
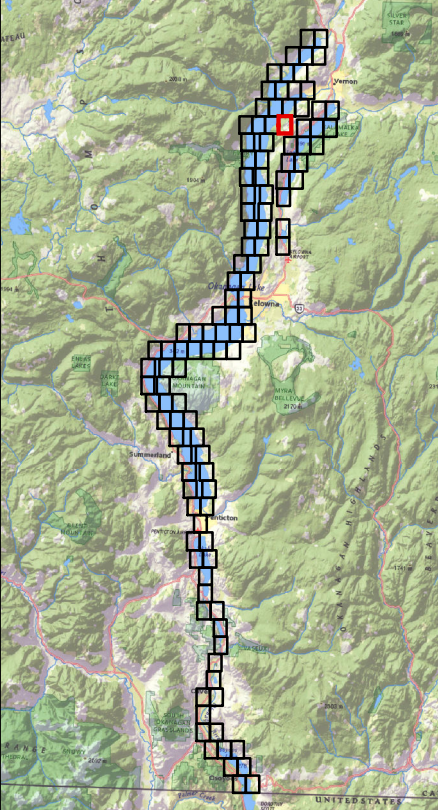
  
30 Gostick Place  
North Vancouver, B.C. V7M 3G3  
Canada  
Office: 604.980.6011  
Fax: 604.980.9264  
www.nhweb.com

  
northwest hydraulic consultants



SHEET 9	SHEET 10	SHEET 11
SHEET 13	SHEET 14	SHEET 15
SHEET 19	<b>SHEET 20</b>	SHEET 104
SHEET 22	SHEET 107	SHEET 108
SHEET 110	SHEET 111	

➡ 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 KALAMAILAK 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 Kalamailak 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 20 OF 116**

SCALE - 1:5,000

0 100 200 300 M

Coordinate System: NAD 1983 CSRS UTM ZONE 11N  
Units: METRES; Vertical Datum: CGVD2013  
FCL values in both CGVD2013 and CGVD28 HTV2.0

Engineer VCCB	GIS MSN/MAO/SWM	Reviewer DPM (rivers)/GFL (lakes)/PKK
Job Number 3004430 & 3006034	Date 30-APR-2020, rev. 29-JAN-2021	