

General Notes:

1. Please refer to the Disclaimer further below.
2. Please review the associated project report before using the floodplain maps: Northwest Hydraulic Consultants Ltd. (NHC), 2021, Park Rill Creek, Horn Creek, and Kearns Creek Flood Mapping Project. Prepared for the Regional District of Okanagan-Similkameen (RDOS).
3. The maps delineate potential flooding caused by a designated flood event, having a 200-year return period event under future end-of-century climate change conditions.
4. The future climate change flows and lake levels represent plausible conditions in the year 2100. However, the actual time frame for the changes is uncertain.
5. The Flood Construction Levels (FCLs) shown on the maps include a freeboard of 0.6 m in the Lower Twin Lake area and 0.3 m in the Willowbrook and Sportsmens Bowl Road areas. The freeboard allowance is included to account for uncertainties in the hydrological data and analysis, geomorphological processes, and local topographic effects.
6. The FCLs shown on Lower Twin Lake include an allowance for wind setup and wave runoff based on co-occurrence of a seasonal 200-year wind event.
7. The flood extent depicted on the maps represents the area of the floodplain lying below the FCL and includes the freeboard allowance of 0.6 m for Lower Twin Lake and 0.3 m for Willowbrook and Sportsmens Bowl Road.
8. All elevations are referenced to Canadian Geodetic Vertical Datum 2013 (CGVD2013).

Use and Limitations of Floodplain Maps:

1. Floodplain maps are an administrative tool that depict the potential flood extent and minimum recommended FCLs for the adopted designated flood. A Qualified Professional must be consulted for a site-specific engineering analysis.
2. The maps depict the flooding conditions at the time of surveys. Future changes to the stream channels and floodplain, and future climate change will render site-specific map information obsolete. The information on the maps should be regularly assessed (5 to 10 year intervals) or after any extreme flood occurrence.
3. The floodplain limits have not been established on the ground by legal survey. The accuracy of the flood boundaries is limited by the Lidar base mapping and orthophotography.
4. The flood maps do not represent flooding from local stormwater runoff, ponding from direct rainfall on the floodplain, groundwater seepage, or local drainage courses. Consequently, additional flooding may occur outside of the designated boundaries.
5. Roads, railways, bridges, dikes, and future developments on the floodplain can restrict water flow and increase local water levels. Obstructions such as debris jams and/or channel sedimentation can also increase flood levels above the levels shown on the maps.
6. The flood maps do not represent hazards due to erosion, deposition, degradation, aggradation, avulsion, or channel migration.
7. Boat wakes were not considered for the design event in the Lower Twin Lake area. There is a risk that vessel wakes could exceed the largest wind-waves on this lake. Boating activity should be curtailed or restricted during high lake levels to avoid property damage.
8. Industry best practices were followed to generate the flood maps. However, actual flood levels and extents may vary from those shown. RDOS and NHC do not assume any liability for such variations.

Data Sources:

1. Floodplain topography is based on Lidar flown for GeoBC between March and November, 2018 and was provided to NHC by RDOS.
2. Channel bathymetry on Park Rill Creek and Kearns Creek is based on surveys by NHC in August 2020.
3. Streams are based on BC Freshwater Atlas, modified by NHC, to follow surveys within inundation areas.

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Park Rill Creek, Horn Creek and Kearns Creek Floodplain Map

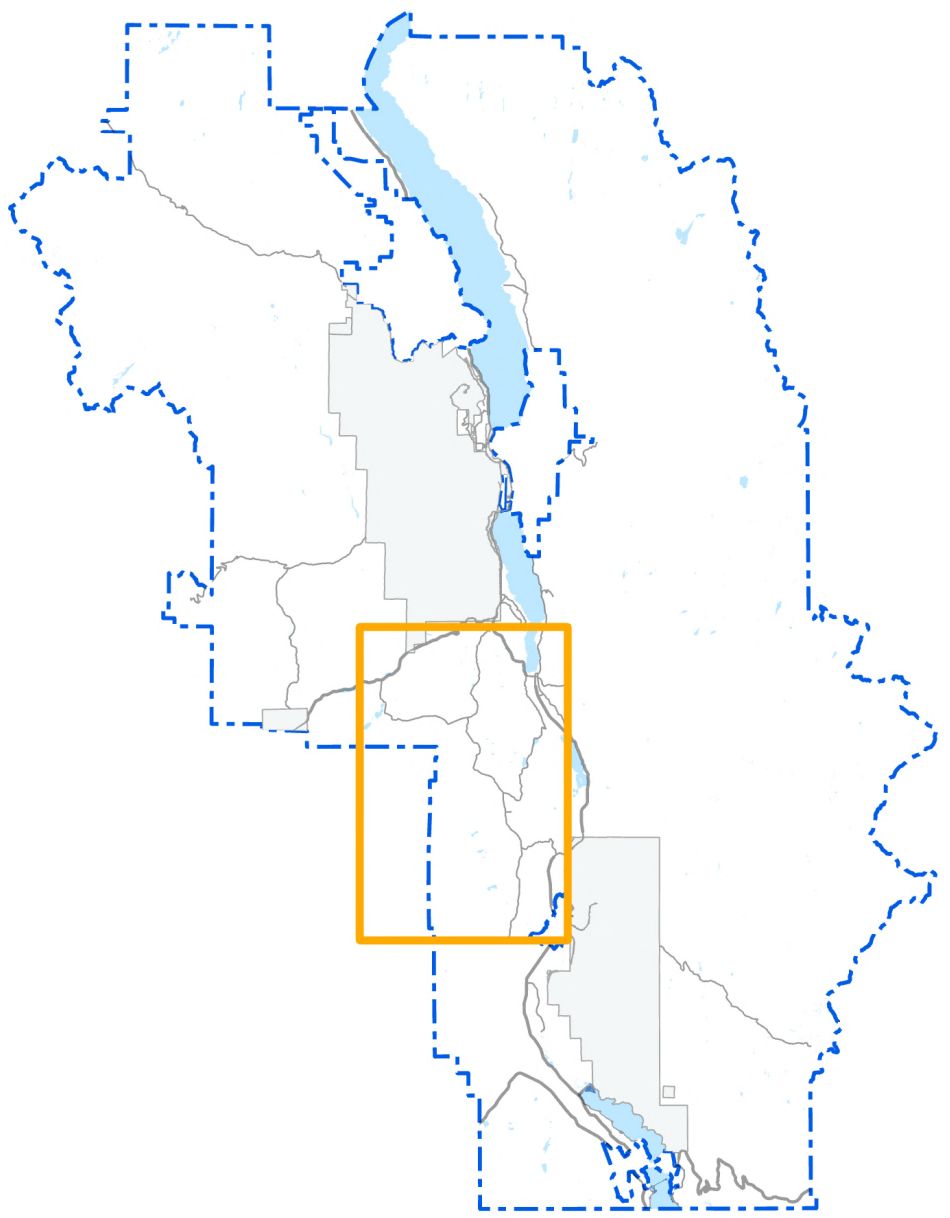
Schedule '3.2' - Okanagan Valley
Zoning Bylaw No. 2800, 2022



This is Schedule 3.2 (Park Rill Creek, Horn Creek and Kearns Creek Floodplain Map) as referenced in the Regional District of Okanagan-Similkameen, Okanagan Valley Zoning Bylaw No. 2800, 2022.

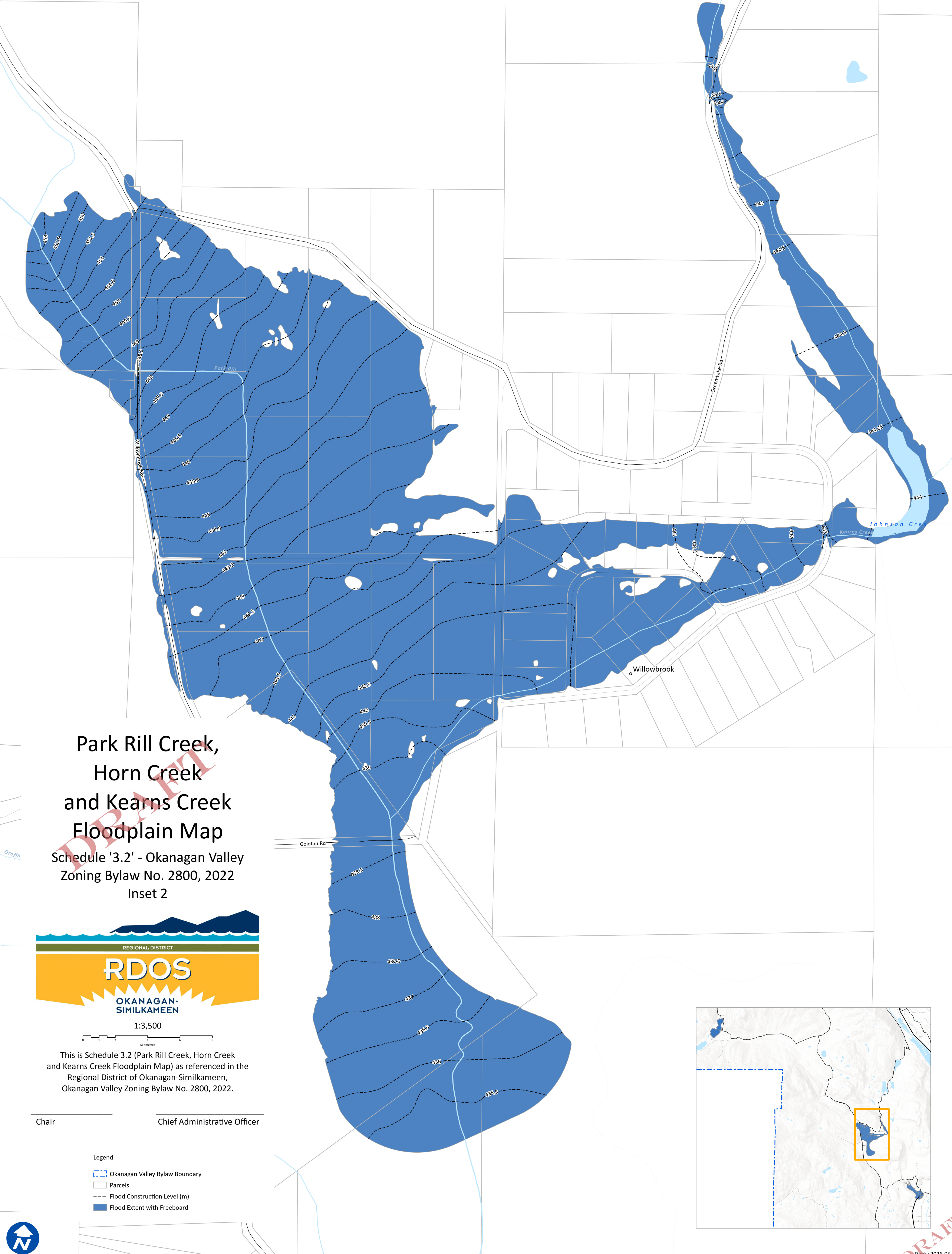
Chair _____ Chief Administrative Officer _____

- Legend**
- Okanagan Valley Bylaw Boundary
 - ▭ Indian Reserve
 - ▭ Parcels
 - Flood Extent with Freeboard



DRAFT
Date: 2026-05-26

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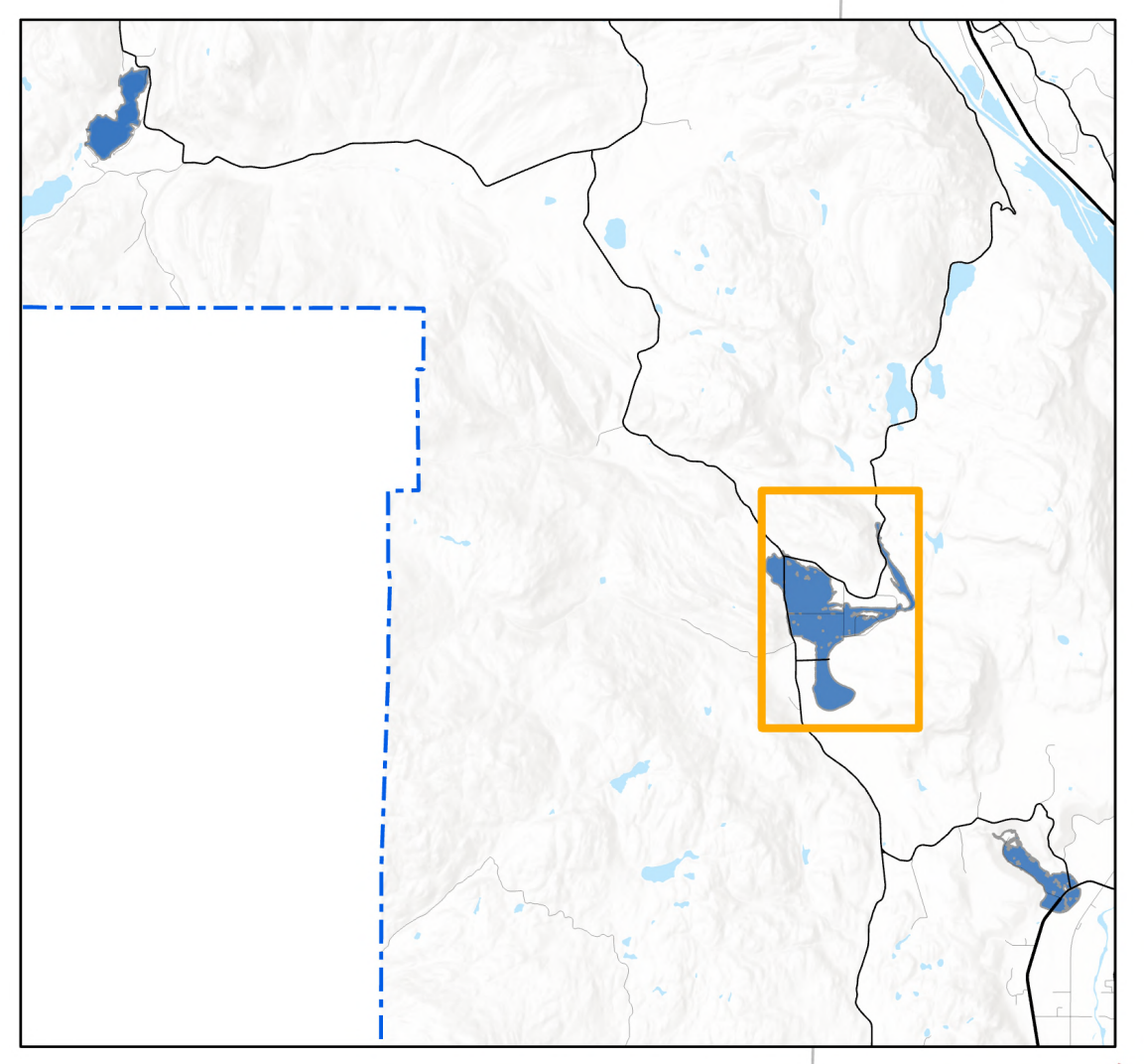
**Park Rill Creek,
 Horn Creek
 and Kearns Creek
 Floodplain Map**
 Schedule '3.2' - Okanagan Valley
 Zoning Bylaw No. 2800, 2022
 Inset 2



This is Schedule 3.2 (Park Rill Creek, Horn Creek and Kearns Creek Floodplain Map) as referenced in the Regional District of Okanagan-Similkameen, Okanagan Valley Zoning Bylaw No. 2800, 2022.

Chair _____ Chief Administrative Officer _____

- Legend**
- Okanagan Valley Bylaw Boundary
 - Parcels
 - Flood Construction Level (m)
 - Flood Extent with Freeboard



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**Park Rill Creek,
 Horn Creek
 and Kearns Creek
 Floodplain Map**
 Schedule '3.2' - Okanagan Valley
 Zoning Bylaw No. 2800, 2022
 Inset 3

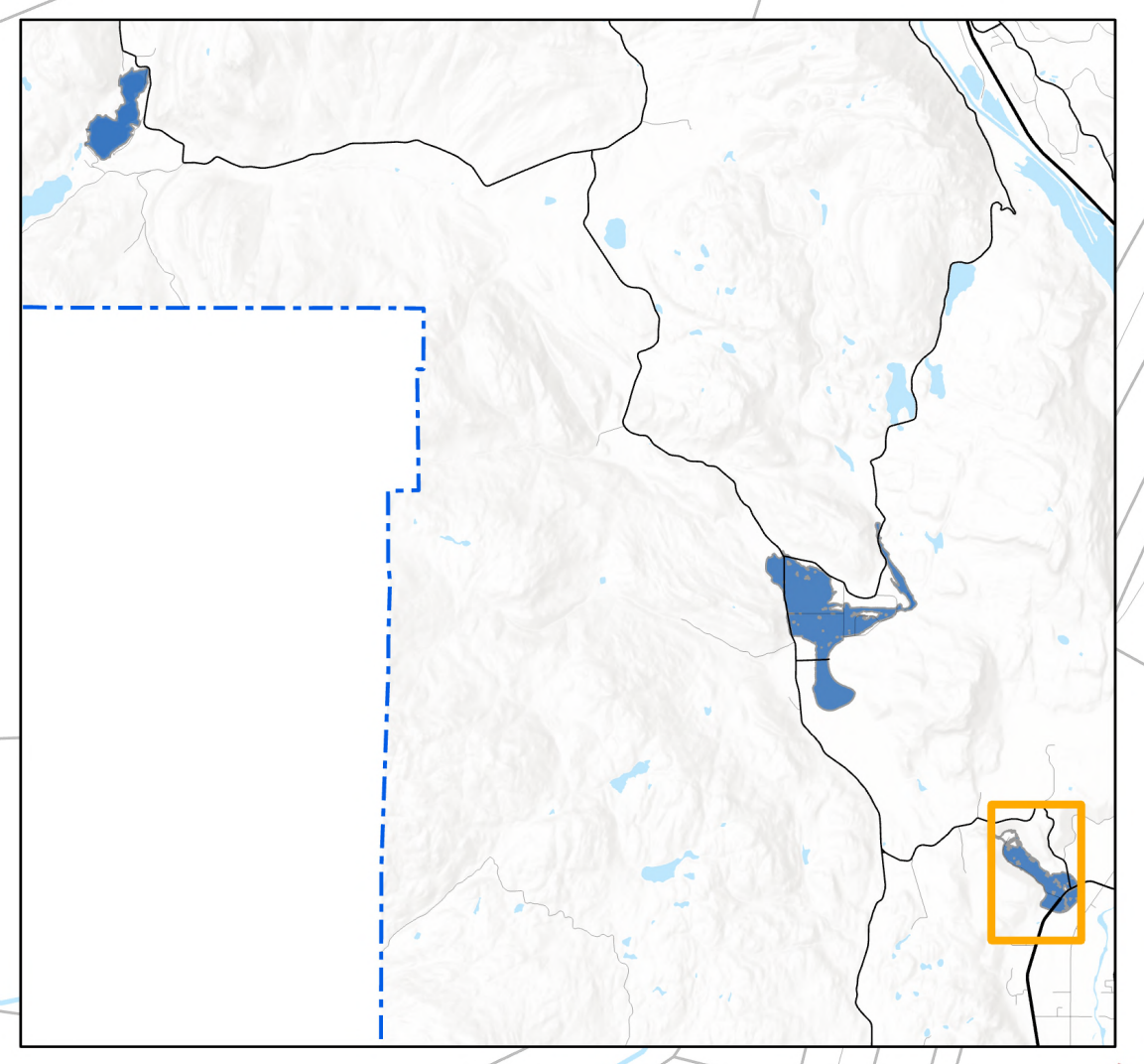


1:2,000
 Kilometers

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