



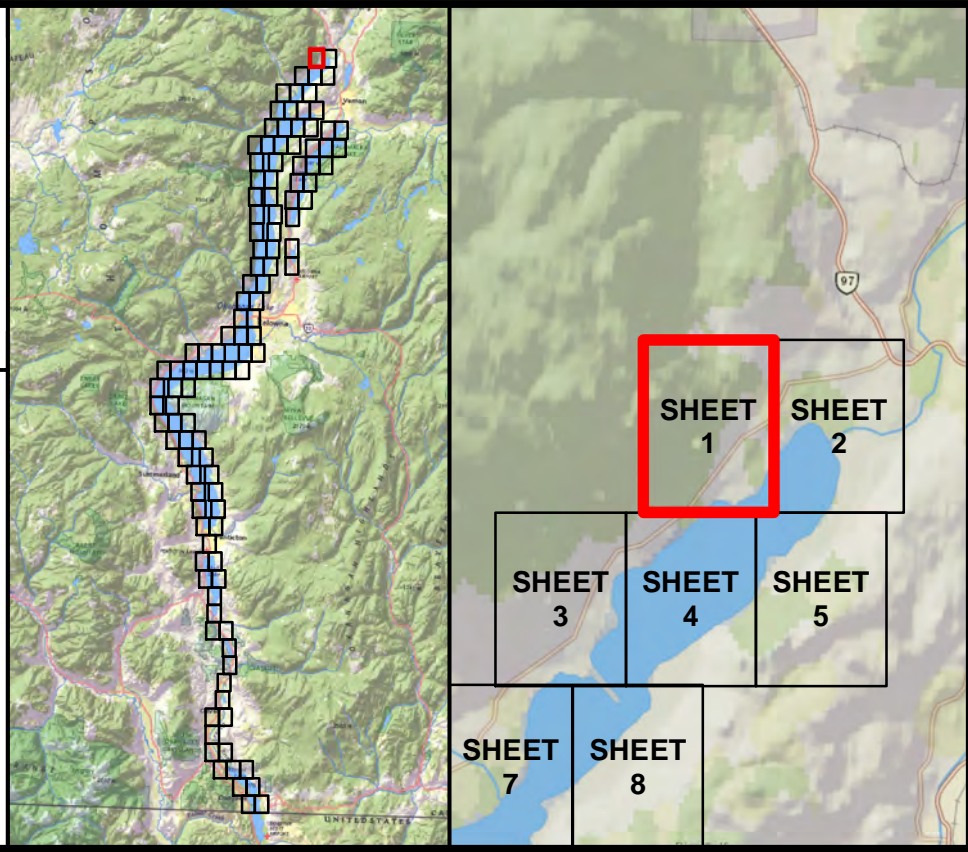


Okanagan Basin
WATER BOARD



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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)

123.4
(123.4)

123.4
(123.4)

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^a
- OKANAGAN LAKE: 2017 MID-CENTURY^b
- WOOD AND KALAMAILKA LAKES: 2017 MID-CENTURY^b
- ELLISON LAKE: 200-YEAR MID-CENTURY
- SKAHA LAKE: 200-YEAR MID-CENTURY
- VASELUX LAKE: 200-YEAR MID-CENTURY
- OSVOYOS LAKE: 200-YEAR MID-CENTURY

FREEBOARD = 0.6 METRES

^aFootnote:

^a "Mid-century" refers to an increase for climate change, projected to occur in 2055.

^b 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

SHEET 1 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
VCCB

GIS
MSN/MAO/SWM

Reviewer
DPM (rivers)/GFL (lakes)/PKK

Job Number
3004430 & 3006034

Date
30-APR-2020,
rev. 29-JAN-2021

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