REGIONAL DISTRICT
OF CENTRAL OKANAGAN

344.6

347.3

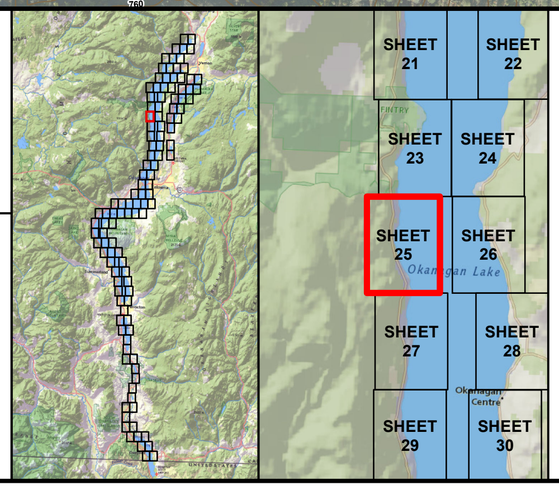
347.3

Quilpituk Creek

Okanagan Lake

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 25 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