





## **City of Courtenay Flood Risk Assessment Consequence Map**

Present-day - Likely Event Culture & Recreation



2. The culture layers are associated with the likely event, present-day scenario and are shown on top of this layer. Please refer to the Flood Risk Assessment Appendix (Ebbwater, 2023) for definitions of terms, and details on datasets

3. Culture indicator layers include educational facilities (childcare, schools, post-secondary education buildings), related agricultural facilities, municipal buildings, recreational facilities such as cinemas, park buildings, aquatic centres, and youth centres, civic facilities such as museums, and community halls, religious centres, trails and greenways, and archaeological and heritage sites (including publicly documented Indigenous archaeological and raditional use sites and trails). Locations of archaeological sites are not included on the map, as it is sensitive information that cannot be distributed publicly. Parks and riverine areas were removed from the dataset to avoid

day (nominally 2020) conditions (i.e., climate change beyond present-day conditions is not included in this scenario). A likely event has a 5% Annual Exceedance Probability (AEP).

Inset map shows an indicative area. It is not meant to necessarily show areas of higher or lesser importance. 6. Depth classifications are based on Flood Hazard Mapping Guidelines for British Columbia (Ebbwater, 2022). 7. This map is intended to support an understanding of risk. IT SHOULD NOT BE RELIED ON FOR ENGINEERING DESIGN

1. The flood hazard extents were received from CVRD on 28 May 2021 (KWL, 2021).

2. Trails, greenways, building footprints, parcel layer, and BC Assessment 2022 valuation and land data were obtained from the City of Courtenay on 15 July 2022. Current Flood Protection Infrastructure locations were received from CoC on 20 December 2022 (2019/2020 Dike Crest Survey completed by WSP on behalf of the Province). 3. Cultural Facilities were assembled from information received from the City of Courtenay on 15 July 2022, and BC

4. Base Layer (Main Map): OSM Humanitarian Data Model and CARTO's Positron, created using derivatives of OpenStreetMap data - openstreetmap.org (© OpenStreetMap contributors; cartography license CC BY-SA). Base Layer (Overview Map): OpenStreetMap data – openstreetmap.org (© OpenStreetMap contributors; cartography licence CC

1. Ebbwater Consulting Inc. (2023). City of Courtenay Flood Management Plan – Appendix A Flood Risk Assessment.

2. Kerr Wood Leidal Associates Ltd. (2021). Coastal Flood Mapping Project. Final Report. Prepared for Comox Valley

Educational Facilities

City Boundary Roads

Heritage Sites & **Cultural Facilities** 

Background

Current Flood

**Protection Infrastructure** 

**Building Footprints** K'ómoks First Nation Reserve Lands

0.0 - 0.1: Most buildings expected to be dry; underground infrastructure and basements may be flooded.

0.1 - 0.3: Water may enter buildings at grade, but most expected to be dry; underground infrastructure and basements may be flooded.

infrastructure and basements may be flooded. 0.5 - 1.0: Water on ground floor; underground infrastructure &

basements may be flooded; potential for electricity failure. 1.0 - 2.0: Ground floor flooded.

> 2.0: First (ground) floor and higher levels covered by water.

	Scale							
	Main Map 1:12,000				Inset Map 1:5,000			
	0	250	500 m		0	50	100 m	
	Date Created: 28 Apr 2023			Coordinate System: NAD83, UTM 10N Vertical Datum: CGVD 2013				
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