| Pacific Disaster Center<br>*Area Brief: General Executive Summary* | HONOLULU<br>18:03:58<br>09 Aug 2018 | VANCOUVER<br>21:03:58<br>09 Aug 2018 | WASH.D.C.<br>00:03:58<br>10 Aug 2018 | ZULU<br>04:03:58<br>10 Aug 2018 | NAIROBI<br>07:03:58<br>10 Aug 2018 | BANGKOK<br>11:03:58<br>10 Aug 2018 |
|---|---|---|---|---|---|---|

**Region Selected »** Lower Left Latitude/Longitude: 48.405265601 N˚ , -124.742831394 E˚
Upper Right Latitude/Longitude: 54.405265601 N˚ , -118.742831394 E˚


**Legend**

**Population Density** (person/sqkm)

0 — 170,000

## 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:

### Active Extreme Temperature

| Event | Severity | Date (UTC) | Name | Lat/Long |
|---|---|---|---|---|
| | | 06-Aug-2018 21:20:08 | Extreme Heat - Southern and Central British Columbia, Canada | 51.77° N / 122.5° W |

### Active Wild Fire

| Event | Severity | Date (UTC) | Name | Lat/Long |
|---|---|---|---|---|
| | | 10-Aug-2018 03:59:30 | Wildfire - N of Lillooet, British Columbia - Canada | 51.41° N / 121.74° W |
| | | 10-Aug-2018 03:59:30 | Wildfire - W of Jasper, Alberta - Canada | 52.91° N / 119.52° W |
| | | 10-Aug-2018 03:59:30 | Wildfire - W of Quesnel, British Columbia - Canada | 53.18° N / 123.51° W |
| | | 10-Aug-2018 03:59:30 | Wildfire - SW of Quesnel, British Columbia - Canada | 52.79° N / 122.82° W |

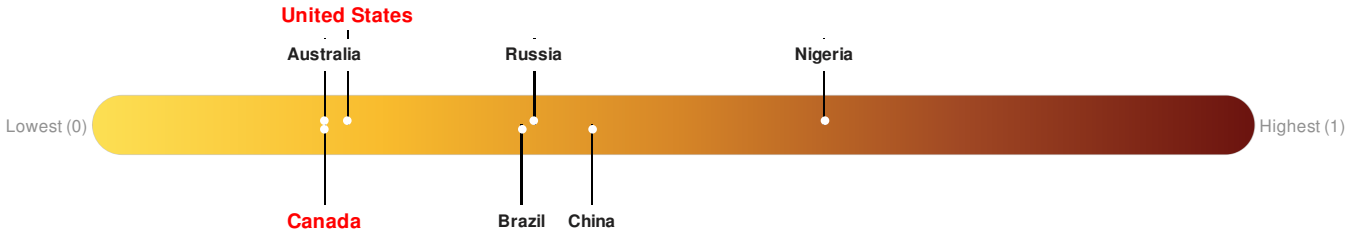
*Source: PDC*

# 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 **165** 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 less able to respond to and recover from a disruption to normal function.

**United States** ranks **149** out of **165** countries assessed for Lack of Resilience. United States is less resilient than 10% of countries assessed. This indicates that United States has low susceptibility to negative impacts, and is less able to respond to and recover from a disruption to normal function.




*Source: PDC*

## Regional Overview

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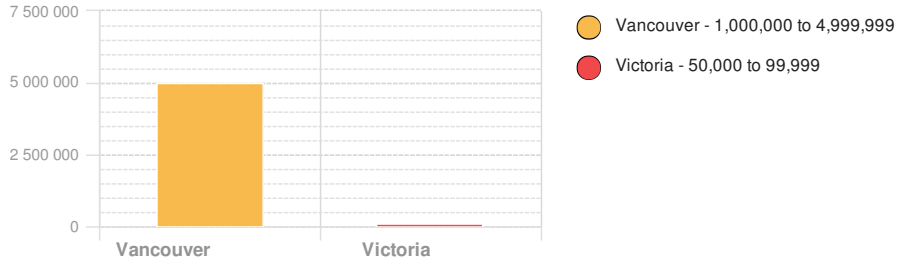
## Population Data:

### 2011

**Total: 4, 183, 560**
**Max Density: 11, 364**(ppl/km$^2$)

## Populated Areas:




*Source: iSciences*

## Risk & Vulnerability

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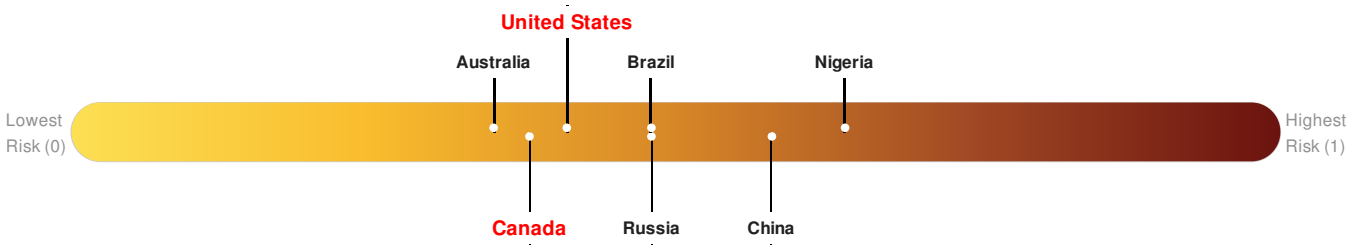
## Multi Hazard Risk Index:

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

Multi-Hazard Exposure **Canada** ranks **132** out of **165** countries assessed for Multi Hazard Risk. Canada has a Multi Hazard Risk higher than 20% of countries assessed. This indicates that Canada has less likelihood of loss and/or disruption to normal function if exposed to a hazard.

Multi-Hazard Exposure **United States** ranks **121** out of **165** countries assessed for Multi Hazard Risk. United States has a Multi Hazard Risk higher than 27% of countries assessed. This indicates that United States has less likelihood of loss and/or disruption to normal function if exposed to a hazard.



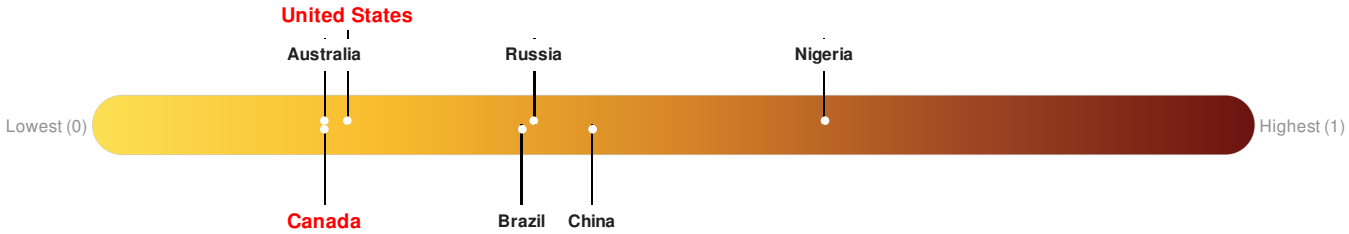

*Source: PDC*

## 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 **165** 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 less able to respond to and recover from a disruption to normal function.

**United States** ranks **149** out of **165** countries assessed for Lack of Resilience. United States is less resilient than 10% of countries assessed. This indicates that United States has low susceptibility to negative impacts, and is less able to respond to and recover from a disruption to normal function.




*Source: PDC*

## Historical Hazards

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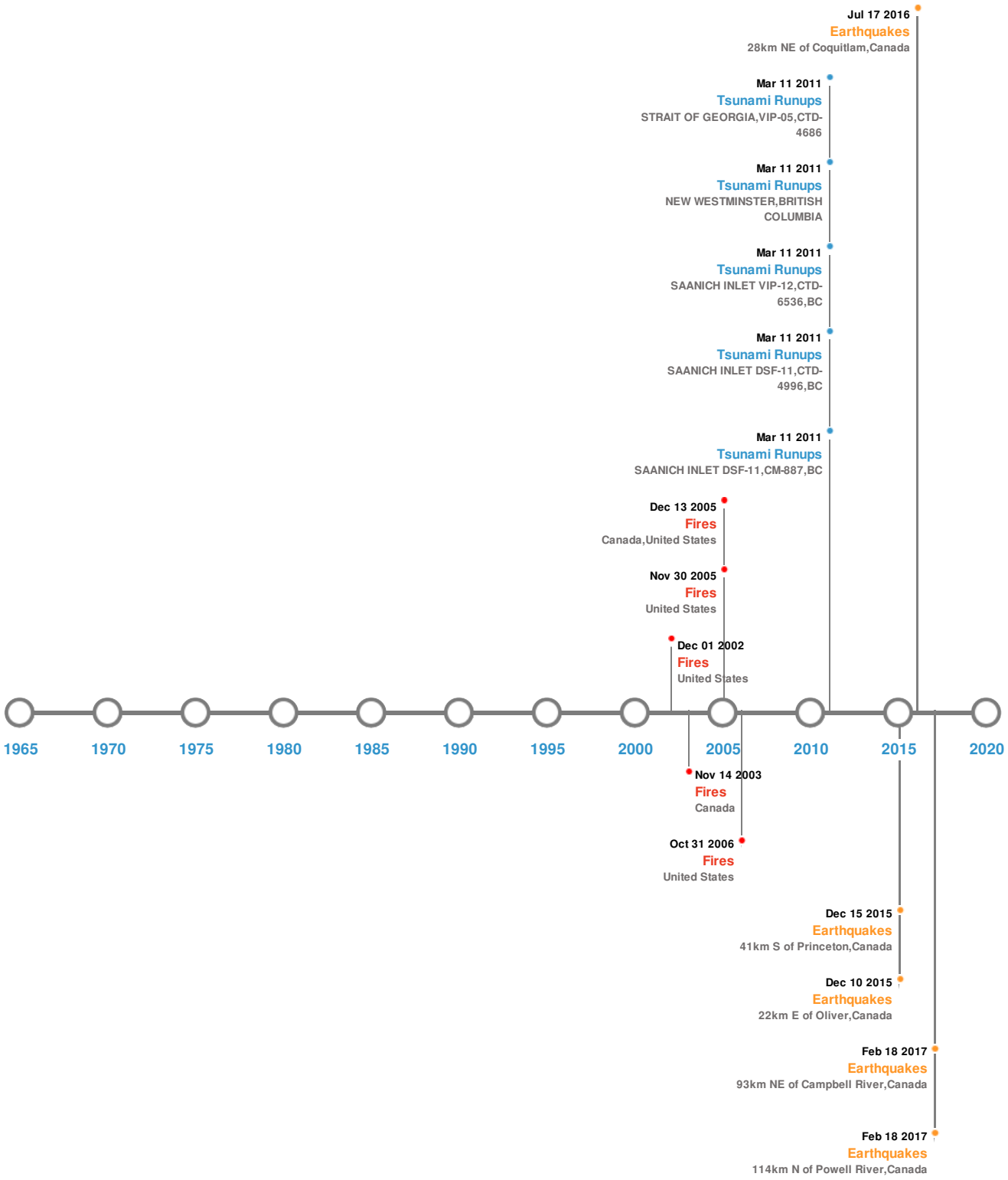
# Historical Hazards:




# Earthquakes:

**5 Largest Earthquakes** (Resulting in significant damage or deaths)

| Event | Date (UTC) | Magnitude | Depth (Km) | Location | Lat/Long |
|---|---|---|---|---|---|
| | 18-Feb-2017 14:40:42 | 4.20 | 20 | 93km NE of Campbell River, Canada | 50.7° N / 124.49° W |

| Event | Date (UTC) | Magnitude | Depth (Km) | Location | Lat/Long |
|---|---|---|---|---|---|
| | 18-Feb-2017 14:40:39 | 4.00 | 17.13 | 114km N of Powell River, Canada | 50.87° N / 124.3° W |
| | 10-Sep-2016 16:16:31 | 3.90 | 6.59 | 22km E of Oliver, Canada | 49.22° N / 119.25° W |
| | 15-Aug-2016 00:52:08 | 3.49 | 9.41 | 41km S of Princeton, Canada | 49.08° N / 120.54° W |
| | 17-Jul-2016 00:42:53 | 3.23 | -0.85 | 28km NE of Coquitlam, Canada | 49.47° N / 122.48° W |

*Source: Earthquakes*

## Volcanic Eruptions:

### 5 Largest Volcanic Eruptions (Last updated in 2000)

| Event | Name | Date (UTC) | Volcanic Explosivity Index | Location | Lat/Long |
|---|---|---|---|---|---|
| | BAKER, MOUNT | 01-Nov-1859 00:00:00 | 2.00 | USA-WASHINGTON | 48.79° N / 121.81° W |
| | BAKER, MOUNT | 01-Aug-1863 00:00:00 | 0.00 | USA-WASHINGTON | 48.79° N / 121.81° W |
| | BAKER, MOUNT | 01-Mar-1850 00:00:00 | 0.00 | USA-WASHINGTON | 48.79° N / 121.81° W |

*Source: Volcanoes*

## Tsunami Runups:

### 5 Largest Tsunami Runups

| Event | Date (UTC) | Country | Runup (m) | Deaths | Location | Lat/Long |
|---|---|---|---|---|---|---|
| | 11-Mar-2011 00:00:00 | CANADA | - | - | SAANICH INLET DSF-11, CM-887, BC | - / - |
| | 11-Mar-2011 00:00:00 | CANADA | - | - | SAANICH INLET DSF-11, CTD-4996, BC | - / - |
| | 11-Mar-2011 00:00:00 | CANADA | - | - | SAANICH INLET VIP-12, CTD-6536, BC | - / - |
| | 11-Mar-2011 00:00:00 | CANADA | - | - | NEW WESTMINSTER, BRITISH COLUMBIA | - / - |
| | 11-Mar-2011 00:00:00 | CANADA | - | - | STRAIT OF GEORGIA, VIP-05, CTD-4686 | - / - |

*Source: Tsunamis*

## Wildfires:

### 5 Largest Wildfires

| Event | Start/End Date(UTC) | Size (sq. km.) | Location | Mean Lat/Long |
|---|---|---|---|---|
| | 26-Jul-2006 00:00:00 - 08-Nov-2006 00:00:00 | 46.90 | United States | 48.68° N / 119.91° W |
| | | | | |

| Event | Start/End Date(UTC) | Size (sq. km.) | Location | Mean Lat/Long |
|---|---|---|---|---|
| | 17-Aug-2003 00:00:00 - 14-Nov-2003 00:00:00 | 34.20 | Canada | 49.75° N / 119.51° W |
| | 02-Jul-2003 00:00:00 - 01-Aug-2003 00:00:00 | 30.80 | United States | 48.83° N / 120.17° W |
| | 25-Jul-2006 00:00:00 - 08-Sep-2006 00:00:00 | 20.30 | United States | 48.63° N / 120.06° W |
| | 28-Aug-2006 00:00:00 - 13-Sep-2006 00:00:00 | 11.30 | Canada,United States | 48.93° N / 120.57° W |

*Source: Wildfires*

## 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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