



Okanagan Basin
WATER BOARD

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SHEET 1

SHEET 2

SHEET 3

SHEET 4

SHEET 5

SHEET 7

SHEET 8

SHEET 11

SHEET 12

➡ 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^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

• OSOYOOS LAKE: 200-YEAR MID-CENTURY

FREEBOARD = 0.6 METRES

Footnote:

^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 4 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,
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