341.5
(341.3)

340.6
(340.4)

340.6
(340.4)

341.5
(341.3)

341.8
(341.6)

340.6
(340.4)

340.6
(340.4)

341.8
(341.6)

341.8
(341.6)

Skaha Lake

Matheson Creek

McLean Creek

Marron River

REGIONAL DISTRICT OF
OKANAGAN-SIMILKAMEEN

Okanagan Basin
WATER BOARD


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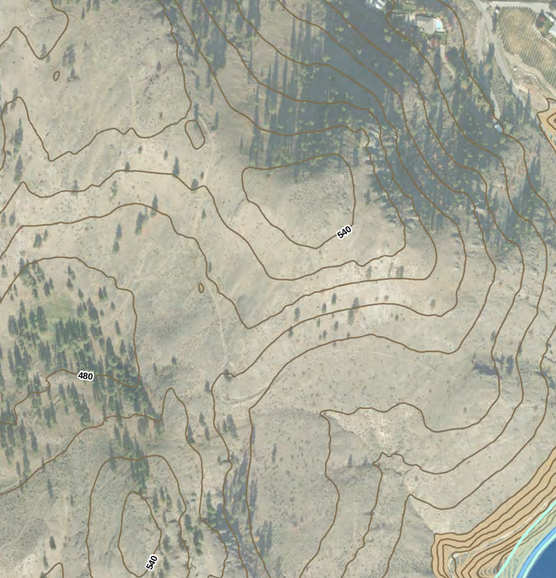


- FLOW DIRECTION
- SPOT ELEVATION
  *labelled with elevation in metres (CGVD2013)*
- MINOR CONTOUR AT 1 M INTERVAL
- MAJOR CONTOUR AT 5 M OR 20 M INTERVAL
  *labelled with elevation in metres (CGVD2013)*
- DIKE
- RAILWAY LINE
- FIRST NATION RESERVE BOUNDARY
- MUNICIPAL BOUNDARY
- REGIONAL DISTRICT BOUNDARY
- 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[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 82 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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