Vernon Creek

LAKE COUNTRY

KELOWNA

HWY 97

KPR

DUCK LAKE 7

Ellison Lake

427.9
(427.6)

428.9
(428.6)

Okanagan Basin
WATER BOARD

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SHEET 28
SHEET 114
SHEET 30
SHEET 32
SHEET 115
SHEET 34
SHEET 116

- 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 KALAMALKA LAKES: 2017 MID-CENTURY [b]
- 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:
[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 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 115 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	GIS	Reviewer
VCCB	MSN/MAO/SWM	DPM (rivers)/GFL (lakes)/PKK

Job Number	Date
3004430 & 3006034	30-APR-2020, rev. 29-JAN-2021

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