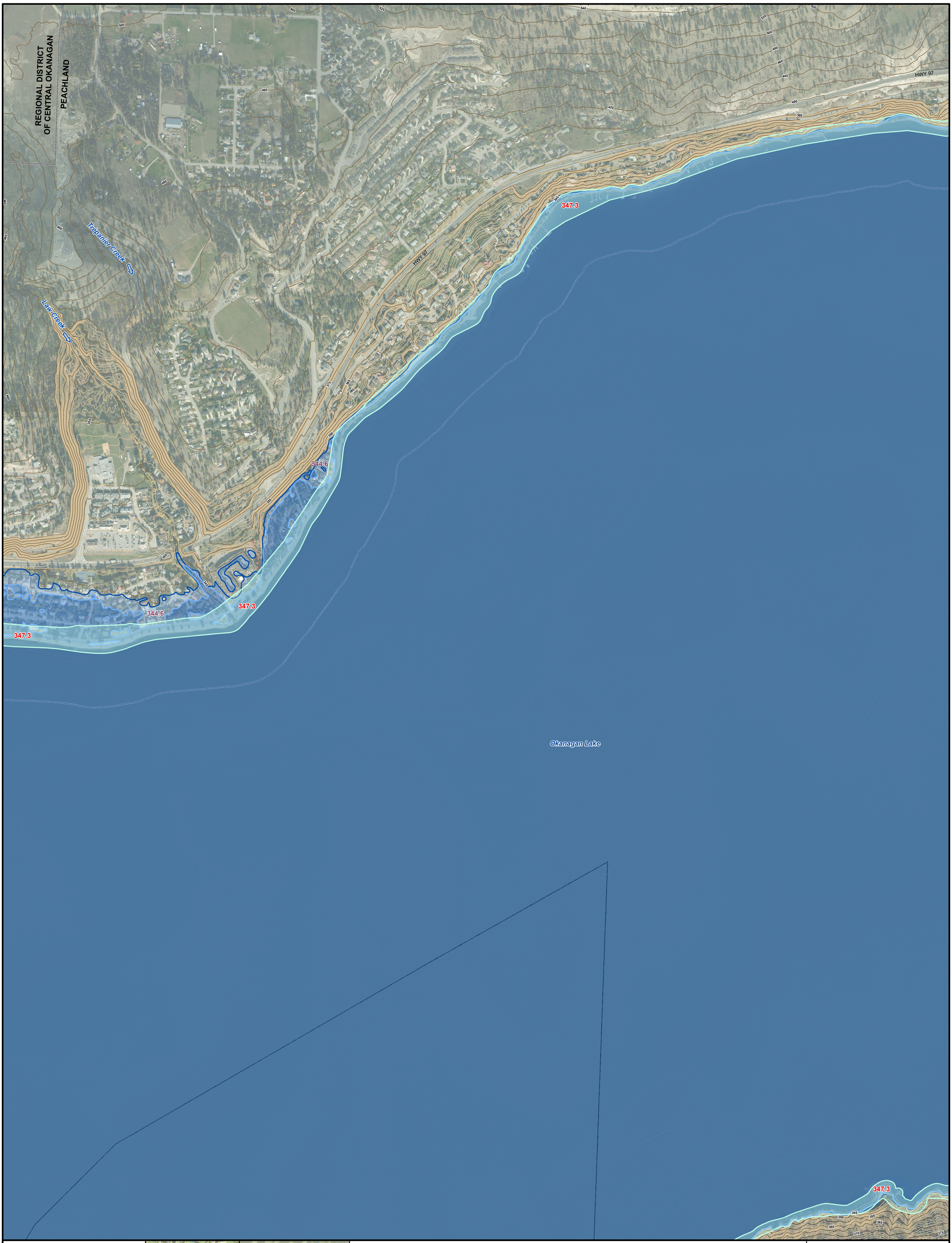
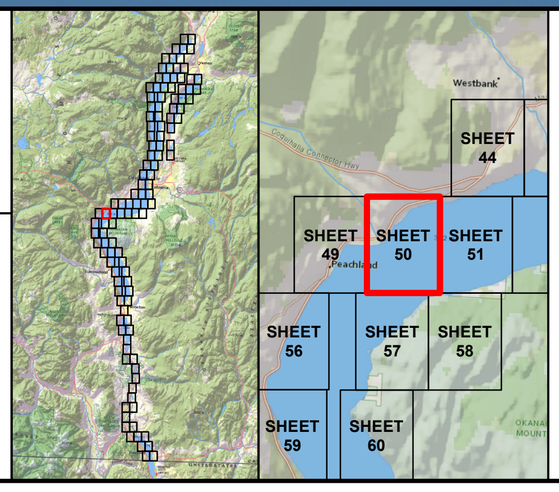


Okanagan Basin
WATER BOARD

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*
- MINOR CONTOUR AT 1 M INTERVAL
- MAJOR CONTOUR AT 5 M OR 20 M INTERVAL *labelled with elevation in metres*
- 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 FLOOD CONSTRUCTION LEVEL (FCL) RIVER ISOLINE *Rivers - labelled with FCL in metres*
- 123.4 FLOOD CONSTRUCTION LEVEL (FCL) LAKE ZONE *Lake - labelled with FCL in metres*
- 123.4 FLOOD CONSTRUCTION LEVEL (FCL) SHORELINE ZONE *Lake - labelled with FCL in metres*

DESIGN FLOOD
- OKANAGAN RIVER REACHES: 200-YEAR MID-CENTURY[a]
- OKANAGAN LAKE: 2017 MID-CENTURY [b]
- WOOD AND KALAMALKA LAKES: 2017 MID-CENTURY [b]
- ELLISON LAKE: 200-YEAR MID-CENTURY
- SKAHA LAKE: 200-YEAR MID-CENTURY
- VASEUX LAKE: 200-YEAR MID-CENTURY
- OSOYOOS LAKE: 200-YEAR MID-CENTURY

FREEBOARD = 0.6 METRES

Footnote:
[a] "Mid-century" refers to an increase for climate change, projected to occur in 2055.
[b] 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 50 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

Engineer	GIS	Reviewer
VCCB	MSN/MAO/SWM	DPM (rivers)/GFL (lakes)/PKK

Job Number	Date
3004430	30-APR-2020