



# Thompson Watershed Disaster Mitigation Flood and Debris Flow Risk Assessment February 14, 2018





# Welcome

- Tk'emlups te Secwepemc
- City of Kamloops





# Acknowledgements

## Funding

- Public Safety Canada (federal)
- Emergency Management BC (provincial)
- Union of BC Municipalities
  - Thompson-Nicola Regional District





## Objectives

- Initiate the risk assessment project
- Build relationships, share technical knowledge and resources
- Strike an advisory committee

## Agenda

- Sit and listen, ask questions
- Eat lunch
- Small group interaction, draw on maps
- Go home and be romantic





## Ground Rules

- Be respectful
- Stay focused on topic of flood risk assessment – not 2017 response, emergency management response
- Be hard on the issue, not the person



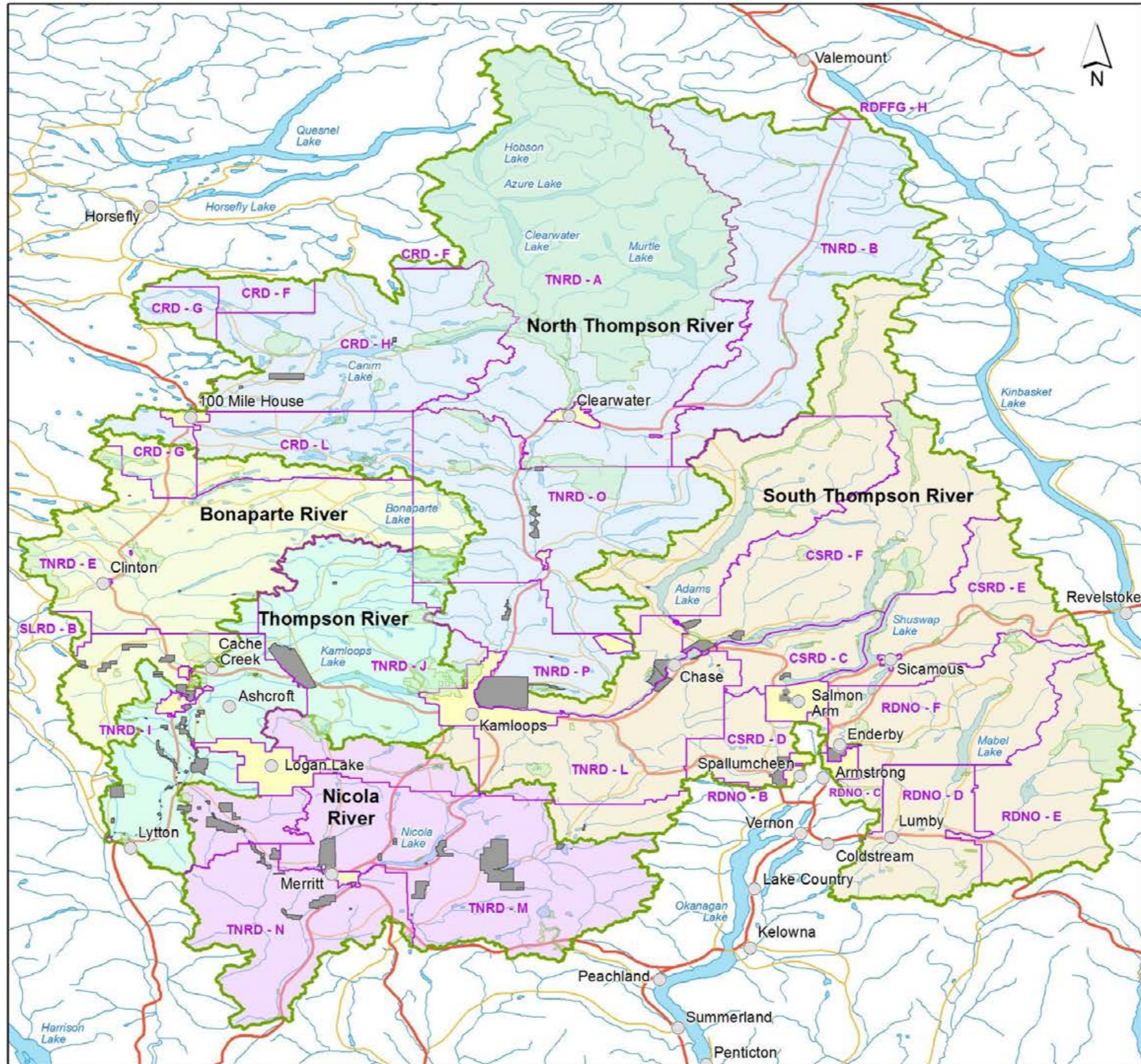


## About the Fraser Basin Council

- Sustainability mandate – integration of environmental, economic and social issues
- Non-profit organization, 38 directors, 24 staff
- Formed in 1997
- Facilitate “messy issues” that cross many jurisdictions, that require multiple parties to find solutions
- No agenda – we are convenors, facilitators, or “cat herders”
- Consensus-based and inclusive



# Jurisdictions within the Thompson Watershed





# Thompson Watershed Flood and Debris Flow Risk Assessment

- Project origins
- 200 000 people
- 5.6 million hectares
- Existing patchwork of information
- Objective, watershed-wide approach







# Thompson Watershed Flood and Debris Flow Risk Assessment

- National Disaster Mitigation Project has four streams
  - 1 – Risk Assessment (this project)
  - 2 – Flood Mapping
  - 3 – Mitigation Planning
  - 4 – Investments in Non-structural and small scale structural mitigation projects





# Thompson Watershed Flood and Debris Flow Risk Assessment

- Risk Assessment
  - Identify flood hazards (events), vulnerability (what values exist) = consequences (impacts, people affected)
  - Likelihood (chance of occurring)
  - Assign overall risk
- Lays the ground work for flood mapping, mitigation planning





# Thompson Watershed Flood and Debris Flow Risk Assessment

- Recently completed:
  - Enderby
  - Kamloops
- Current initiatives
  - Lumby
  - Nooaitch
  - CSRD
- Others? Share this afternoon





# Emergency Management BC and Disaster Mitigation

Jesal Shah, P.Eng.

Director, Disaster Mitigation Branch





# Climate Change Adaptation, Future Flood and Debris Flow Risk

Dwayne Meredith, P.Ag.

Project Manager, Water Resources

Kerr Wood Leidal Consulting Engineers





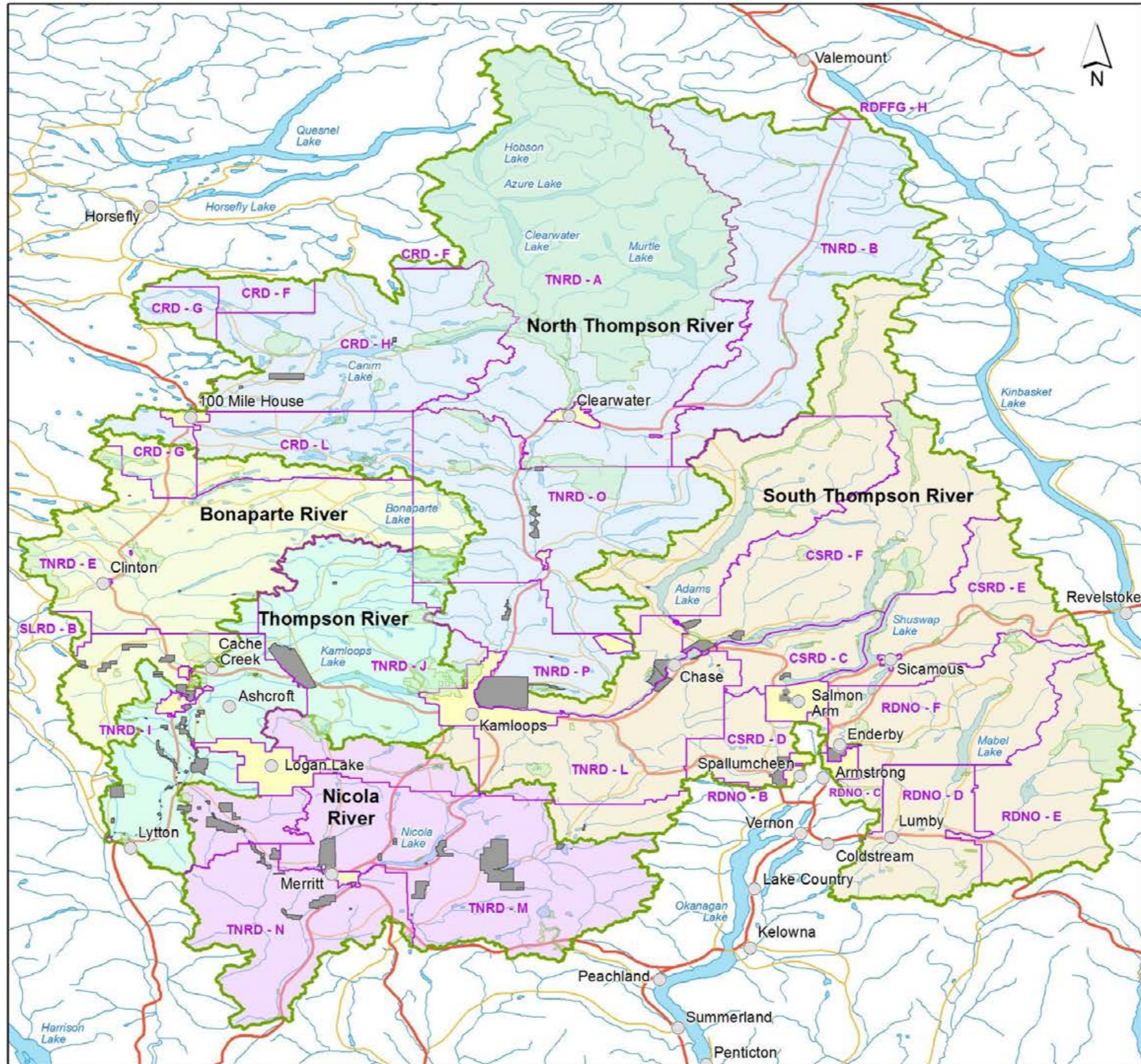
# Watershed-level Discussions

Facilitated discussions:

- North Thompson – Mike Simpson
- South Thompson – Erin Vieira
- Thompson – Cait Murphy
- Bonaparte – Jessy Rajan
- Nicola – Tracy Thomas



# Jurisdictions within the Thompson Watershed





## Watershed-level Discussions

Join watershed where your community/territory is based

Provincial or federal governments – disperse according to area of expertise or interests

Facilitated discussions:

- 2017 or recent flood impacts, values
- What's already complete, or underway
- Areas of priority for risk assessment







# Next Steps

Summary

Strive to keep you informed

Request for Proposals

- Incorporate input from today
- Post on BC Bid this month
- Have consultant in place by March 31





## Next Steps

### Advisory Committee formation

- Purpose – advise FBC on the project; help review proposals; review draft products; future \$ applications
- Explore related big issues – climate adaptation, floodplain development, insurance, ecosystem resilience
- Maximum 10 people – ideally a mix of local government, First Nations from around the Thompson watershed
- Talk to me or email me if interested





# Next Steps





# Evaluation

- What are thoughts about today's forum?
- What are your thoughts about this flood risk assessment project?
- What would you like to see next?





## Questions? Contact and more info:

Mike Simpson, Senior Regional Manager

Fraser Basin Council

[msimpson@fraserbasin.bc.ca](mailto:msimpson@fraserbasin.bc.ca)

250-314-9660

[www.fraserbasin.bc.ca](http://www.fraserbasin.bc.ca)

