

HONOLULU 20:47:33 20 Aug 2018 WASH.D.C. 02:47:33 21 Aug 2018 ZULU 06:47:33 21 Aug 2018 NAIROBI 09:47:33 21 Aug 2018 BANGKOK 13:47:33 21 Aug 2018 TONGATAPU 19:47:33 21 Aug 2018

Region Selected » Lower Left Latitude/Longitude: -20.8441 N°, -180.0 E° Upper Right Latitude/Longitude: -14.84410000000001 N°, -175.2063 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:

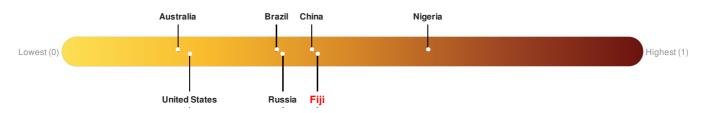
| Recen | Recent Earthquakes | | | | | | | | |
|-------|--------------------|----------------------|-----------|------------|--------------------------------|--------------------|--|--|--|
| Event | Severity | Date (UTC) | Magnitude | Depth (km) | Location | Lat/Long | | | |
| | 0 | 21-Aug-2018 06:46:40 | 5 | 555.43 | Fiji region | 17.84° S/178.21° W | | | |
| | 1 | 20-Aug-2018 09:00:36 | 5.5 | 527.85 | 271km NNE of Ndoi Island, Fiji | 18.25° S/178.17° W | | | |
| | 1 | 19-Aug-2018 02:41:19 | 5.7 | 618.29 | 265km N of Ndoi Island, Fiji | 18.27° S/178.35° 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.

Fiji ranks 79 out of 165 countries assessed for Lack of Resilience. Fiji is less resilient than 53% of countries assessed. This indicates that Fiji has medium susceptibility to negative impacts, and is more able to respond to and recover from a disruption to normal function.



Regional Overview

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Population Data:

2011

Total: 19, 472

Max Density: 1, 236(ppl/km²)

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

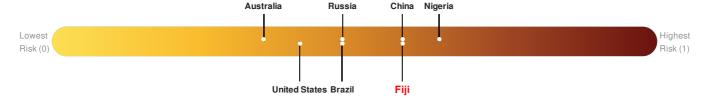
Risk & Vulnerability

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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

Multi-Hazard Exposure Fiji ranks 32 out of 165 countries assessed for Multi Hazard Risk. Fiji has a Multi Hazard Risk higher than 81% of countries assessed. This indicates that Fiji has more likelihood of loss and/or disruption to normal function if exposed to a hazard.

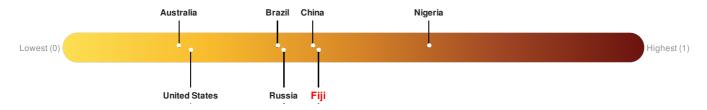


Source: PDC

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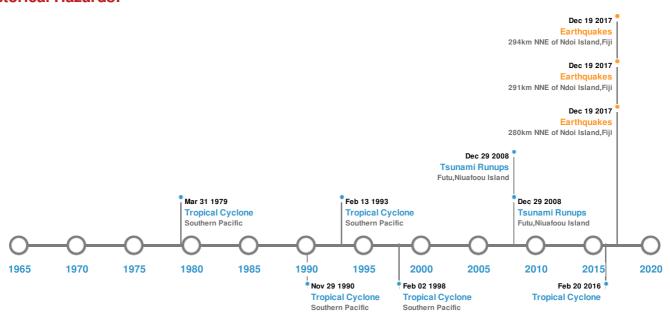


Source: PDC

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 | | | |
| * | 01-Jan-1919 00:02:00 | 8.30 | 180 | FIJI ISLANDS | 19.5° S / 176.5° W | | | |
| * | 19-Aug-2018 00:19:37 | 8.20 | 563.41 | 280km NNE of Ndoi Island, Fiji | 18.18° S / 178.11° W | | | |
| * | 19-Aug-2018 00:19:37 | 7.90 | 570 | 291km NNE of Ndoi Island, Fiji | 18.1° S / 178° W | | | |
| * | 19-Aug-2018 00:19:37 | 7.90 | 570.1 | 294km NNE of Ndoi Island, Fiji | 18.07° S / 178.02° W | | | |
| | 22-Feb-1909 00:09:00 | 7.80 | 550 | FIJI ISLANDS | 18° S / 179° W | | | |

Source: Earthquakes

Volcanic Eruptions:

| 5 Largest Volcanic Eruptions (Last updated in 2000) | | | | | | | |
|---|---------------|--------------------------------|----------------------------|------------------|----------------------|--|--|
| Event | Name | Date (UTC) | Volcanic Explosivity Index | Location | Lat/Long | | |
| ♦ | NIUAFO'OU | NIUAFO'OU 09-Sep-1946 00:00:00 | | TONGA-SW PACIFIC | 15.6° S / 175.63° W | | |
| | FALCON ISLAND | 11-Oct-1885 00:00:00 | 3.00 | TONGA-SW PACIFIC | 20.31° S / 175.41° W | | |

| Event | Name Date (UTC) | | Volcanic Explosivity Index | Location | Lat/Long |
|----------|-----------------|----------------------|----------------------------|------------------|----------------------|
| | TOFUA | 31-Dec-1958 00:00:00 | 2.00 | TONGA-SW PACIFIC | 19.75° S / 176.08° W |
| ♦ | NIUAFO'OU | 01-Sep-1943 00:00:00 | 2.00 | TONGA-SW PACIFIC | 15.6° S / 175.63° W |
| | FALCON ISLAND | 01-Jun-1936 00:00:00 | 2.00 | TONGA-SW PACIFIC | 20.31° S / 175.41° W |

Source: Volcanoes

Tsunami Runups:

| 5 Largest Tsunami Runups | | | | | | | | |
|--------------------------|----------------------|---------|-----------|--------|-----------------------|----------------------|--|--|
| Event | Date (UTC) | Country | Runup (m) | Deaths | Location | Lat/Long | | |
| \$ | 29-Sep-2009 00:00:00 | TONGA | 4.6 | - | Futu, Niuafoou Island | 15.59° S / 175.67° W | | |
| \$ | 29-Sep-2009 00:00:00 | TONGA | 3.49 | - | Futu, Niuafoou Island | 15.59° S / 175.68° W | | |

Source: <u>Tsunamis</u>

Tropical Cyclones:

| 5 Large | 5 Largest Tropical Cyclones | | | | | | | |
|---------|-----------------------------|--|----------------------|----------------------|------------------|----------------------|--|--|
| Event | Name | Start/End Date(UTC) | Max Wind Speed (mph) | Min Pressure (mb) | Location | Lat/Long | | |
| | WINSTON | 12-Feb-2016 00:00:00 - 20-Feb-2016 00:00:00 | 184 | - | | 18.55° S / 177.33° W | | |
| | 1998-01- 01 | 01-Jan-1998 18:00:00 - 02-Feb-1998 00:00:00 | 167 | No Data | Southern Pacific | 18.6° S/5.5° W | | |
| | 1990-11- 23 | 23-Nov-1990 12:00:00 - 29-Nov-1990 06:00:00 | 144 | No Data | Southern Pacific | 14.13° S / 0° | | |
| | 1993-02- 03 | 03-Feb-1993 06:00:00 - 13-Feb-1993 18:00:00 | 132 | No Data | Southern Pacific | 19.15° S/0° | | |
| | 1979-03- 24 | 24-Mar-1979 06:00:00 - 31-Mar-1979 06:00:00 | 132 | No Data | Southern Pacific | 26.4° S/0° | | |

Source: <u>Tropical Cyclones</u>

Disclosures

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^{*} 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.