



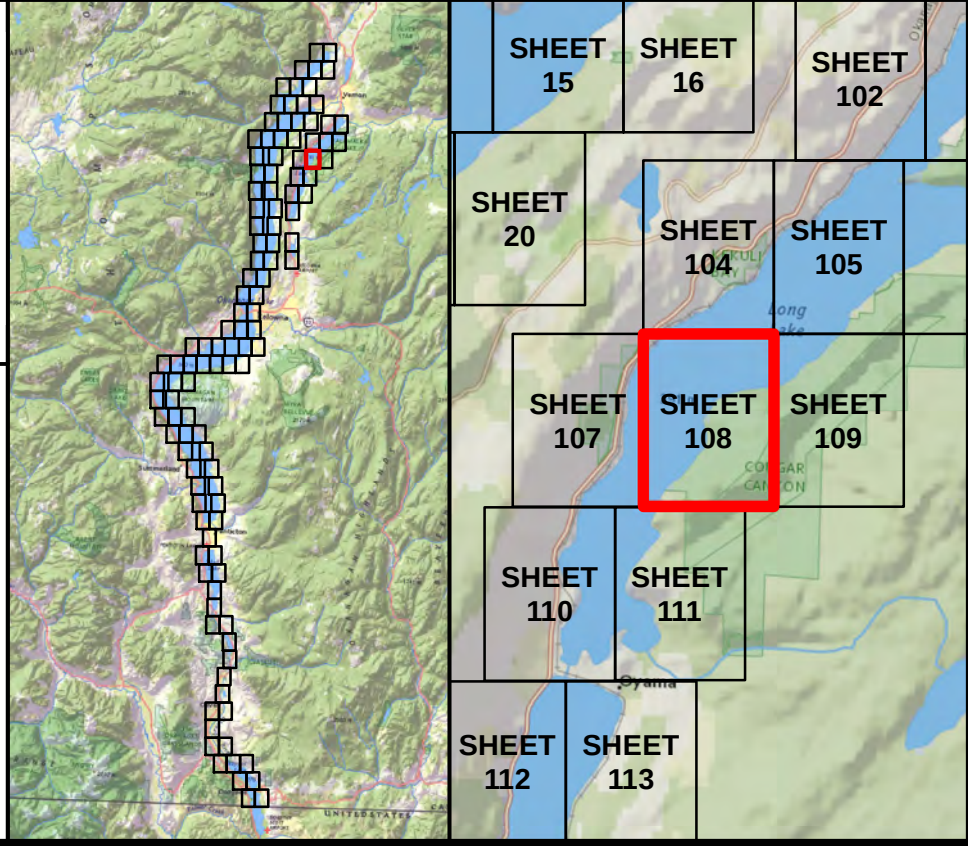


Okanagan Basin  
WATER BOARD



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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
- 123.4  
(123.1) FLOOD CONSTRUCTION LEVEL (FCL) RIVER ISOLINE  
Rivers - labelled with FCL in metres CGVD2013 (FCL in CGVD28)
- 123.4  
(123.4) FLOOD CONSTRUCTION LEVEL (FCL) LAKE ZONE  
Lake - labelled with FCL in metres CGVD2013 (FCL in CGVD28)
- 123.4  
(123.4) 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 KALAMALKA 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
- 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 Kalamalka 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 108 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 |                                          |