

# Long-term Flood Mitigation Options

## OPTION #2

Status quo with enhancements to Barrowtown Pump Station and a new Sumas River pump station.

### Summary

Implementing this option enhances the existing flood mitigation system by adding a new Sumas River pump station. It also includes permanent repairing of the parts of Sumas River Dyke that were temporarily enhanced in November 2021 and upgrading resiliency of Barrowtown Pump Station.

This option would not meet minimum flood protection guidelines in B.C.; however, does provide some enhancement compared to what was in place in November 2021. The level of protection offered by this option for the Sumas Prairie Lake Bottom is approximately between a one in 50-year to a one in 100-year event (with climate change consideration).



#### DYKES

- Permanently repairing parts of Sumas Dyke (make temporary repairs from November 2021 permanent only)



#### PUMP STATIONS

- Upgrade resiliency of Barrowtown Pump Station
- **New** Sumas River pump station



#### UNPROTECTED FLOODPLAIN

- Sumas Prairie West (private mitigation only)



#### COST (ESTIMATIONS)

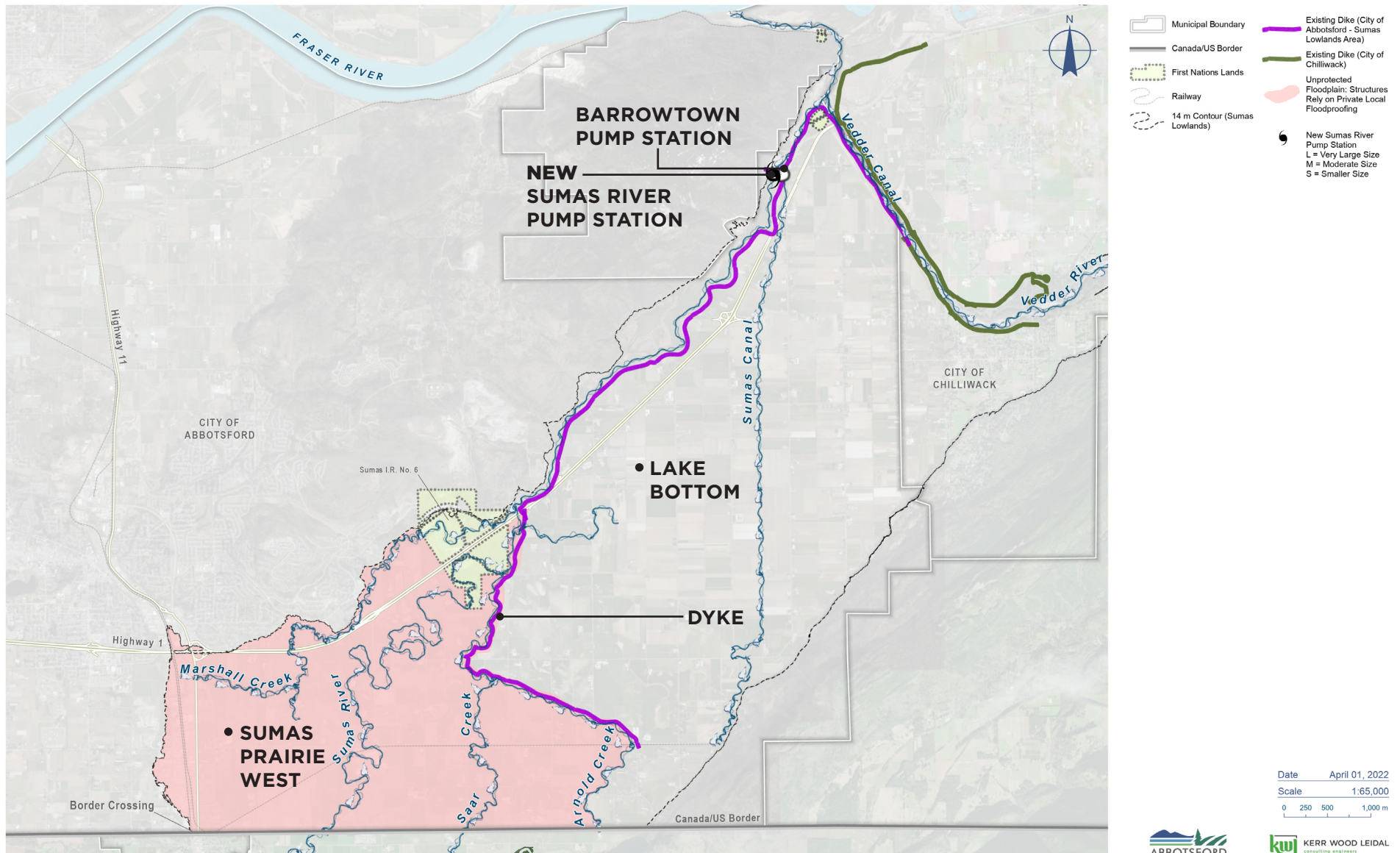
- |                                     |               |
|-------------------------------------|---------------|
| • Nooksack/Sumas Prairie Mitigation | <b>\$800M</b> |
| • Clayburn Village Enhancements     | <b>\$32M</b>  |
| • New Water Source Resiliency       | <b>\$77M</b>  |
| • Matsqui Dyke Resiliency           | <b>\$388M</b> |

**TOTAL ESTIMATED COST:**

**\$1.297B**

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NOTE: all noted borders and locations are approximations and may be adjusted based on future modelling and as plans finalize.