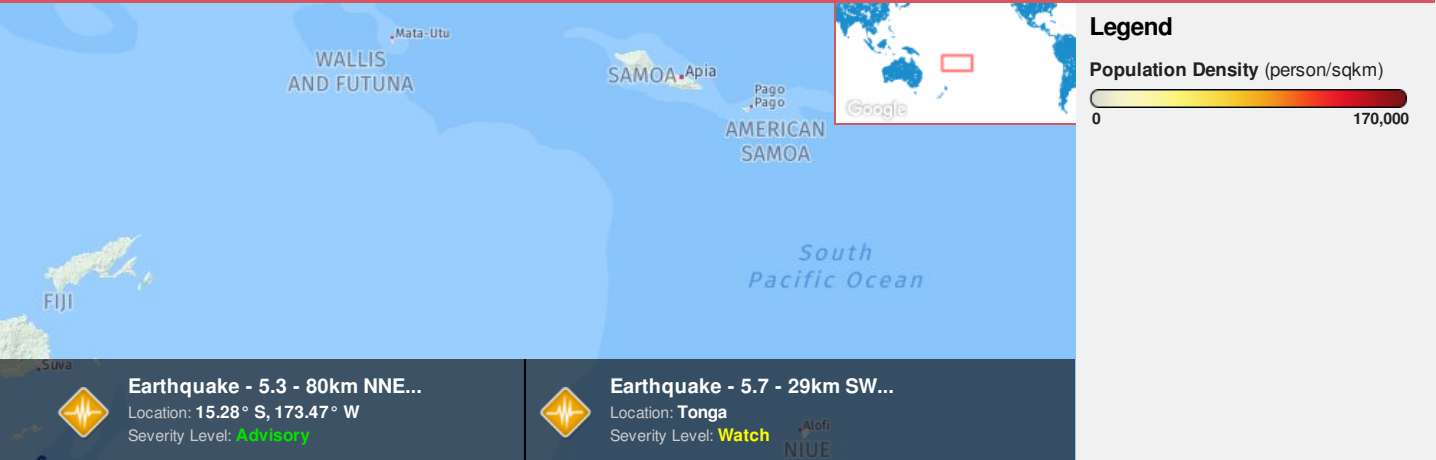


**Region Selected »**

Lower Left Latitude/Longitude: -19.1312 N° , -176.9502 E°  
Upper Right Latitude/Longitude: -13.1312 N° , -170.9502 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

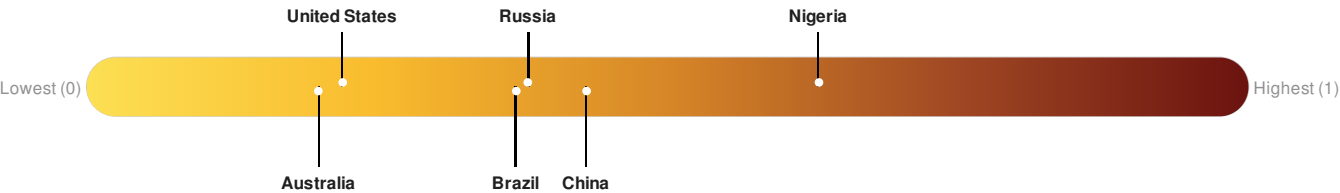
Event	Severity	Date (UTC)	Magnitude	Depth (km)	Location	Lat/Long
		08-Dec-2017 23:47:30	5.7	129.33	29km SW of Hihifo, Tonga	16.13° S / 173.95° W
		07-Dec-2017 23:29:25	5.3	10	80km NNE of Hihifo, Tonga	15.28° S / 173.47° W

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.

There was insufficient data to determine the Lack of Resilience Index score for **Tonga**. There was insufficient data to determine the Lack of Resilience Index score for **Wallis & Futuna**. There was insufficient data to determine the Lack of Resilience Index score for **Samoa**.



Source: [PDC](#)

Regional Overview

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.

Population Data:

2011

Total: 249,824  
Max Density: 6,613(ppl/km<sup>2</sup>)

Populated Areas:



Source: [iSciences](#)

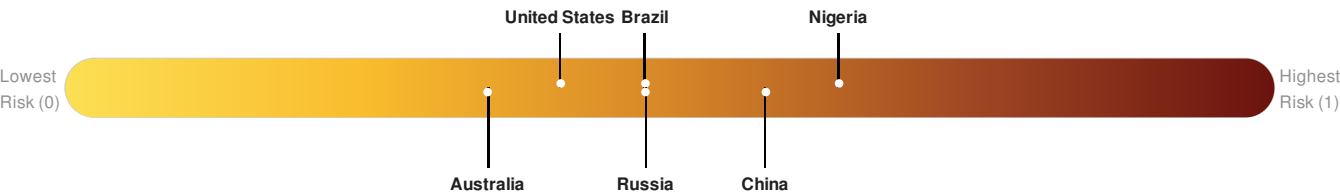
Risk & Vulnerability

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

- There was insufficient data to determine the Multi Hazard Risk Index score for **Tonga**.
- There was insufficient data to determine the Multi Hazard Risk Index score for **Samoa**.
- There was insufficient data to determine the Multi Hazard Risk Index score for **Wallis & Futuna**.

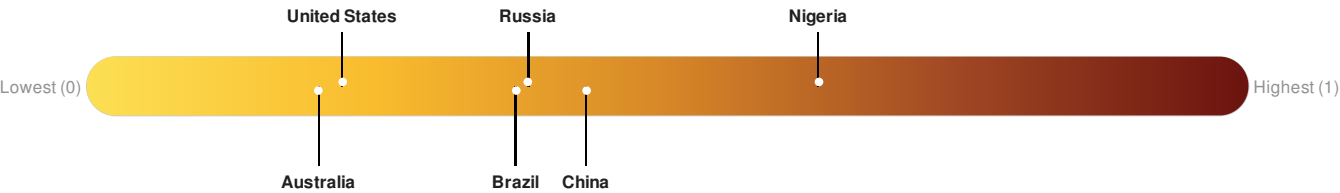


Source: [PDC](#)

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.

- There was insufficient data to determine the Lack of Resilience Index score for **Tonga**.
- There was insufficient data to determine the Lack of Resilience Index score for **Wallis & Futuna**.
- There was insufficient data to determine the Lack of Resilience Index score for **Samoa**.

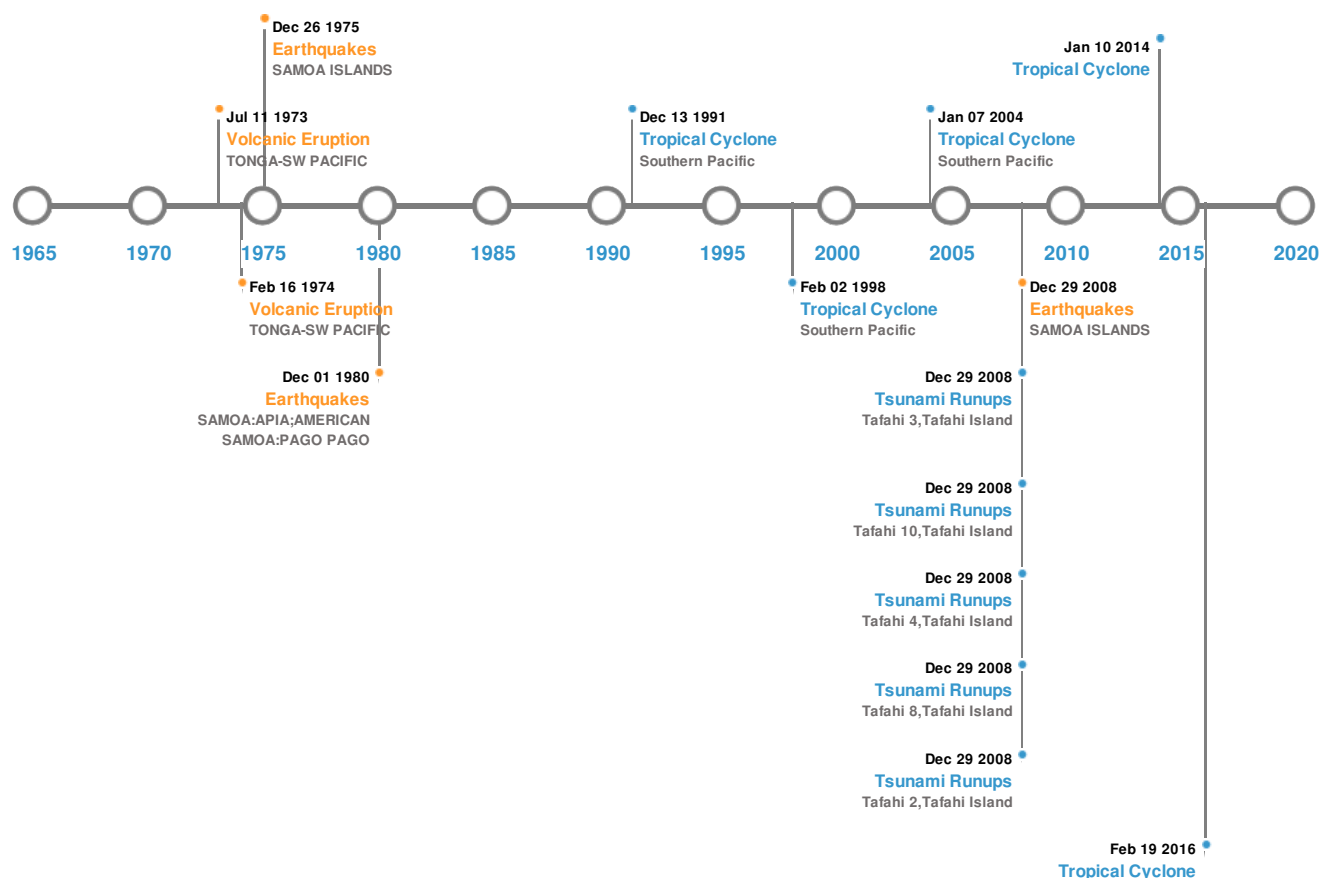


Source: [PDC](#)

## Historical Hazards

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:

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






Event	Date (UTC)	Magnitude	Depth (Km)	Location	Lat/Long
	30-Apr-1919 00:07:00	8.30	25	TONGA ISLANDS	19° S / 172.5° W
	26-Jun-1917 00:05:00	8.30	25	SAMOA ISLANDS	15.5° S / 173° W
	29-Sep-2009 00:17:00	8.00	18	SAMOA ISLANDS	15.49° S / 172.09° W
	26-Dec-1975 00:15:00	7.80	33	SAMOA ISLANDS	16.26° S / 172.47° W
	01-Sep-1981 00:09:00	7.70	25	SAMOA: APIA; AMERICAN SAMOA: PAGO PAGO	14.96° S / 173.08° W

Source: [Earthquakes](#)

### Volcanic Eruptions:

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

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
-------	------	------------	----------------------------	----------	----------

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	FONUALEI	11-Jul-1973 00:00:00	3.00	TONGA-SW PACIFIC	18.01° S / 174.32° W
	NIUAFOU	09-Sep-1946 00:00:00	3.00	TONGA-SW PACIFIC	15.6° S / 175.63° W
	FONUALEI	01-Oct-1846 00:00:00	3.00	TONGA-SW PACIFIC	18.01° S / 174.32° W
	FONUALEI	16-Feb-1974 00:00:00	2.00	TONGA-SW PACIFIC	18.01° S / 174.32° W
	FONUALEI	21-Aug-1951 00:00:00	2.00	TONGA-SW PACIFIC	18.01° S / 174.32° 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	22.35	-	Tafahi 2, Tafahi Island	15.85° S / 173.75° W
	29-Sep-2009 00:00:00	TONGA	22	-	Tafahi 8, Tafahi Island	15.84° S / 173.75° W
	29-Sep-2009 00:00:00	TONGA	19.91	-	Tafahi 4, Tafahi Island	15.85° S / 173.75° W
	29-Sep-2009 00:00:00	TONGA	19.57	-	Tafahi 10, Tafahi Island	15.86° S / 173.74° W
	29-Sep-2009 00:00:00	TONGA	18.02	-	Tafahi 3, Tafahi Island	15.85° S / 173.75° 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
	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
	HETA	02-Jan-2004 12:00:00 - 07-Jan-2004 18:00:00	161	No Data	Southern Pacific	18.6° S / 167.85° W
	WINSTON	12-Feb-2016 00:00:00 - 19-Feb-2016 00:00:00	144	-	-	17.71° S / 173.66° W
	1991-12-04	04-Dec-1991 12:00:00 - 13-Dec-1991 06:00:00	144	No Data	Southern Pacific	19.25° S / 168° W
	SEVEN	05-Jan-2014 00:00:00 - 10-Jan-2014 00:00:00	138	-	-	18.04° S / 175.73° W

Source: [Tropical Cyclones](#)

## Disclosures

\* As defined by the source ([Dartmouth Flood Observatory](#), University of Colorado), Flood Magnitude =  $\text{LOG}(\text{Duration} \times \text{Severity} \times \text{Affected Area})$ . Severity classes are based on estimated recurrence intervals and other criteria.

The information and data contained in this product are for reference only. Pacific Disaster Center (PDC) does not guarantee the accuracy of this data. Refer to original sources for any legal restrictions. Please refer to PDC Terms of Use for PDC generated information and products. The names, boundaries, colors, denominations and any other information shown on the associated maps do not imply, on the part of PDC, any judgment on the legal status of any territory, or any endorsement or acceptance of such boundaries.