

Thompson Watershed Disaster Mitigation Advisory Committee
10:00AM to 2:45PM, Monday September 16, 2019
Fraser Basin Council office, 200A-1383 McGill Road, Kamloops and Go To Meeting
Meeting summary as at September 18, 2019

Meeting Objectives

- Receive update on status of flood projects underway
- Share information about related initiatives underway
- Discuss next steps, future meeting dates

Participants (all in person except Charlene Menezes)

- Mitch Campsall, Mayor, District of 100 Mile House
- Jim Dinwoodie, City of Merritt
- Kris Holm, Principal Geoscientist, BGC Engineering Inc.
- Bill Kershaw, Vice Chair/Director, Electoral Area O, Thompson-Nicola Regional District
- Tom Kneale, Geotechnical Engineer, MOTI (to 12:00PM)
- Terry Olsen, Emergency Management BC (to 12:00PM)
- Al Richmond, Director, Electoral Area G, Cariboo Regional District
- Steve Schell, Senior Project Manager, South Region, MFLNRORD*
- Grame Schimpf, Operations Manager, MOTI* (from 10:45AM)
- Mike Simpson, Senior Regional Manager, Thompson, Fraser Basin Council
- Gerald Smith, Provincial Planning Officer, Emergency Management BC (EMBC)
- Havan Surat, Manager of Development Services, Cariboo Regional District
- Jan Thingsted, Long Range Planner, Columbia Shuswap Regional District

* *Ministry of Transportation and Infrastructure*

** *Ministry of Forests, Lands, Natural Resource Operations and Rural Development*

1. Welcome, Introductions, Agenda and Objectives

Mike Simpson welcomed everyone, Secwepemc territory was acknowledged, and introductions were made around the room and on the phone. The agenda was accepted.

2. Meeting Summary from March 5, 2019

The meeting summary from March 5, 2019 was approved. All actions were completed.

3. Risk Prioritization and Floodplain Mapping Update

Kris provided an update on the floodplain mapping work underway in the Thompson River Watershed (TRW), within the boundaries of the Cariboo Regional District and Thompson-Nicola Regional District. He also provided an overview of the risk prioritization work underway in non-Thompson River Watershed portions of those regional districts. Kris' presentation can be accessed at www.thompsonflood.ca and the file circulated with this meeting summary.

4. Lidar Acquisition

Mike provided an overview of the tendering process for the lidar acquisition project. Areas proposed for lidar acquisition were informed by the final risk prioritization report, the input from the March 5, 2019 Advisory Committee meeting, and through liaison with GeoBC staff about lidar acquired to date and gaps. A request for proposals was posted on BC Bid in June,

and eight proposals were received and reviewed in early July. Terra Remote Sensing was awarded the work, which will commence in September.

In addition to the primary areas for lidar acquisition that are in Terra Remote Sensing's contract, additional areas are being negotiated for lidar acquisition with remaining budget.

5. Future Funding Application Opportunities

It was agreed that there is value to continue a coordinated approach to funding applications.

This is currently the last year of the federal National Disaster Mitigation Program; until there is a new federal/provincial program, the main funding opportunities are through UBCM's Community Emergency Preparedness Fund (CEPF).

The UBCM CEPF October intake is aimed at structural mitigation. Jim noted that the City of Merritt would be applying to this intake.

The [UBCM CEPF January intake is for flood risk assessment, mapping and mitigation planning](#). With \$33M available, it was agreed this could be an ideal funding program to continue the following projects which were generated by those present (just a concept; contingent on board or council approval for each):

Jurisdiction	Funding limit	Within TRW	Outside TRW
CSRD (1+4) <i>Within TRW: Salmon Arm, Sicamous</i> <i>Outside TRW: Golden, Revelstoke</i>	\$150K/government, \$750K total	Base/screening level floodplain mapping	Base/screening level floodplain mapping
TNRD (1+10) <i>All within TRW</i>	\$1.65M total	Parcel scale risk assessment, steep creek fans	None
CRD (1+4) <i>Within TRW: 100 Mile House</i> <i>Outside TRW: Williams Lake, Wells, Quesnel</i>	\$750K total	Parcel scale risk assessment, steep creek fans	Base/screening level floodplain mapping
RDNO (1+?) <i>Within TRW: Enderby, Lumby</i> <i>Outside TRW: Vernon, Spallumcheen, Armstrong, ...</i>	\$150K if just RDNO	Base/screening level floodplain mapping	? farther ahead
First Nations - UBCM funding	26 First Nations within TRW, 3 tribal councils some odd x \$150K	Bathymetric survey?	
First Nations - other sources	? have to investigate adaptation type funding programs	Bathymetric surveys?	
TOTAL potential	\$3.3M + ?		

Other ideas

- Seek funding to do bathymetric surveys
- Federal funds available to First Nations partners - seek one champion to make the funding application (but get all on board)

- Connect with FNESS - Jeff Eustache, Brent Langlois

It was suggested that the rationale for the funding application should note the following:

- Tie into Abbott/Chapman report, Auditor General Feb 2018 report, SENDAI framework
- Risk to a municipality comes from upstream of a municipality; coordinated effort;

6. What Else is Going On

This summarizes related initiatives going on that were reported throughout the meeting:

- Al and Mitch reported that the resolution, initiated at the March 5, 2019 meeting of this committee, was passed at SILGA and NCLGA and is now going forward to UBCM
TITLE: RESOURCING A COLLABORATIVE SYSTEM OF DATA SHARING IN BC
WHEREAS natural disasters pose an increasing risk to the economic, social, and environmental well-being of British Columbians;
AND WHEREAS the provincial government is taking action to improve resilience by strengthening disaster preparedness and disaster risk governance in the context of climate change;
AND WHEREAS the sharing of integrated asset data, information, and knowledge across all sectors is key to improving emergency management and resiliency planning in BC;
THEREFORE BE IT RESOLVED that the Province of British Columbia be urged to take a strong leadership role and provide long-term sufficient funding and resources to increase the coordination, assembly, and access of asset data, information, and knowledge across multiple levels and sectors of government and stakeholders (including First Nations, local governments, provincial and federal government agencies, qualified professionals, and industry sectors).
- Jim noted that modelling of the Nicola River for structural mitigation near Voght Street is underway
- Gerald gave an overview of EMBC's Common Operating Picture (COP)...
- Gerald advised that a Hazard Risk Vulnerability Assessment (HRVA) will soon be released
- Gerald noted that several workshops are held with First Nations, there could be an opportunity to showcase this collaborative work in the Thompson River Watershed

The scope of the challenges related to disaster mitigation, and the need to integrate floodplain mapping and geohazards with other disciplines and initiatives raised throughout the meeting were as follows:

- Ability to put culverts in quickly post-flood
- Relation of flood and debris flow to wildfires
- Need for this work to inform official community plans (OCPs), development permit areas (DPAs) and rather than setbacks, to use "height above nearest drainage"
- Challenge of enforcement for development in contravention of OCPs, DPAs
- Disclosure statements put on title, people knowingly building in the floodplain and minimizing future risk to local governments for costs
- The insurance sector doesn't reduce risk, they pass it on
- Having one comprehensive source of information, rather than multiple ones
- Narrow scope of funding programs (i.e., flood mitigation work doesn't look at ecological values of habitat as fully as would be desirable by some)

7. Next Steps

The following were agreed to as next steps:

- Next Advisory Committee meeting to be in February - Mike will seek a date with a doodle poll about 3 weeks in advance
- Keep in touch with individual governments about which areas make sense to include in next phases of work for their area, via email/phone

Draft agenda for next meeting:

- Review floodplain mapping results
- Determine synergies to work collaboratively
- Next steps

List of Action Items

Task	Responsibility	Timing
City of Merritt application for structural mitigation - share with Kris Holm; BGC to provide results of current work to Jim as needed	Jim D, Kris H	Ongoing
Investigate coordination options for UBCM and what is possible, with Rebecca Bishop or other UBCM staff: <ul style="list-style-type: none"> ▪ Municipalities within regional districts - can they be part of one RD application? ▪ Can the one RD application be for an amount of \$150 000 per individual government? ▪ Given that flood risk originates outside of a municipal boundary, can costs be spent more in an electoral area of RDs? 	Mike S	ASAP
UBCM CEPF application and work plan: <ul style="list-style-type: none"> ▪ Kris to outline the common work plan, tasks, deliverables, budget ▪ Mike to outline the collaboration, coordination, building on past work, rationale ▪ Mike to coordinate interest from First Nations and local governments and their applications and/or decisions regarding a coordinated approach 	Kris, Mike	Well before January 24, 2020
Arrange for updates on this initiative and the UBCM resolution to MFLNRORD executives	Steve, Mike S	ASAP
Arrange for Mike S to speak about this initiative at various events	Gerald	Ongoing
Convene a meeting with GeoBC and EMBC staff to discuss roles and synergies for geohazards information management and data sharing, leveraging the development of existing software tools (e.g. Cambio & COP). The goal would be to define roles for data management, platform development, and specialist support, resourced on a long-term basis	Gerald	Ongoing