engineers to prepare a conceptual design for a debris flow mitigation solution to make the LLE community safe. The planning included required changes to the In-shuck-ch Forest Service Road and bridge that have proven to be an impediment to the slide material.

This study was delivered to the LLE Board in early October. Here are some of the highlights:

- The basic premise is to create a wide, deep, straight channel to go from the top of LLE to the lake roughly following the current Cataline Creek basin.
- The expected material that needs to be removed will be approximately 188,000 m<sup>3</sup>.
- The proposed design will impact 18 lots. All 18 lots owners have been contacted directly before the report was released.
- The concept includes large setback training berms in the upper fan to direct any debris flow into the new channel
- BCG has run a risk analysis on the proposed plan in a manner similar to the one they completed in 2015. They report that the proposed plan, would result in all lots in LLE being deemed ‘safe’ for the 1 in a 1000 year event i.e. up to 100,000 m<sup>3</sup> of material in a slide.

Project Costs:

The engineers identified a project budget of \$7,975,000, which included healthy contingencies.

The board believes that with tight controls and a competitive bid process this budget could be reduced as follows:

Excavation	\$ 5 M	(estimate from Lizzie Bay)
Detailed Design / Supervision	\$ .75M	(15%)
<u>Contingencies</u>	<u>\$ 1.25M</u>	(22%)
Total	\$ 7.M	

Presidents Report re: 2016

As well the Forest Service Road bridge and associated works will cost approximately \$1.5M. We have obtained a commitment from Forest Services to complete their portion of the project in concert with our construction activities.

We hosted the environmental staff from KWL who walked the entire project. In the main they noted that they expect the Provincial Staff to understand that safety overrides environmental concerns. They believe that the general rules won't apply on this project given that we will be reconstructed a creek channel not just working in and around the current water flow.

One of the challenges with the project will be where to put the excess material once it is removed from Cataline. We have approached the Forest Services who have agreed to accepting the material and using it to build up the Forest Service Road (FSR).

#### Funding:

Funding this project is of course the biggest challenge.

In the late spring LLE made an application for funding through the National Disaster Mitigation Program (NDMP). Our application was not approved. We later learned that the only projects funded were planning projects.

We applied again for \$3M from this program with an early October deadline, which was days after the KWL report, was completed.

We made presentations to the SLRD board, our MLA and Area C Director, and also our MP in separate meetings. All agreed to provide whatever support they can to our community.

In December we were informed that we would not be funded by NDMP this year.

The funders identified several steps that LLE needs to take before it would be eligible.

- They want to be assured of secure funding and so we need to show that we have a loan secured to complete our portion of the project.
- As well, they need to see approvals from various regulators: Inspector of Dykes, Water, Environment, agreement in place re Dyke & Channel maintenance etc.

Now that we have the KWL report we can proceed to compete this checklist. We can apply

Presidents Report re: 2016

to this fund again this August. We expect that other grant programs will be announced in the coming months.

### LLE Loan

It is essential that we have funding available if we hope to be successful with any grant applications in the future.

We have approached SLRD to secure a loan at an excellent rate. The board has taken the first steps. This process is identical to the steps we took to secure funds for Hydro before the BC Hydro grant program was cancelled. The full process takes approximately one year. An essential step in this process is the approval process of our shareholders. As was the case before, we require a petition signed by at least at least 50% of the lots in the proposed service area and 50% of net taxable value of land.

The board is recommending that the shareholders approve a loan of up to \$3M. With these funds available we can proceed with further granny applications. Obviously we will seek to secure grants that would require a smaller loan.

In summary, the board is committed to finding a way to make our community members safe from future debris flows.

Aside from the various committee reports that will be provided by Finance, Public Works, Fire & Safety the most important matters to report all noted in previous newsletters.

### ***2. Home Businesses***

The LLE Board of Directors must approve home businesses. No business operations may be operated by renters or lessees of lots in LLE. If you plan to operate a business out of your lot at LLE please contact your gate rep. If you lease/rent out your lot to others please inform them that cannot operate a business from the rental property.

### ***3. Dogs on the Run***

We have had several problems reported of dogs running free and threatening walkers, While we do not require dogs to be tied up all the time, if you have an animal that is any way aggressive you must restrain the animal or face possible penalties. Our estate must be a safe place for persons of all ages to enjoy walkabouts freely.

### ***4. ATV's in LLE***

Please be reminded that ATV's drivers need to be respectful of others. Our roads should not be seen as raceways for ATV operators. We have received several complaints especially from several gate 1 owners re noise and excessive speeding.

### **5. Late Night Noise**

From time to time we have reports of 'gatherings' that forget to turn music down after 11PM. We have had several reports this year. Repeated violations of the LLE bylaw can result in fines. As well the RCMP can respond under a similar SLRD bylaw. We have at least one open police file this year. It's simply a matter of courtesy to all neighbours.

### **6. LLE Web Site**

Just a reminder to check our web site from time to time for updates on various matters. It would be appreciated if you would keep your personal information up to date so that we can keep in communication with you both by post and email. <http://lilloetlakestates.ca>

If you have not set up a password try your user name as your password as well and then change it. Your user name is usually your first initial and last name. e.g., Mary Smith = msmith