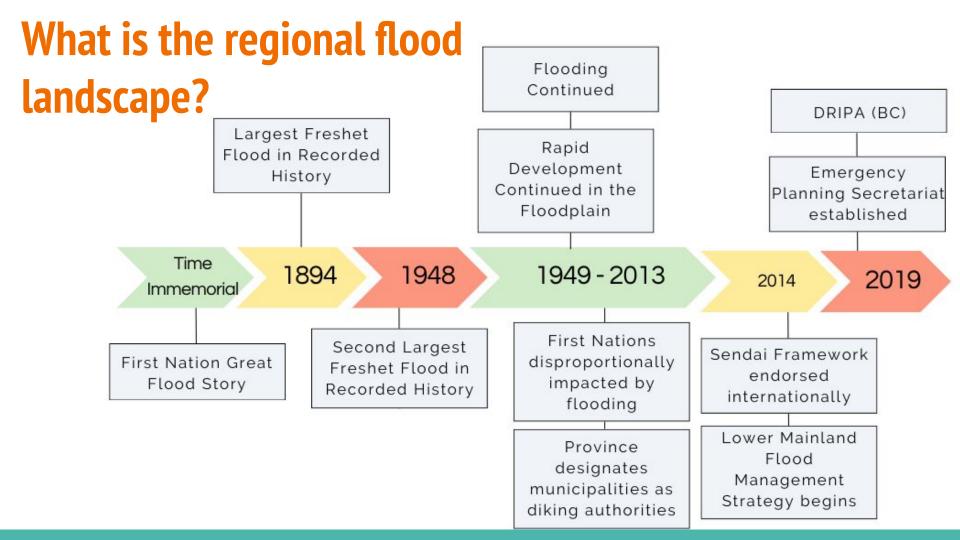
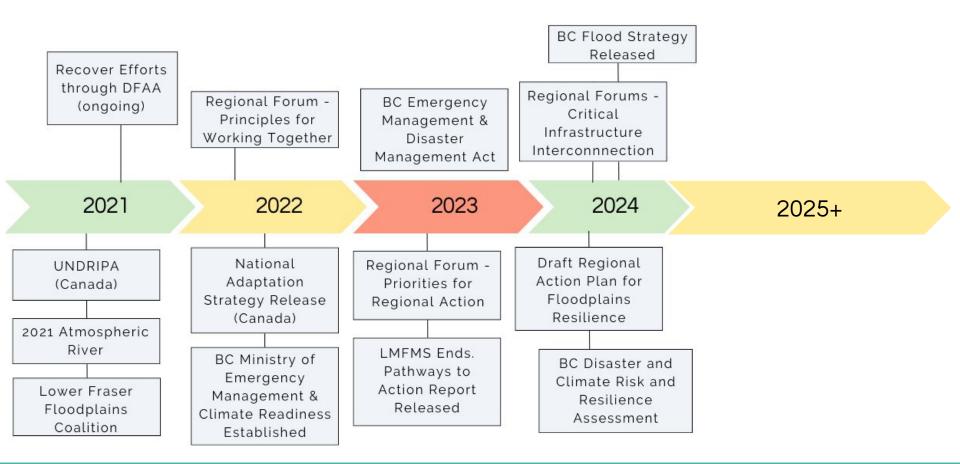
Securing a resilient future for the Lower Fraser: multi-beneficial flood management

February 27, 2025 FVRD Board Meeting Presentation by Lower Fraser Floodplains Coalition

Matthews Public Public



The regional flood landscape (continued...)



The Lower Fraser Floodplains Coalition

- **Convening neighboring** Ο **communities** to build relationships and share information
- Advocating for resources for our Ο region
- **Supporting technical work** to fill Ο in critical, strategic gaps:
 - interdependencies,
 - landscape -scale opportunities,
 - nature-based and hybrid adaptation options











consulting expineer

Floodplains by Design REDUCING RISK, RESTORING RIVERS -



UNIVERSITY OF BRITISH COLUMBIA School of Architecture + Landscape Architecture

The tough question facing the Lower Fraser:

Flood management in the Lower Fraser relies on 600+ km of dikes and related infrastructure, **so how can we make this infrastructure successful and keep our communities safe?**

Keeping in mind...

- Dikes are not up to current flood hazard standards, not to mention
 - Seismic risks are not managed
 - Pluvial events are not fully accounted for
- Climate change is increasing flood hazards
- Maintaining dikes has never been affordable for local governments
- Communities, working in siloes, compete for scarce funding from federal and provincial governments
- Even disaster recovery funding is unreliable

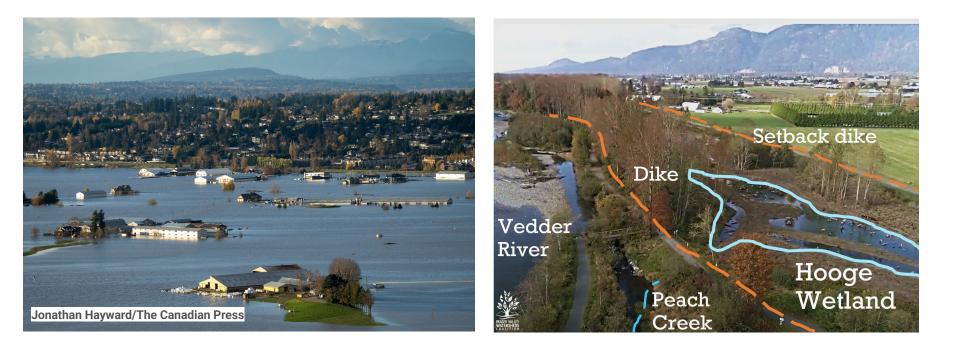
How can we respond to these challenges?

What if we ask a different set of questions?

1) What do we care about in the floodplain?



2) What is the flood risk?



3) How are our communities and services interconnected and interdependent?



Together these questions tell us: how much water we can live with, for how long and where.

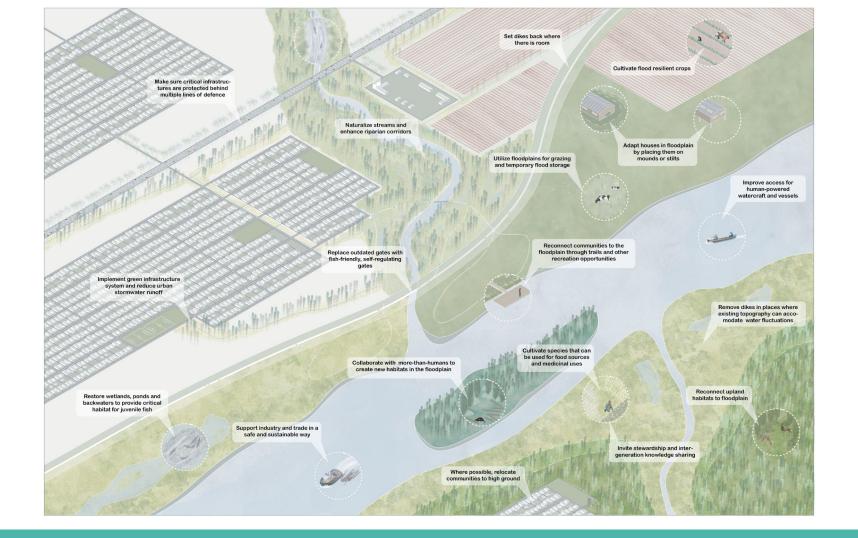
What are the options to manage flood **risk**?

= a bigger, better toolbox

the knowledge foundation
for collaborative, strategic
actions in the floodplain







Working towards flood risk management in the Lower Fraser









Lower Fraser Floodplains Dialogue for Regional Action

REPORTING BACK: COASTAL RIVER-TIDAL GATHERING - MARCH 12 2024



Looking Forward

- Future Engagement Opportunities through LFFC
 - Critical Infrastructure Assessment
 - Upcoming Forums
- Opportunities to engage with Provincial and Federal governments on flood risk management



5 Principles

Discussed at the 2023 regional forum for floodplains resilience hosted by the Lower Fraser Floodplains Coalition.

5 Principles for Action:

- 1) Understanding and reducing risk and adapting to climate change
- 1) Advancing reconciliation
- 2) Ensuring that salmon and the coastal and freshwater ecosystems they depend on are thriving;
- 3) Sustainable economies and resilient communities for the long term
- 4) Everyone is part of the solution