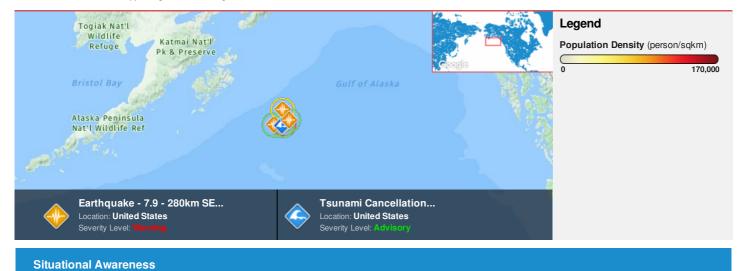
| Pacific Disaster Center | HONOLULU    | ANCHORAGE   | WASH.D.C.   | ZULU        | NAIROBI     | BANGKOK     |
|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Area Brief: General     | 03:20:33    | 04:20:33    | 08:20:33    | 13:20:33    | 16:20:33    | 20:20:33    |
| Executive Summary       | 23 Jan 2018 |

Region Selected » Lower Left Latitude/Longitude: 53.0 N°, -152.1 E° Upper Right Latitude/Longitude: 59.0 N°, -146.1 E°



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             |  |
|                    | !        | 23-Jan-2018 12:09:04 | 5.6       | 23.95      | 240km SE of Kodiak, Alaska | 56.54° N / 149.17° W |  |
|                    | 0        | 23-Jan-2018 12:09:02 | 5         | 13.04      | 255km SE of Kodiak, Alaska | 56.03° N / 149.71° W |  |
|                    | 0        | 23-Jan-2018 10:52:21 | 5         | 10         | 283km SE of Kodiak, Alaska | 56.19° N / 148.78° W |  |
|                    | 0        | 23-Jan-2018 09:37:22 | 7.9       | 25         | 280km SE of Kodiak, Alaska | 56.05° N / 149.07° W |  |

| Active Recent Tsunamis |          |                      |                                                                                        |                  |  |  |  |
|------------------------|----------|----------------------|----------------------------------------------------------------------------------------|------------------|--|--|--|
| Event                  | Severity | Date (UTC)           | Name                                                                                   | Lat/Long         |  |  |  |
|                        | 0        | 23-Jan-2018 09:44:40 | Tsunami Advisory (Pacific Ocean) - Gulf Of Alaska - 7.9                                | 56° N / 149.2° W |  |  |  |
|                        | 0        | 23-Jan-2018 09:38:59 | Tsunami Cancellation (AK/BC/US West Coast) - 175 miles SE of Kodiak City, Alaska - 7.9 | 56° N / 149.1° W |  |  |  |

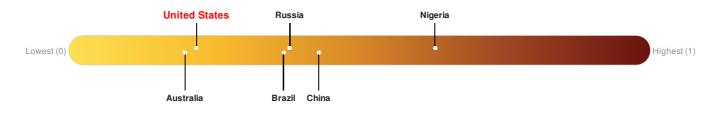
Source: <u>PDC</u>

# 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.

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: 0 Max Density: 0(ppl/km<sup>2</sup>)

## **Populated Areas:**

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

#### Source: iSciences

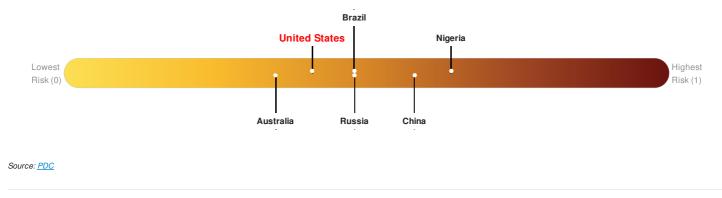
#### Risk & Vulnerability

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.

## **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 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.

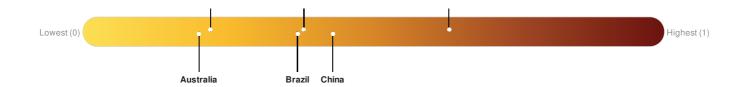


## Lack of Resilience Index:

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.

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.

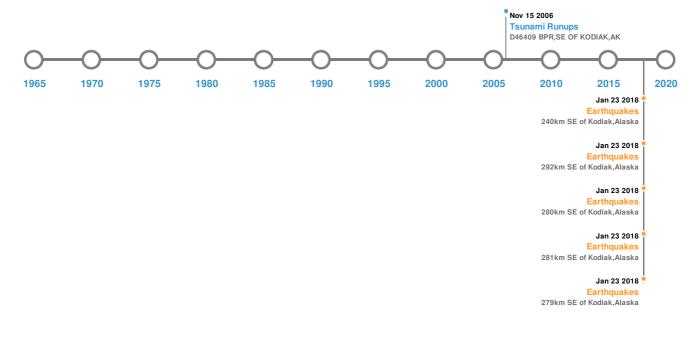
| United States | Russia |  |
|---------------|--------|--|
| 1             |        |  |



Source: PDC

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.

## **Historical Hazards:**



# Earthquakes:

| Event   | Date (UTC)           | Magnitude | Depth (Km) | Location                   | Lat/Long             |
|---------|----------------------|-----------|------------|----------------------------|----------------------|
|         | 23-Jan-2018 09:31:41 | 8.00      | 20         | 281km SE of Kodiak, Alaska | 55.95° N / 149.23° W |
| <b></b> | 23-Jan-2018 09:31:40 | 8.00      | 19         | 279km SE of Kodiak, Alaska | 56° N / 149.2° W     |
|         | 23-Jan-2018 09:31:42 | 7.90      | 25         | 280km SE of Kodiak, Alaska | 56.05° N / 149.07° W |
| <b></b> | 23-Jan-2018 09:31:43 | 7.00      | 10.4       | 292km SE of Kodiak, Alaska | 55.91° N / 149.05° W |
|         | 23-Jan-2018 11:47:00 | 5.60      | 23.95      | 240km SE of Kodiak, Alaska | 56.54° N / 149.17° W |

Source: Earthquakes

# **Tsunami Runups:**

| 5 Largest Tsunami Runups |                      |         |           |        |                              |                    |  |
|--------------------------|----------------------|---------|-----------|--------|------------------------------|--------------------|--|
| Event                    | Date (UTC)           | Country | Runup (m) | Deaths | Location                     | Lat/Long           |  |
|                          | 15-Nov-2006 16:23:00 | USA     | -         | -      | D46409 BPR, SE OF KODIAK, AK | 55.3° N / 148.5° W |  |
|                          | 05-Sep-1866 00:00:00 | USA     | -         | -      | KODIAK ISLAND, AK            | 58° N / 152° W     |  |



Country

## **Disclosures**

\* As defined by the source (<u>Dartmouth Flood Observatory</u>, 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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