













Presentation Outline

- Purpose
- **►**Initiatives
 - Internal works
 - Partnerships
- Next Steps
- **▶**Questions



Purpose

To demonstrate:

- ▶The scope of work being conducted.
- ▶The tools being developed.
- ► Where we are working with other communities and organizations
- ▶The communication of flood information in the future.
- ► How this translates into constructed works.



Initiatives





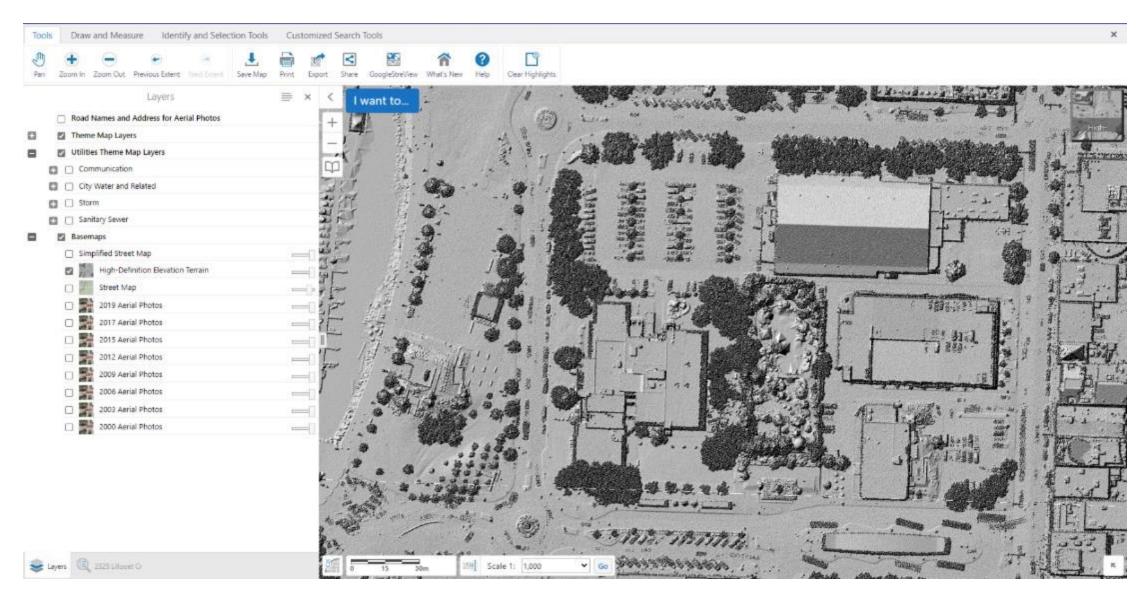
















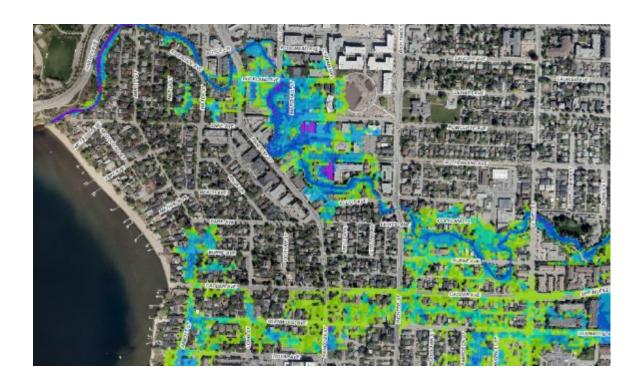


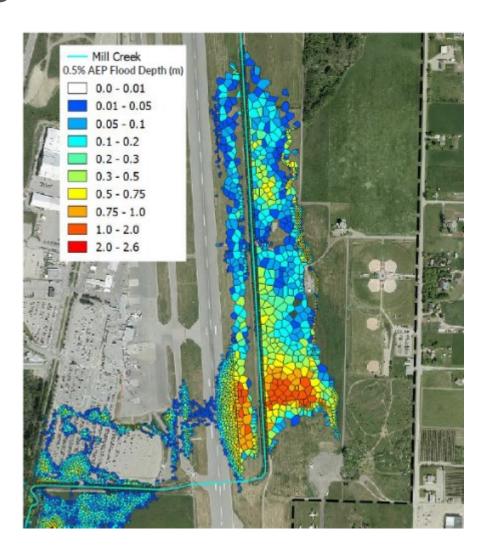




Mill Creek Flood & Hazard Mapping

▶ 1D-2D PCSWMM Dynamic Model







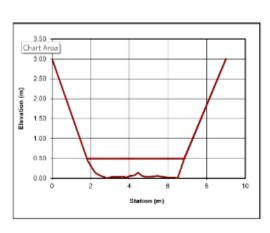


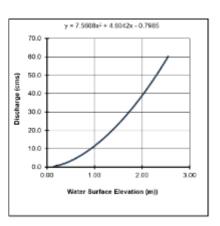


Hydrometric Stations

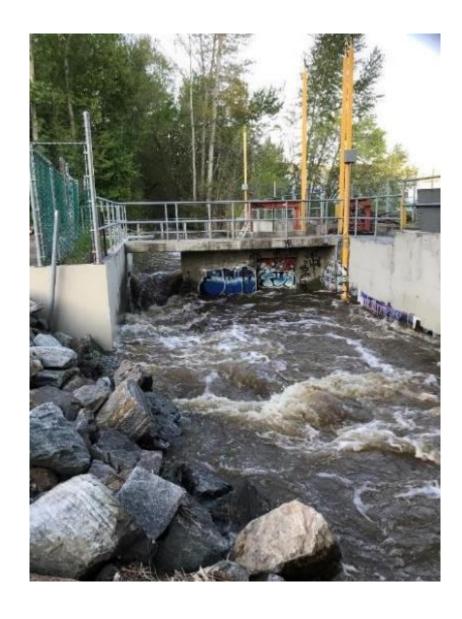












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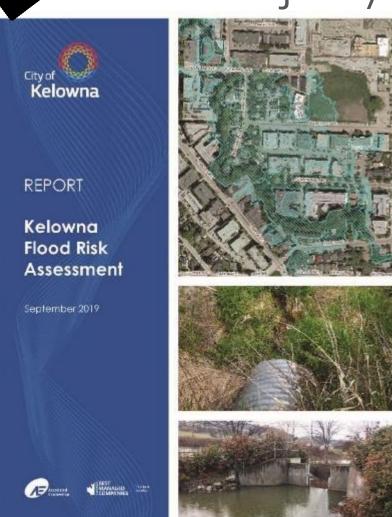




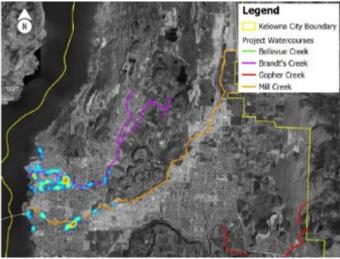


141 Steem Canada

Kelowna Major Systems Flood Risk Assessment



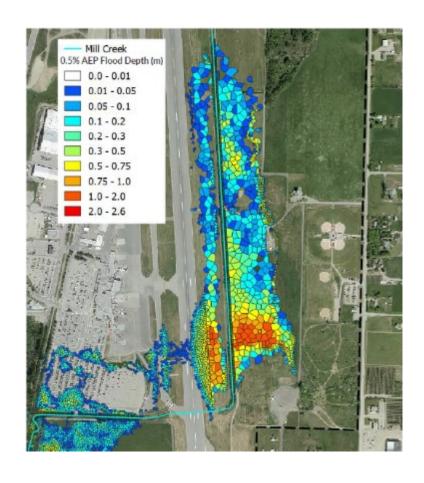


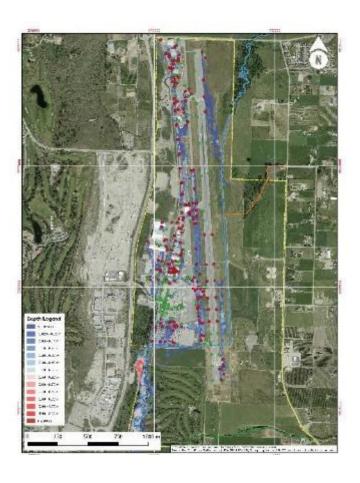






YLW Stormwater Management Plan (DRAFT)





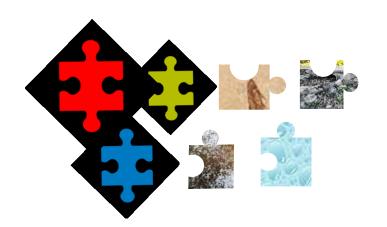


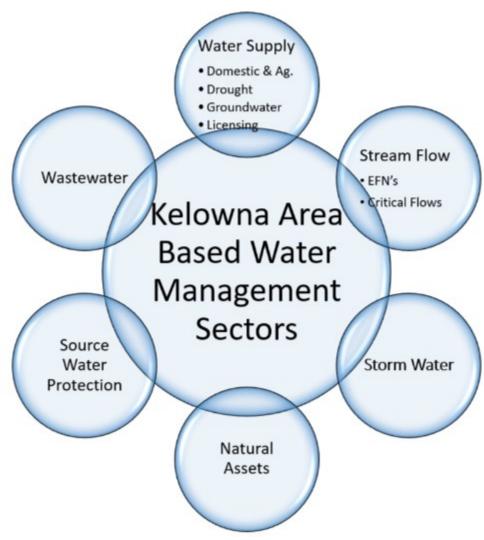




Area Based Water Management Plan

► Strategic Plan and Policy initiatives.





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Okanagan Mainstem Floodplain Mapping







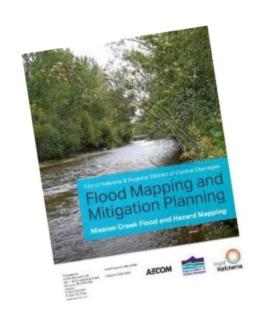


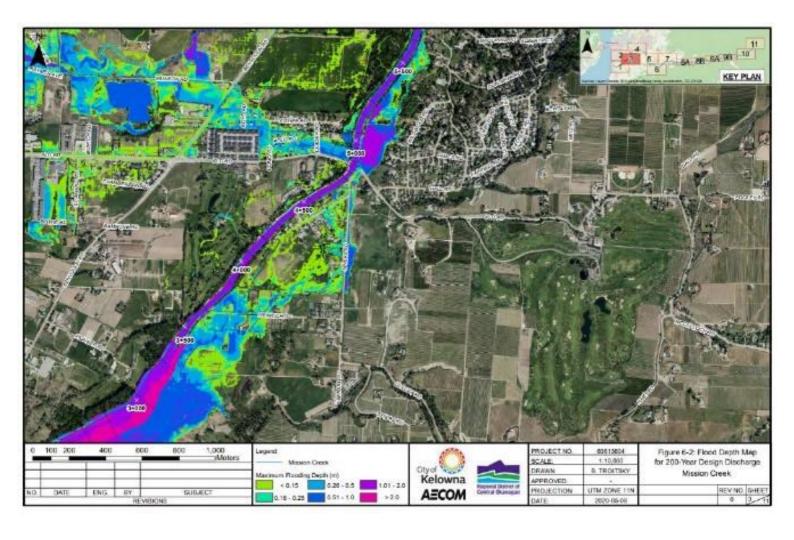






Mission Creek Flood Mapping Project





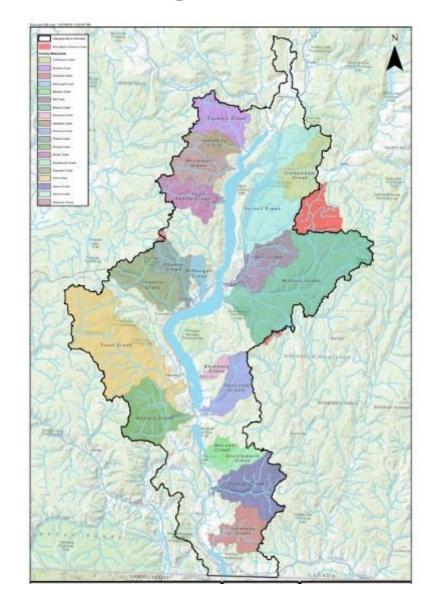
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Okanagan Basin Hydrology and Flood Routing











Web Portal



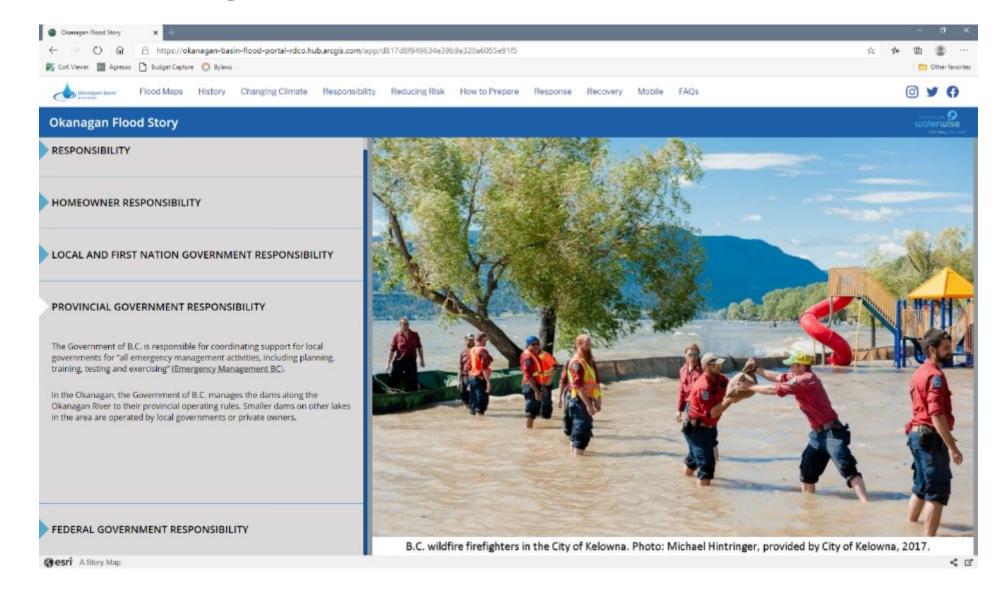
Flooding in the Okanagan - An Introduction

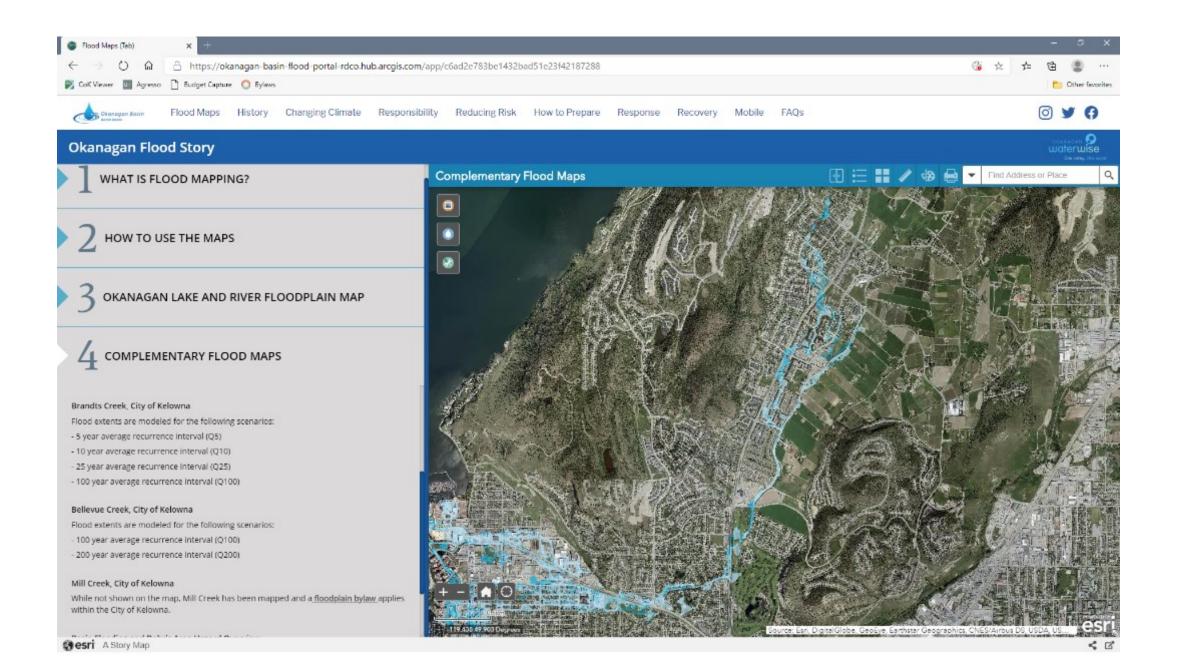


There have always been floods in the Okanagan - a valley born of water and ice. As times change, with different weather and different ways we live on the land, the story of flooding in the Okanagan changes with each generation. It is a story of resilience, regeneration, balance, and community.

After highwater events in 2017 and 2018, the Okanagan Basin Water Board (OBWB) led a valley-wide partnership of local governments and Indigenous

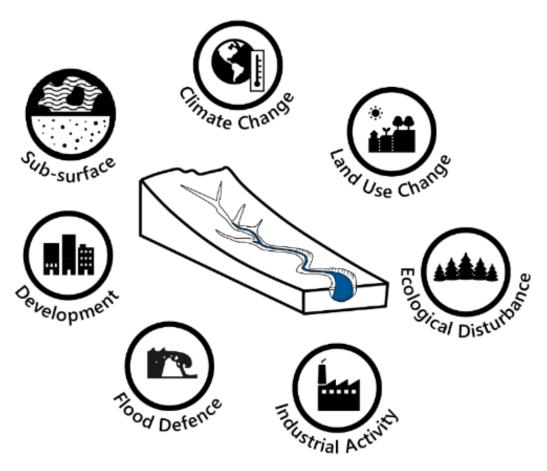
The Okanagan Flood Story Web Portal







Syilx Okanagan Flood and Debris Flow Risk Assessment



From Ebbwater Consulting Inc. (2019): Sylix Okanagan Flood and Debris Flow Risk Assessment. Prepared for and with the Okanagan Nation Alliance. Icons from the Noun Project.





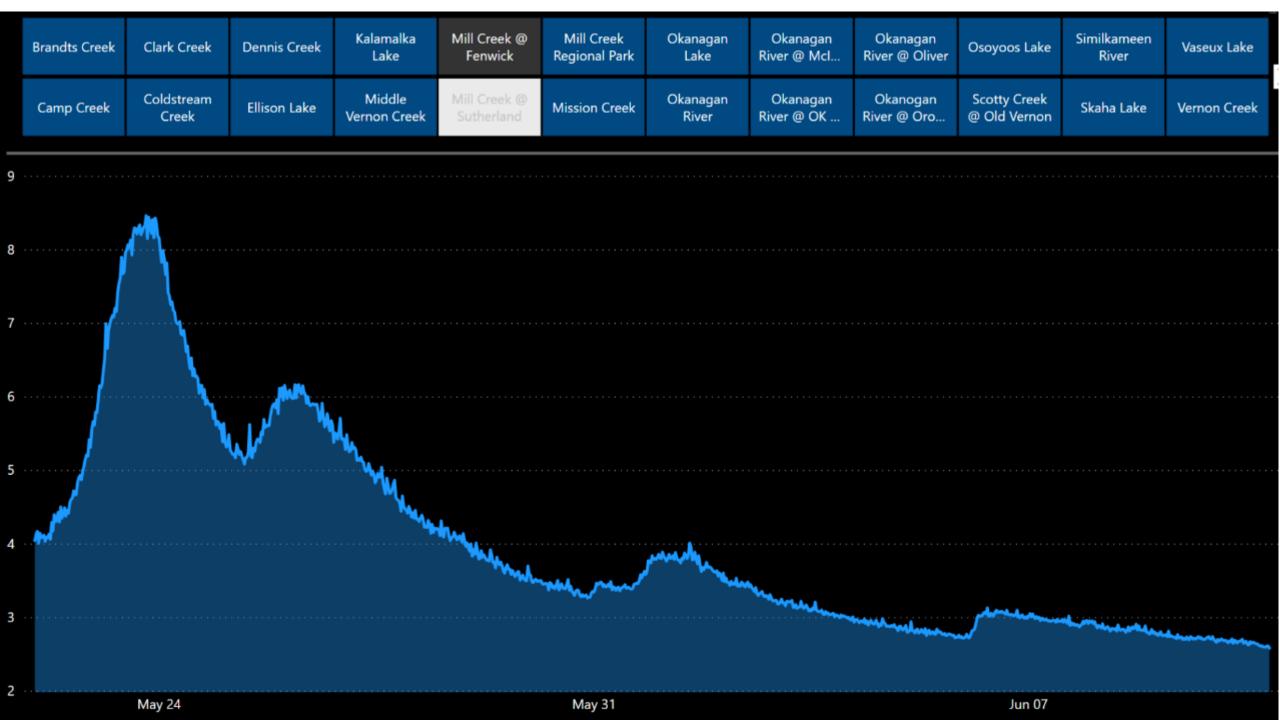




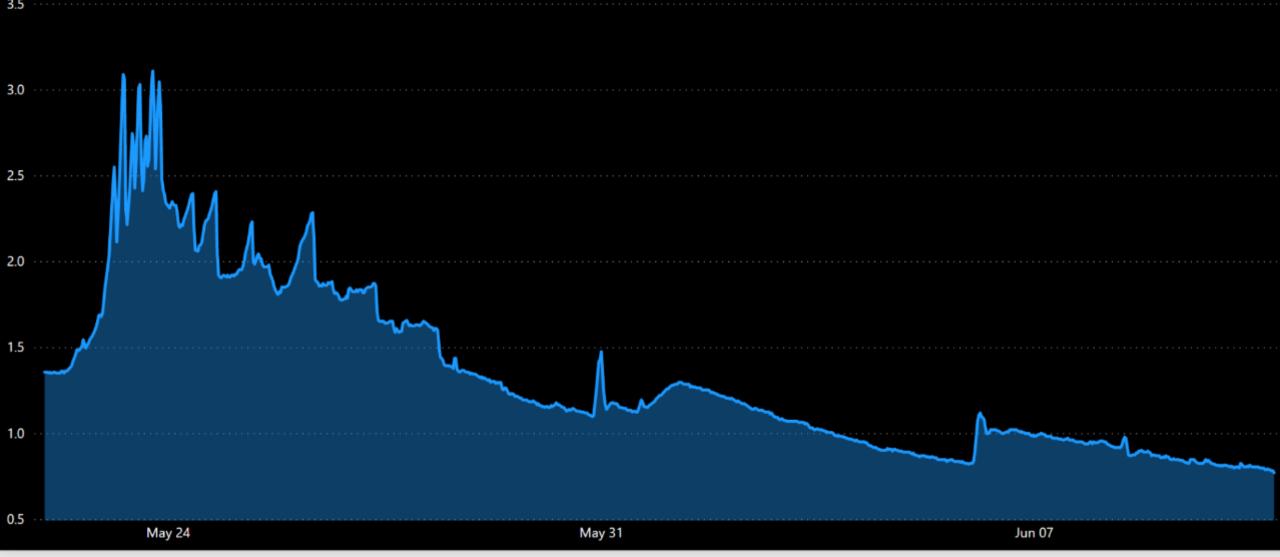
Data Access Portals and Dashboards



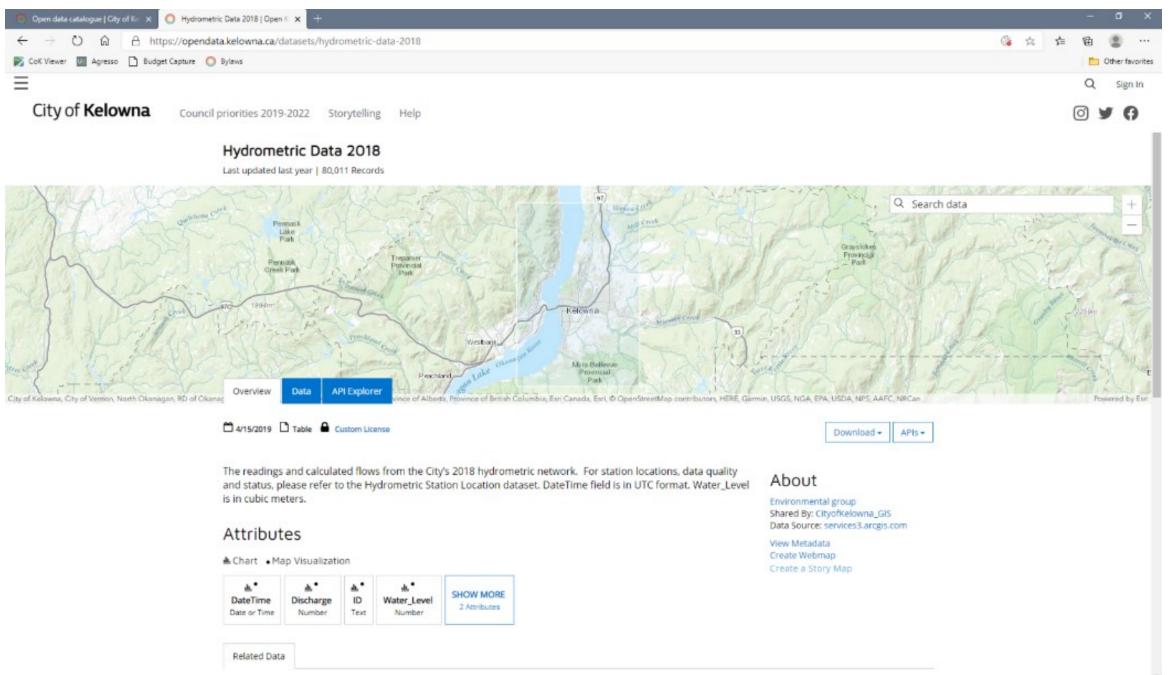
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Brandts Creek	Clark Creek	Dennis Creek	Kalamalka Lake	Mill Creek @ Fenwick	Mill Creek Regional Park	Okanagan Lake	Okanagan River @ Mcl	Okanagan River @ Oliver	Osoyoos Lake	Similkameen River	Vaseux Lake
Camp Creek	Coldstream Creek	Ellison Lake	Middle Vernon Creek	Mill Creek @ Sutherland	Mission Creek	Okanagan River	Okanagan River @ OK	Okanogan River @ Oro	Scotty Creek @ Old Vernon	Skaha Lake	Vernon Creek













Spencer Road Culvert



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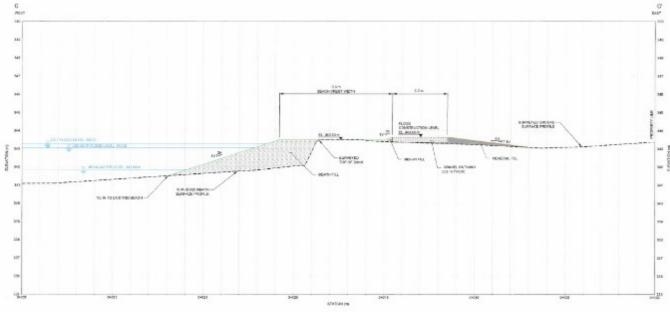




Strathcona Park







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Next Steps

- ▶ Get more information and data out.
- ► Allow space for creeks to flow more naturally.
- ► Focus on Mill Creek project outcomes
- ▶ More measurement



