



The following are some highlights of Fraser Basin Council work in the Fraser Valley this year.

Lower Mainland Flood Management Strategy – LMFMS

- **Online Atlas** – The atlas is complete and will be launched to the public in May 2019.
- **Digital Elevation Model** – A LiDAR survey is complete, and the data will be processed and be made available for integration into the DEM and the flood model in the near future.
- **Flood Modelling and Mapping Tool** – This project is complete. The report, a series of maps, animations and other models that show different outcomes of various river flows and ocean levels, dike breaches and flood mitigation should be available in the coming weeks.
- **Flood Forum** – This event is reset for October 2019. Currently FBC is developing a web platform that will showcase a series of videos on flood hazards and flood risk reduction, flood strategy details and data to Lower Mainland communities about flood risk reduction, and other educational material.
- **Orphan dikes** – The field assessment report for three additional structures in the Chilliwack River valley, quality control and assurance of fieldwork is done. Work continues on hydrology and hydraulics assessment, design and cost estimates for dike upgrades, as well as assessing consequences of orphan dikes failure.
- **Seismic review of orphan dikes** – The RFP for geotechnical investigations of dikes is closed – the next step is to select contractors to start the fieldwork in the spring/summer.
- **Leadership committee** – FBC program staff have met with the committee members from each of the four orders of government and the transportation sector to explore their perspectives on funding and governance arrangements. A meeting of the full Leadership Committee will follow later in the spring.
- **Provincial flood strategy initiative** – The Province of B.C. has retained FBC until 2021 to undertake a series of investigations to inform and support flood strategies across the province.

Cultus Lake Aquatic Stewards (CLASS)

- CLASS provided 10 volunteers to assist FVRD Area H director Taryn Dixon and the Cultus Lake Park goose management committee with a Canada goose count April 6. Total counted were 30 adult birds, surprisingly low. This is the first in a series of counts planned for the year to gather data on geese at Cultus Lake.
- Kathy Ma of the Fraser Valley Invasive Species Society and CLASS hosted an invasive plant workshop on May 11, 2019, drawing 14 people from Columbia Valley, Langley and Cultus Lake. Kathy discussed the costly impact of invasive species, reported on FVISS work on yellow flag iris, wild chervil, Japanese knotweed, and quagga mussel prevention, with reports on Eurasian water milfoil, and small mouth bass (now found in Cultus Lake). She took the group to see work in progress, and to point out invasive plants.
- CLASS was awarded several Clean, Drain and Dry signs from Invasive Species Council of BC to post at area lakes.

Abbotsford Earth Day

Despite a brief interlude with rain and hail, the 2019 Abbotsford Earth Day held April 27 drew about 250 people to visit two dozen booths at Mill Lake Park. The event featured mason bees, rainwater tanks, the use of local plants instead of invasive species, bike tune-ups, and a kids' playground made with every day objects. There were ENGOs highlighting local species and projects, and The Reach's Stoney Creek community map project. Abbotsford had a strong presence with recycling advisors, the Abbotsford-Mission Recycling, and Tourism Abbotsford. Net Zero Waste gave out free compost made from city organic waste. FVRD and Emotive/ Plug-In BC had several electric cars on display, along with their owners and staff, who were kept busy answering questions about e-cars and rebates.

2020 Adaptation Canada Conference in Vancouver

FBC staff members continue to prepare for the Feb 19-21, 2020 conference sponsored by Adaptation Canada 2020 and Natural Resources Canada. Adaptation leaders from diverse sectors will discuss ways to build climate change resilience in communities and ecosystems. The event is of interest all orders of government: FVRD directors who wish conference updates can sign up at www.fraserbasin.bc.ca/AdaptationCanada2020.html

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