

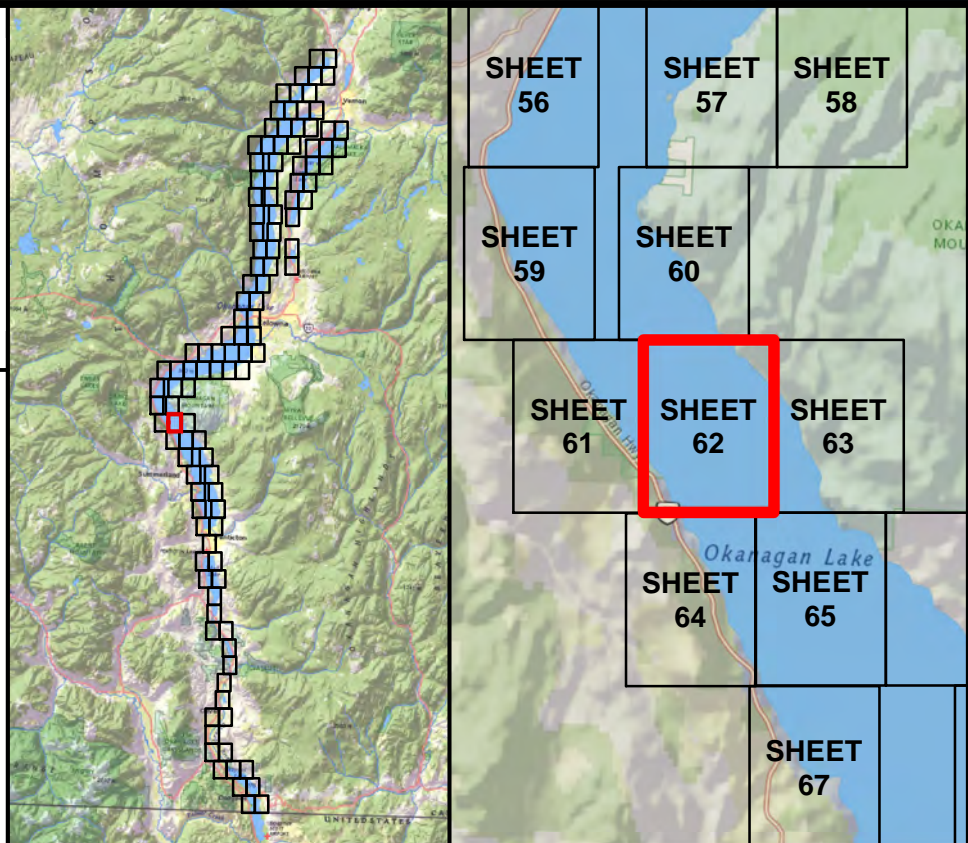


Okanagan Basin  
WATER BOARD



northwest hydraulic consultants

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

123.4  
(123.4)

123.4  
(123.4)

FLOOD CONSTRUCTION LEVEL (FCL) RIVER ISOLINE  
Rivers - labelled with FCL in metres CGVD2013 (FCL in CGVD28)

FLOOD CONSTRUCTION LEVEL (FCL) LAKE ZONE  
Lake - labelled with FCL in metres CGVD2013 (FCL in CGVD28)

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 KALAMALKA 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

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 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 62 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  
VCCB

GIS  
MSN/MAO/SWM

Reviewer  
DPM (rivers)/GFL (lakes)/PKK

Job Number  
3004430 & 3006034

Date  
30-APR-2020,  
rev. 29-JAN-2021