## Notes to Users

1. This map is designed to accompany the District of Ucluelet Coastal Flood Mapping report (Ebbwater Consulting Inc. and Cascadia Coast Research Ltd, 2020) only. See the report for further details on the methodology, results and limitations.

2. The tsunami runup elevation was developed based on the highest value of the simulated tsunami (runup) elevations (splay faulting rupture from Gao et al., (2018 for 1 m relative sea level rise (RSLR). The extents of the tsunami planning level of 18 m (without safety factor) are shown on this map.

3. Water levels conservatively assume a 2 m subsidence, a tide equal to higher high water large tide (HHWLT, equal to 2 m at Ucluelet), and 1 m of relative sea level rise (RSLR), to provide results for a potential future flood

4. Based on guidelines for the management of coastal flood hazard land use (Ausenco Sandwell 2011), 1 m of sea level rise approximately corresponds to the year 2100. However, this time period is subject to changes in climate projections and is likely to require reassessment in the

1. The accuracy of the presented tsunami flood planning approaches used. Please refer to the report for detailed

2. This map provides results for one possible tsunami characteristics and associated responses could vary based

3. The accuracy of the tsunami flood planning level extent is limited by the accuracy of the base mapping data and DEM. The flood hazard limits were not established on the ground by legal survey.

4. No formal guidelines exist for the province for mapping of tsunamis. This map was produced by Ebbwater Consulting Inc. and Cascadia Coast Research Ltd. using guidance documents and approaches identified from a literature review of other similar studies.

5. The tsunami flood planning level extents shown on this map are to help inform decisions on future land use policy. Under the provisions of the Local Government Act bylaw or implemented via another planning tool (such as a development permit area). They therefore do not currently have any legal or planning standing.

5. Flood depths and extents are presented for all areas I landward of the cadastral shoreline layer (as provided by the District of Ucluelet (DOU)), including a small buffer to ensure all exposed areas are captured.

6. Base map and parcel layers were provided by different data owners and are subject to differences.

1. Tsunami flood extents were provided by Cascadia Coast

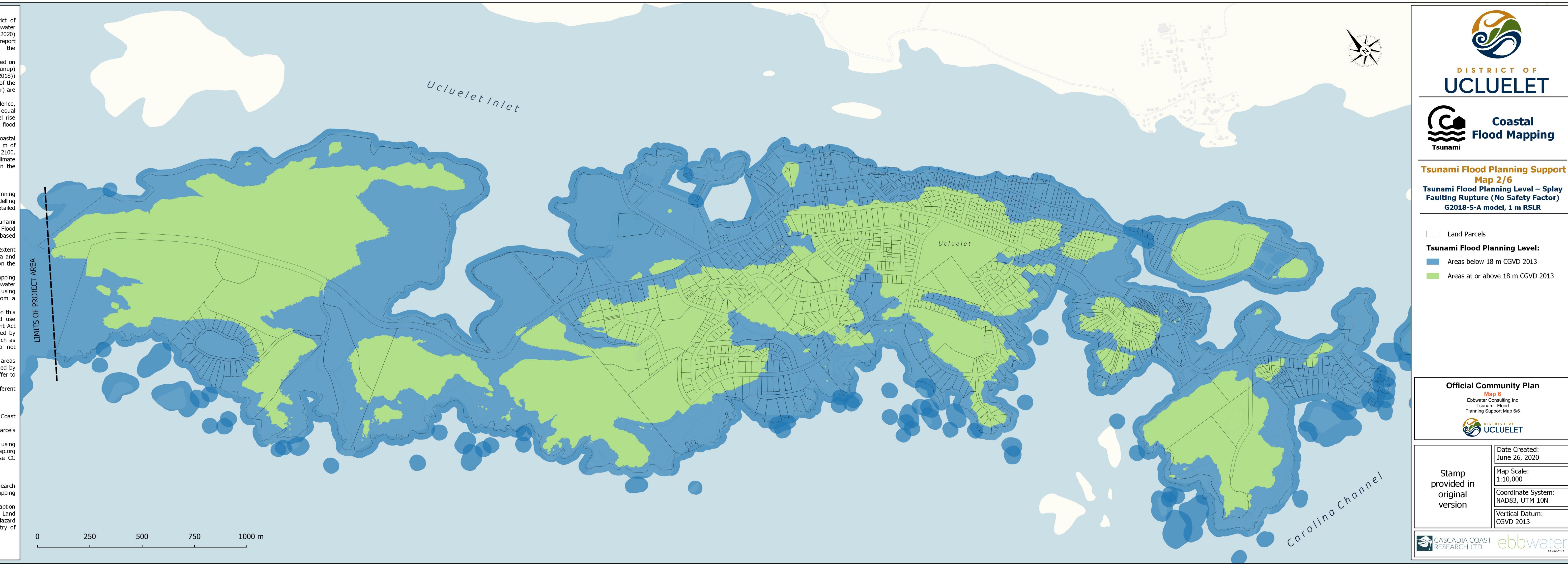
2. Mapping Templates, Shoreline layer, and Land Parcels were received from the DOU.

3. Base layer is based on CARTO's Positron, created using (© OpenStreetMap contributors; cartography license C

1. Ebbwater Consulting Inc. and Cascadia Coast Research Ltd. (2020). District of Ucluelet Coastal Flood Mapping

. Ausenco Sandwell (2011). Climate Change Adaption Use - Guidelines for Management of Coastal Flood Hazard Land Use. Prepared for the British Columbia Ministry o

3. Gao et al., (2018). Nat. Haz. (2018) 94:445–469.



DISTRICT OF

UCLUELET

Map 2/6

G2018-S-A model, 1 m RSLR

Official Community Plan

Ebbwater Consulting Inc Tsunami Flood Planning Support Map 6/6

June 26, 2020

Coordinate System:

NAD83, UTM 10N

Vertical Datum:

Map Scale:

Coastal

Flood Mapping