



**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 KALAMAILKA LAKES: 2017 MID-CENTURY<sup>b</sup>
- ELLISON LAKE: 200-YEAR MID-CENTURY
- SKAHA LAKE: 200-YEAR MID-CENTURY
- VASEUX 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 Kalamailka 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**

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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 VCCB	GIS MSN/MAO/SWM	Reviewer DPM (rivers)/GFL (lakes)/PKK
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