



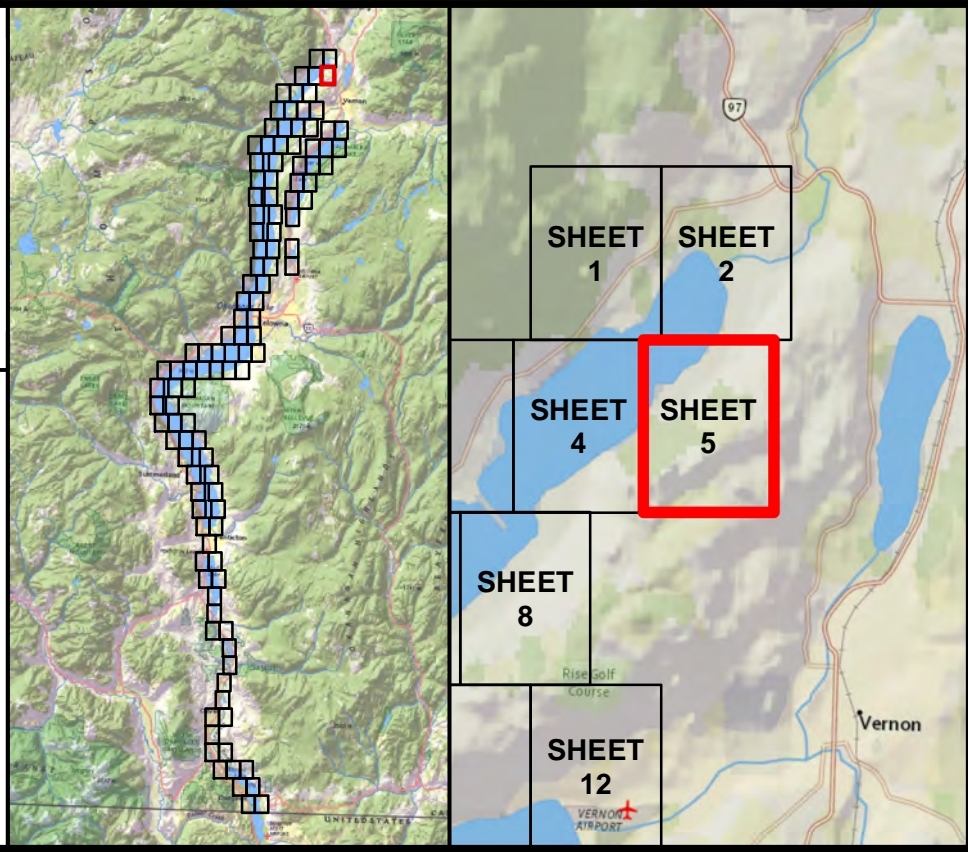












**Okanagan Basin**  
WATER BOARD








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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<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
  - OSVOYOS 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 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 5 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  
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