

Long-term Flood Mitigation Options

OPTION #1

Status quo with enhancements to Barrowtown Pump Station.

Summary

This option involves minimal changes to infrastructure by permanently repairing only the parts of Sumas 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. It would not provide an enhanced level of protection. The level of protection offered by the current system is for approximately a one in 35-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



UNPROTECTED FLOODPLAIN

- Sumas Prairie West (private mitigation only)



COST (ESTIMATIONS)

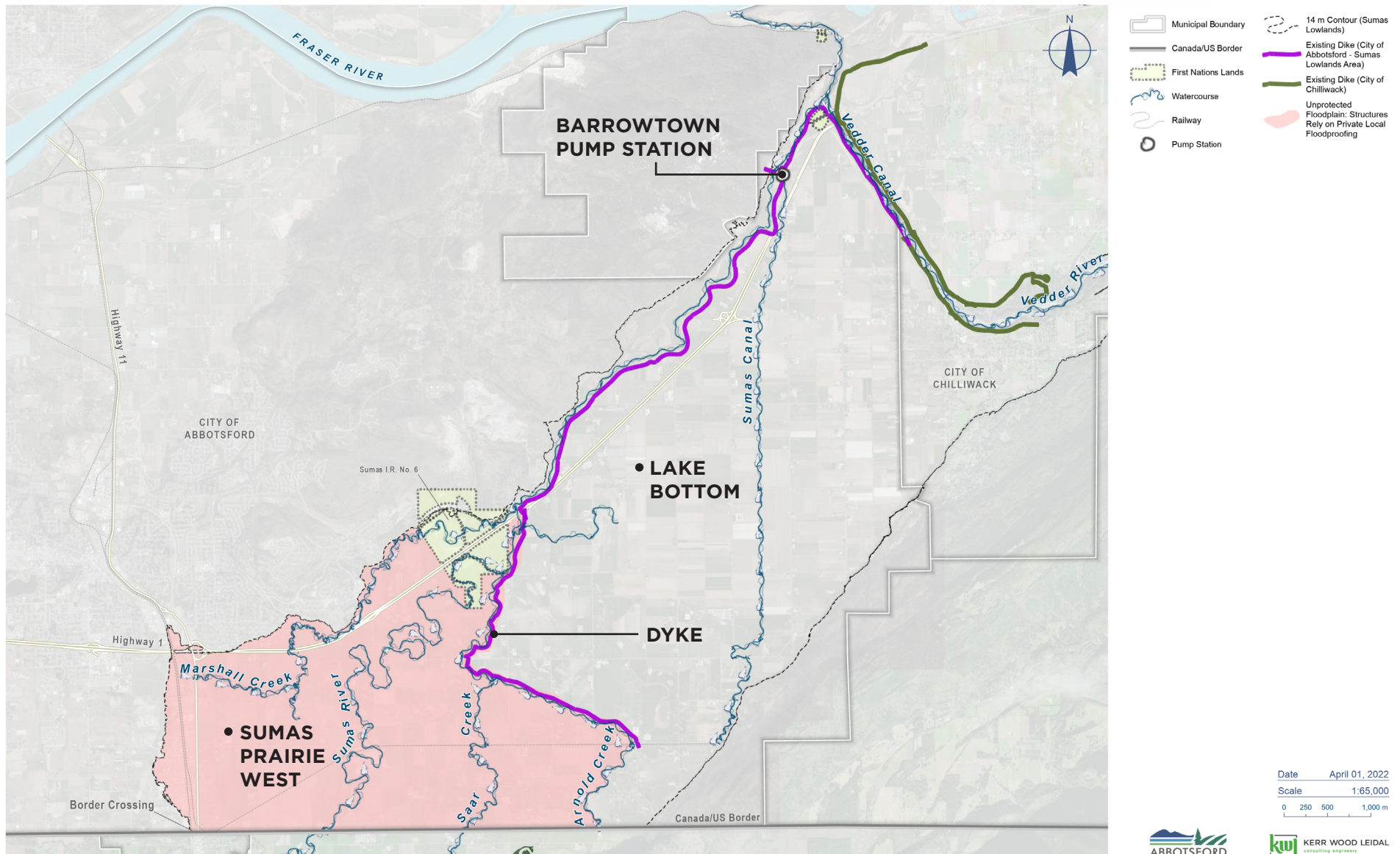
• Nooksack/Sumas Prairie Mitigation	\$100M
• Clayburn Village Enhancements	\$32M
• New Water Source Resiliency	\$77M
• Matsqui Dyke Resiliency	—

TOTAL ESTIMATED COST:

\$209M

Long-term Flood Mitigation Option

Status quo with enhancements to Barrowtown Pump Station.



① **NOTE:** all noted borders and locations are approximations and may be adjusted based on future modelling and as plans **finalize**.