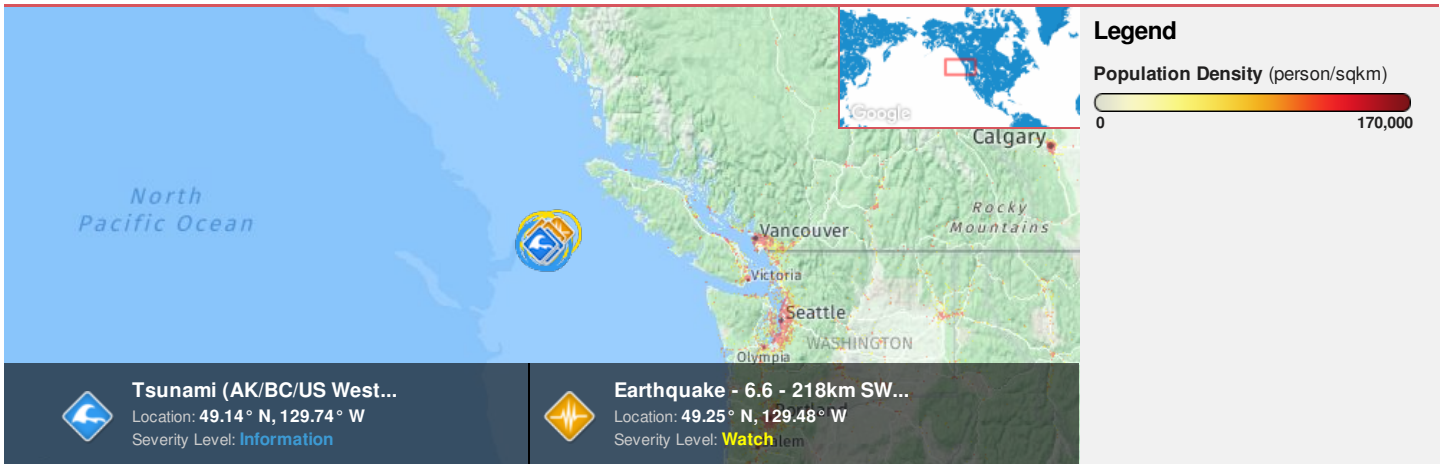
Pacific Disaster Center *Area Brief: General Executive Summary*	HONOLULU 20:48:23 21 Oct 2018	VANCOUVER 23:48:23 21 Oct 2018	WASH.D.C. 02:48:23 22 Oct 2018	ZULU 06:48:23 22 Oct 2018	NAIROBI 09:48:23 22 Oct 2018	BANGKOK 13:48:23 22 Oct 2018

Region Selected » Lower Left Latitude/Longitude: 46.3142 N˚ , -132.6725 E˚
Upper Right Latitude/Longitude: 52.3142 N˚ , -126.67250000000001 E˚



Situational Awareness

Additional information and analysis is available for Disaster Management Professionals. If you are a Disaster Management Professional and would like to apply for access, please register here. Validation of registration information may take 24-48 hours.

Current Hazards:

Recent Earthquakes

Event	Severity	Date (UTC)	Magnitude	Depth (km)	Location	Lat/Long
		22-Oct-2018 06:47:47	6.5	10	223km SW of Port Hardy, Canada	49.31° N / 129.67° W
		22-Oct-2018 06:24:44	6.8	10	197km SW of Port Hardy, Canada	49.35° N / 129.21° W
		22-Oct-2018 05:45:55	6.6	10.96	218km SW of Port Hardy, Canada	49.25° N / 129.48° W

Active Recent Tsunamis

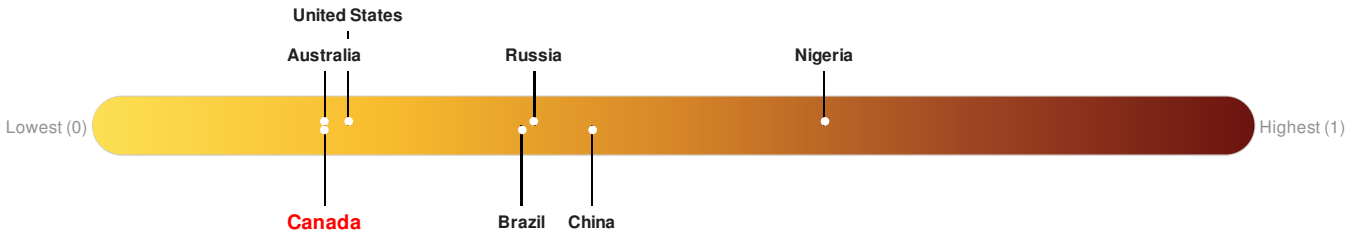
Event	Severity	Date (UTC)	Name	Lat/Long
		22-Oct-2018 06:29:51	Tsunami (Pacific Ocean) - Vancouver Island Canada Region - 6.8	49.1° N / 129.5° W
		22-Oct-2018 06:24:48	Tsunami (AK/BC/US West Coast) - 130 miles SW of Port Alice, British Columbia - 6.8	49.08° N / 129.51° W
		22-Oct-2018 05:49:35	Tsunami (Pacific Ocean) - Vancouver Island Canada Region - 6.6	49.1° N / 129.7° W
		22-Oct-2018 05:45:53	Tsunami (AK/BC/US West Coast) - 135 miles SW of Port Alice, British Columbia - 6.6	49.14° N / 129.74° W

Source: PDC

Lack of Resilience Index:

The Lack of Resilience Index assesses the susceptibility to impact and the short-term inability to absorb, respond to, and recover from disruptions to a country's normal function.

Canada ranks **154** out of **164** countries assessed for Lack of Resilience. Canada is less resilient than 7% of countries assessed. This indicates that Canada has very low susceptibility to negative impacts, and is better able to respond to and recover from a disruption to normal function.



Source: PDC

Regional Overview

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Population Data:

2011

Total: 13, 185
Max Density: 2, 271 (ppl/km^2)

Populated Areas:

No significant land or population areas exist within the current map extent. Please use http://atlas.pdc.org/atlas/ for dynamic mapping capabilities.

Source: iSciences

Risk & Vulnerability

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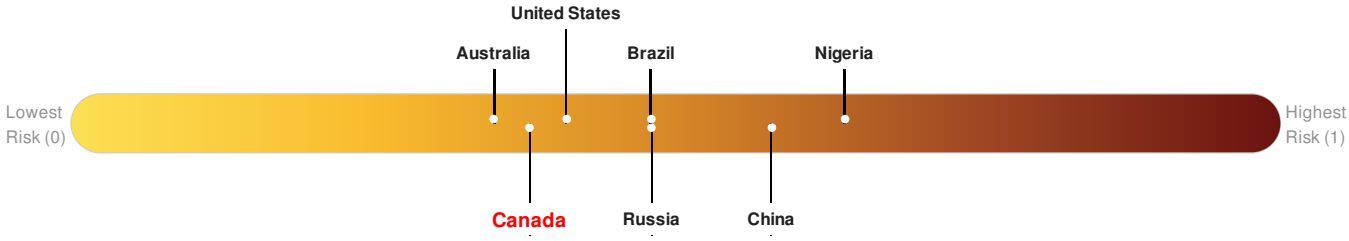
Multi Hazard Risk Index:

The Multi Hazard Risk index assesses the likelihood of losses or disruptions to a country's normal function due to the interaction between exposure to multiple hazards (tropical cyclone winds, earthquake, flood and tsunami), socioeconomic vulnerability, and coping capacity

Canada ranks **80** out of **164** countries assessed for Multi Hazard Risk. Canada has a Multi Hazard Risk higher than 20% of countries assessed. This indicates that Canada has a low likelihood of loss and/or disruption to normal function if exposed to a hazard.



Source: PDC

Lack of Resilience Index:

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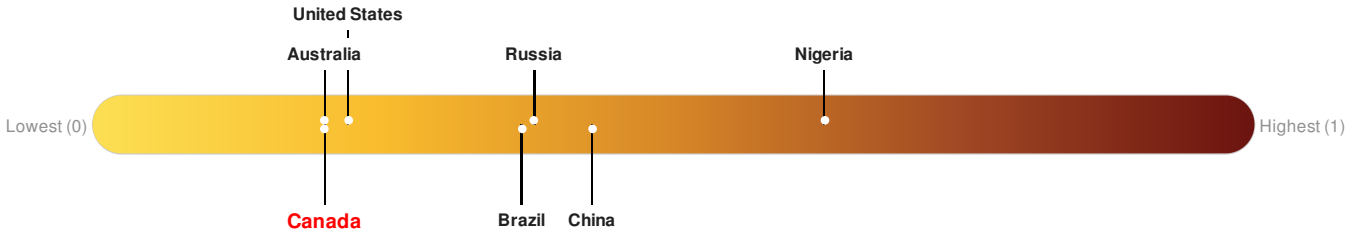

Source: PDC

Historical Hazards

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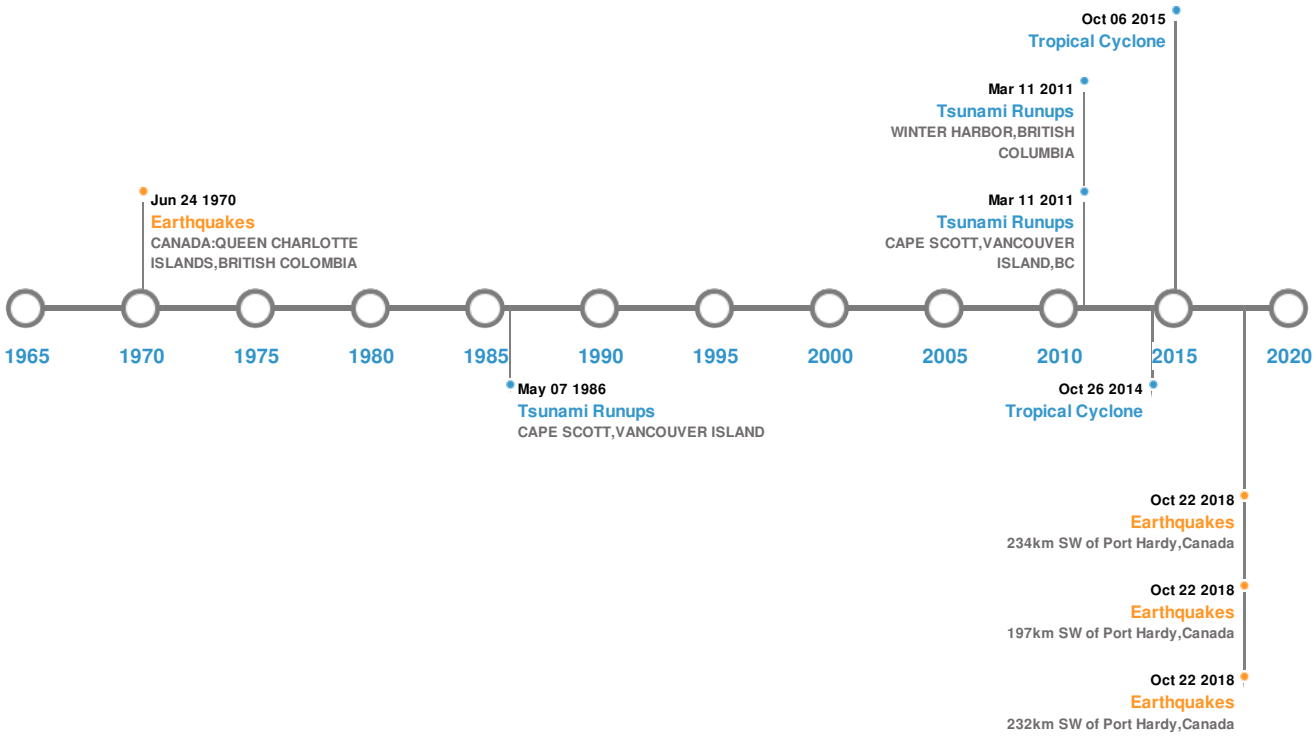
Historical Hazards:



Earthquakes:

5 Largest Earthquakes (Resulting in significant damage or deaths)

Event	Date (UTC)	Magnitude	Depth (Km)	Location	Lat/Long
	24-Jun-1970 00:13:00	7.50	12	CANADA: QUEEN CHARLOTTE ISLANDS, BRITISH COLOMBIA	51.8° N / 131° W
	26-May-1929 00:22:00	7.00	33	BRITISH COLUMBIA	51° N / 131° W
	22-Oct-2018 06:16:30	6.80	21	234km SW of Port Hardy, Canada	49.08° N / 129.51° W
	22-Oct-2018 06:16:28	6.80	10	197km SW of Port Hardy, Canada	49.35° N / 129.21° W
	22-Oct-2018 06:16:26	6.80	21	232km SW of Port Hardy, Canada	49.1° N / 129.5° W

Source: Earthquakes

Tsunami Runups:

5 Largest Tsunami Runups

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	11-Mar-2011 00:00:00	CANADA	-	-	CAPE SCOTT, VANCOUVER ISLAND, BC	- / -
	28-Mar-1964 00:00:00	CANADA	1.3	-	ALERT BAY, BRITISH COLUMBIA	50.58° N / 126.93° W

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	28-Mar-1964 00:00:00	CANADA	1.2	-	BELLA BELLA, BRITISH COLUMBIA	52.16° N / 128.14° W
	11-Mar-2011 14:48:24	CANADA	0.77	-	WINTER HARBOR, BRITISH COLUMBIA	- / -
	07-May-1986 00:00:00	CANADA	0.7	-	CAPE SCOTT, VANCOUVER ISLAND	50.78° N / 128.43° W

Source: Tsunamis

Tropical Cyclones:

5 Largest Tropical Cyclones

Event	Name	Start/End Date(UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Location	Lat/Long
	OHO	06-Oct-2015 00:00:00 - 06-Oct-2015 00:00:00	58	-	-	48° N / 131° W
	ANA	24-Oct-2014 00:00:00 - 26-Oct-2014 00:00:00	52	-	-	49.78° N / 130.7° W

Source: Tropical Cyclones

Disclosures

* As defined by the source (Dartmouth Flood Observatory, University of Colorado), Flood Magnitude = LOG(Duration x Severity x Affected Area). Severity classes are based on estimated recurrence intervals and other criteria.

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