REGIONAL DISTRICT OF CENTRAL OKANAGAN

PEACHLAND

HWY 97

Trepanier Creek

Law Creek

Okanagan Lake

347.3
(347.0)

344.6
(344.3)

Okanagan Basin WATER BOARD

nhc
northwest hydraulic consultants
30 Gostick Place
North Vancouver, B.C. V7M 3G3
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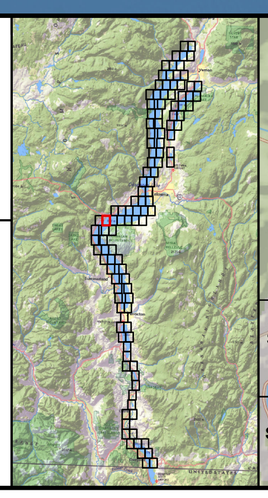

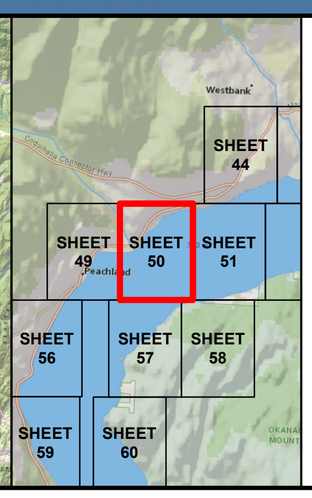


- FLOW DIRECTION
- SPOT ELEVATION *labelled with elevation in metres (CGVD2013)*
- MINOR CONTOUR AT 1 M INTERVAL
- MAJOR CONTOUR AT 5 M OR 20 M INTERVAL *labelled with elevation in metres (CGVD2013)*
- DIKE
- RAILWAY LINE
- FIRST NATION RESERVE BOUNDARY
- MUNICIPAL BOUNDARY
- REGIONAL DISTRICT BOUNDARY
- 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 50 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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