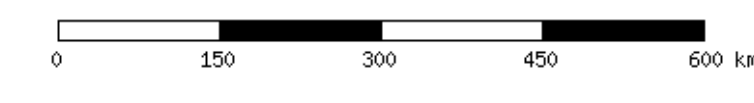


Since 1906 / Depuis 1906

Atlas of Canada 6th Edition (archival version)

Tsunamis

A tsunami is a sea wave or series of waves produced by large disturbances of the sea floor that are of relatively short duration. Such disturbances cause the water column to move vertically and the resulting wave energy to spread outwards across the ocean surface at high speed. Although tsunami occurrences in Canada are rare, they do occur and can cause major damage and loss of life. Since the beginning of the twentieth century, there has been one tsunami reported about every fifteen to twenty years in Canada. This map shows the location of the major tsunami events in Canada including earthquake and landslide events that triggered tsunamis.



Lambert Conformal Conic Projection. Standard Parallels 49°N and 77°N

- Tsunami**
 - Tsunami
 - Earthquake which Triggered a Tsunami
 - Extent of Submarine Landslides, 1929
- Cascadia Subduction Zone**
 - Cascadia Subduction Zone
 - Direction of plate movement
 - Ridge
 - Fault
- Tsunami Run-up Potential**
 - High (1 - 15 or more metres)
 - Intermediate (1 - 5 metres)
 - Low (less than 2 metres)
 - Local Potential
- Populated Places**
 - 0 - 999
 - 1 000 - 4 999
 - 5 000 - 24 999
 - 25 000 - 99 999
 - 100 000 - 499 999
 - 500 000 or greater
- Capital Cities**
 - National: Ottawa
 - Provincial / Territorial
- Boundaries**
 - International
 - Provincial / Territorial
 - Canada's Exclusive Economic Zone (EEZ)
 - Canada / Kalaallit Nunaat dividing line

Source(s):
Cascadia Subduction Zone
Geodynamics Program, Geological Survey of Canada.
Cascadia Subduction Zone: Tsunami Run-up Potential
Clague, J.J., Yorath, C.J.J., Franklin, R., and Turner, R.J.W. 2006. 'Tsunami hazard zones for southwestern British Columbia.' At risk. Earthquakes and tsunamis on the west coast, Tricouni Press, Vancouver, 200 p.
Tsunami
Shown are a selection of 6 tsunamis and 4 related earthquake events that have impacted Canada and Alaska since 1929. Tsunami events are located in the area of significant impact. Earthquake events are located at their epicentre. Data from: Geological Survey of Canada, United States Geological Survey and British Columbia Ministry of Forests and Range.

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