
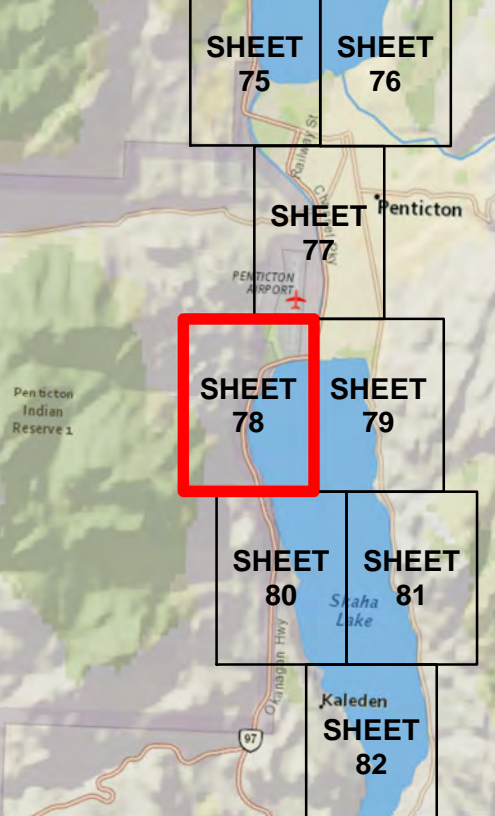
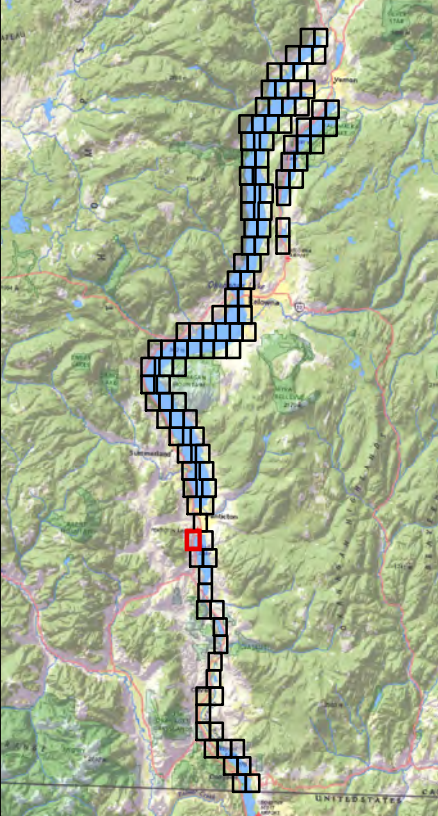
  
**Okanagan Basin**  
WATER BOARD

  
**nhc**  
northwest hydraulic consultants  
30 Gostick Place  
North Vancouver, B.C. V7M 3G3  
Canada  
Office: 604.980.6011  
Fax: 604.980.9264  
www.nhcweb.com



➡ 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<sup>a</sup>
- OKANAGAN LAKE: 2017 MID-CENTURY<sup>b</sup>
- WOOD AND KALAMAILKA LAKES: 2017 MID-CENTURY<sup>b</sup>
- 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

<sup>a</sup>Footnote:  
<sup>a</sup> "Mid-century" refers to an increase for climate change, projected to occur in 2055.  
<sup>b</sup> 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 78 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	