



**Okanagan Basin**  
WATER BOARD

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**SHEET 80 OF 116**

**OKANAGAN MAINSTEM FLOOD MAPPING FLOODPLAIN MAPS**

SCALE - 1:5,000

0 100 200 300 M

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

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

**LEGEND**

➡ 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

▭ 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 (123.1) FLOOD CONSTRUCTION LEVEL (FCL) LAKE ZONE  
Lake - labelled with FCL in metres CGVD2013 (FCL in CGVD28)

123.4 (123.1) 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 KALAMAILKA 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
- OSHOYOOS LAKE: 200-YEAR MID-CENTURY
- FREEBOARD = 0.6 METRES

<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 Kalamailka lakes, and is used as the design flood at these locations because it is larger than a 200-year event.

REFER TO NOTES ON INDEX MAP