

Lions Bay 2021/11/29

**TO: Co-Chairs of the Climate Action Committee (CAC): Norman Barmeier & Jaime Cunliffe. cc - CAC members.**

**RE: Information required to inform a watershed management strategy for Lions Bay**

As indicated under item 7c in the minutes of the November 22 meeting of the CAC, wildfire and ensuing slope stability hazards within the village are expected to worsen with climate change. This will increase the potential for impact on the village watershed and infrastructure. Staff has instructed that requests for related information be made through the CAC.

During the November 22 meeting it was moved that a list of information required to inform a watershed management strategy for Lions Bay be prepared and forwarded to the CAC co-chairs for appropriate action by council and staff..

**INFORMATION REQUIRED**

The following information is required by the CAC in March 2022 in order to prepare a draft strategy to mitigate threats from wildfire and ensuing hill-slope hazards in the Lions Bay watershed. This will be submitted to Council for consideration before the 2022 wildfire season.

1 - Names and contact numbers for village staff and /or fire department with knowledge or responsibilities related to managing wildfire, coastal, creek and hill-slope hazards in the Lions Bay watershed.

2) - Links to Council discussions related specifically to managing wildfire, coastal, creek and hill-slope hazards in the Lions Bay watershed.

3) - Specific locations in the village where coastal, creek and hill-slope hazards have been problematic in the past.

4) - Natural hazard reports describing issues with our creeks by: Hungr and Morgan (1984), Hungr et. al. (1984), Lister et. al. (1984), VanDine (1985), Bovis and Dagg (1987).

5) - Natural hazard reports describing issues with rock fall hazards in the vicinity of Lions Bay by: Bunce et. al. (1997) and Hungr et. al. (1999)

6) - Books by Eisbacher (1983), Evans and Savigny (1994, Couture and VanDine (2004) describing hazards in the region.

7) - Reports on site specific studies of hazard issues conducted within Village of Lions Bay including: (Golder 1989; Fieber Rock Engineering Services, 2011; Geopacific 2016); Open-slope slides - (Cordilleran 2014a; BGC 2012/2013); Road stability and associated down-slope risks (Golder 2006; Cordilleran 2011; Cordilleran 2012b, 2013); Creek hazards (Hungr 2007; BGC 2012/2013; Cordilleran 2012a, 2012b, 2014b); Coastal processes (Westmar 2005)

8) - Geopacific 2016. Rock Fall Review, Harvey Creek Intake Access Road, Lions Bay, BC. Report to Village of Lions Bay, Lions Bay.

9) - Golder Associates Ltd., 1989. Kelvin Grove Developments, Rock Slope Stability on Lot 48. Report to Village of Lions Bay, Lions Bay.

- 10) - Golder Associates Ltd., 2006. Slope condition assessment phase 4 & 5 access road, Lions Bay. Report to Village of Lions Bay, Lions Bay.
- 11) - The proposal, work plan, budget, status, and initial results related to the study UBC is doing in the Watershed.
- 12) - The latest draft of the village Community Wild Fire Protection Plan (CWFPP) and a copy of the final when it is approved by the Province.
- 13) - Updates to the Natural Hazard Assessment (NHA) done by Cordilleran Geoscience in June 2018.
- 14) - Applications for grants related to wild fire and natural hazard management.
- 15) - Details of grants / funds granted for management of wild fire and natural hazards.
- 16) - Request for Proposals (RFP) sent to contractors regarding wild fire and / or natural hazard management work to be done in the village.
- 17) - A copy of the winning bid (from Silverback?).
- 18) - A copy of the contract, work plan and schedule for the work to be done by the selected contractor (Silverback?).
- 19) - A copy of the work completion report from the contractor (Silverback?).

#### **PROPOSED ROLE OF THE CAC**

- 1) - Prepare draft strategy to mitigate threats from wildfire and ensuing hill-slope hazards in the Lions Bay watershed for submission to Council.
- 2) - Follow & contribute to the discussion, planning and monitoring of work to minimize the threat of wild fire and slope instability in the watershed.
- 3) - Support an individual on village staff or fire department trained and designated as the LFR (Local Fire-smart Representative) for Lions Bay.  
NB) Having a village staff member trained as a LFR will facilitate implementation of measures to protect the village from wild fire and ensuing hill- slope hazards. The training is free and Grants will cover most of their CWFPP related work.