



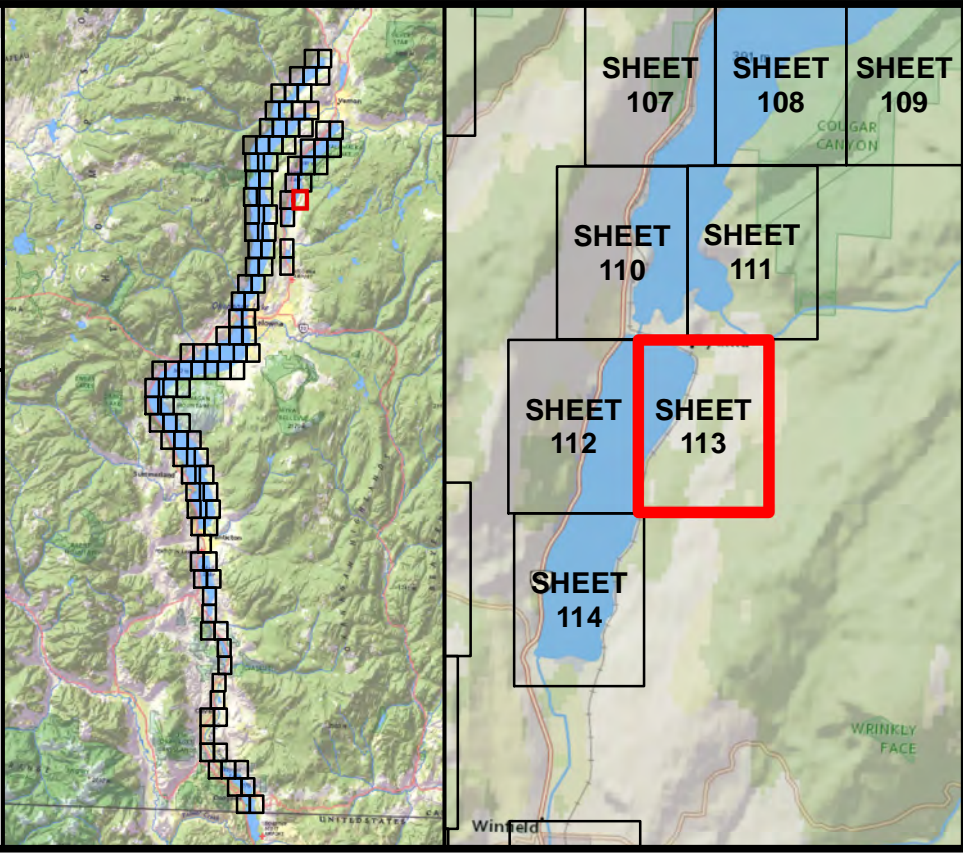



**Okanagan Basin**  
WATER BOARD



**northwest hydraulic consultants**



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




 FLOW DIRECTION

- SPOT ELEVATION  
labelled with elevation in metres (CGVD2013)
- MINOR CONTOUR AT 1 M INTERVAL
- MAJOR CONTOUR AT 5 M OR 20 M INTERVAL  
labelled with elevation in metres (CGVD2013)
- DIKE
- RAILWAY LINE
- FIRST NATION RESERVE BOUNDARY
- MUNICIPAL BOUNDARY
- REGIONAL DISTRICT BOUNDARY
- STUDY LIMIT

REFER TO NOTES ON INDEX MAP

 INUNDATION EXTENT - DESIGN WITH FREEBOARD (FCL)  
 INUNDATION EXTENT - DESIGN WITHOUT FREEBOARD

 FLOOD CONSTRUCTION LEVEL (FCL) RIVER ISOLINE  
Rivers - labelled with FCL in metres CGVD2013 (FCL in CGVD28)  
 FLOOD CONSTRUCTION LEVEL (FCL) LAKE ZONE  
Lake - labelled with FCL in metres CGVD2013 (FCL in CGVD28)  
 FLOOD CONSTRUCTION LEVEL (FCL) SHORELINE ZONE  
Lake - labelled with FCL in metres CGVD2013 (FCL in CGVD28)

DESIGN FLOOD

- OKANAGAN RIVER REACHES: 200-YEAR MID-CENTURY<sup>a</sup>
- OKANAGAN LAKE: 2017 MID-CENTURY<sup>b</sup>
- WOOD AND KALAMAILA LAKES: 2017 MID-CENTURY<sup>b</sup>
- ELLISON LAKE: 200-YEAR MID-CENTURY
- SKAHA LAKE: 200-YEAR MID-CENTURY
- VASELUX LAKE: 200-YEAR MID-CENTURY
- OSOYOOS LAKE: 200-YEAR MID-CENTURY
- FREEBOARD = 0.6 METRES

<sup>a</sup>Footnote:  
<sup>a</sup> "Mid-century" refers to an increase for climate change, projected to occur in 2055.  
<sup>b</sup> The 2017 flood is the flood-of-record at Okanagan, Wood, and Kalamaila lakes, and is used as the design flood at these locations because it is larger than a 200-year event.

**OKANAGAN MAINSTEM  
FLOOD MAPPING  
FLOODPLAIN MAPS**

**SHEET 113 OF 116**

SCALE - 1:5,000

0 100 200 300 M

N

Coordinate System: NAD 1983 CSRS UTM ZONE 11N  
Units: METRES; Vertical Datum: CGVD2013  
FCL values in both CGVD2013 and CGVD28 HTV2.0

|                                 |  |  |
|---------------------------------|--|--|
| Engineer<br>VCCB                | GIS<br>MSN/MAO/SWM                       | Reviewer<br>DPM (rivers)/GFL (lakes)/PKK |
| Job Number<br>3004430 & 3006034 | Date<br>30-APR-2020,<br>rev. 29-JAN-2021 |  |