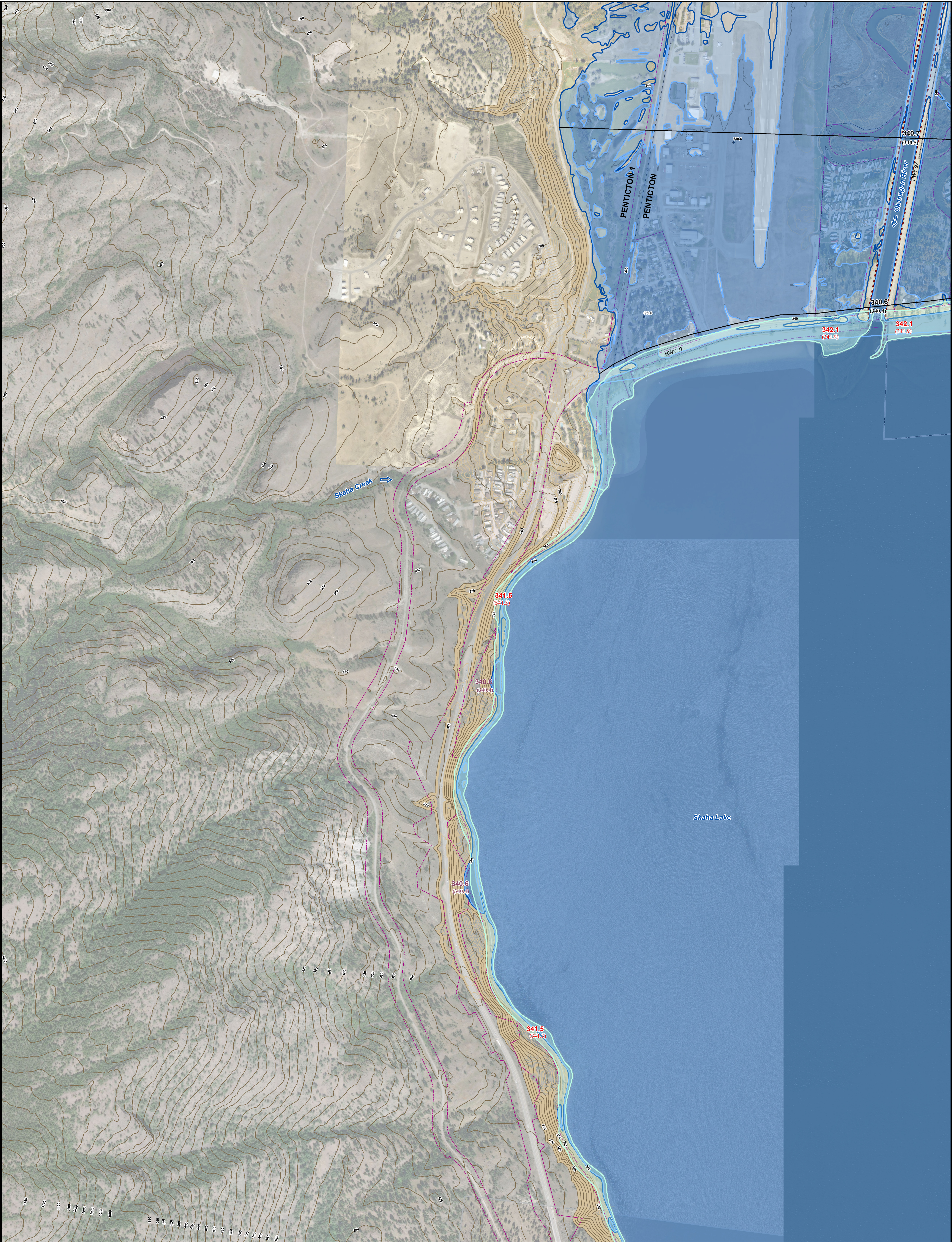


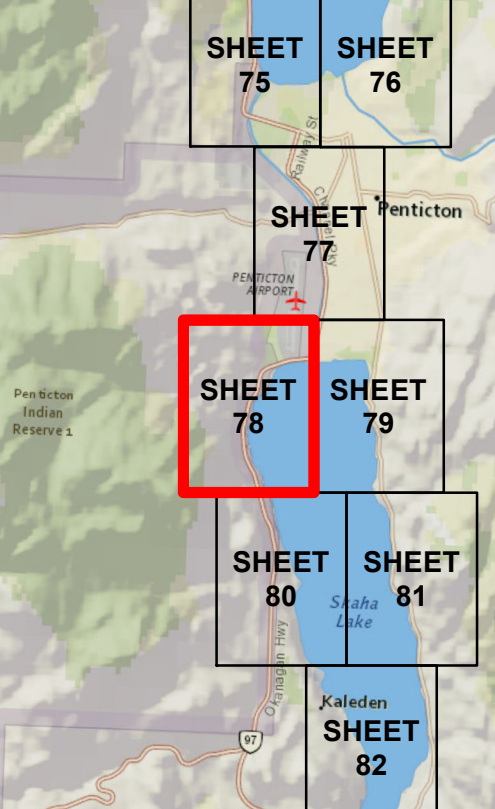
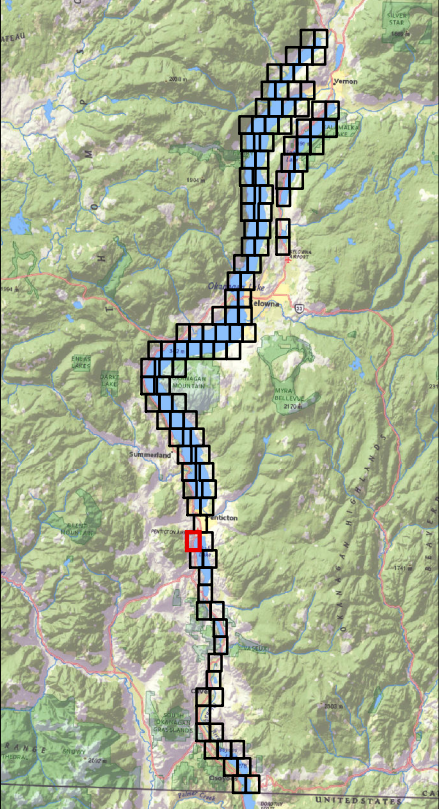




**Okanagan Basin**  
WATER BOARD



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**SHEET 75** **SHEET 76**  
**SHEET 77** **SHEET 78** **SHEET 79**  
**SHEET 80** **SHEET 81** **SHEET 82**

**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
- OSHOYOOS 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 78 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**

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

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