PENTICTON 1

REGIONAL DISTRICT OF OKANAGAN-SIMILKAMEEN

Okanagan Lake

HWY 97

347.3

344.6

344.6

346.1

344.4

344.2

343.8

343.4

343.0

342.8

342.7

342.6

342.5

342.4

342.3

342.2

346.1

344.6

RIVER / LAKE MODEL BOUNDARY

PENTICTON

Okanagan River

SHEET 71
SHEET 72
SHEET 73
SHEET 74
SHEET 75
SHEET 76
SHEET 77
SHEET 78
SHEET 79

- FLOW DIRECTION
- SPOT ELEVATION *labelled with elevation in metres*
- MINOR CONTOUR AT 1 M INTERVAL
- MAJOR CONTOUR AT 5 M OR 20 M INTERVAL *labelled with elevation in metres*
- 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 FLOOD CONSTRUCTION LEVEL (FCL) RIVER ISOLINE *Rivers - labelled with FCL in metres*
- 123.4 FLOOD CONSTRUCTION LEVEL (FCL) LAKE ZONE *Lake - labelled with FCL in metres*
- 123.4 FLOOD CONSTRUCTION LEVEL (FCL) SHORELINE ZONE *Lake - labelled with FCL in metres*

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 Basin WATER BOARD

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# OKANAGAN MAINSTEM FLOOD MAPPING

## FLOODPLAIN MAPS

SHEET 75 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

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

| Job Number | Date |
|---|---|
| 3004430 | 30-APR-2020 |

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