

Region Selected »
Lower Left Latitude/Longitude: -20.1314 N° , -176.5046 E°
Upper Right Latitude/Longitude: -14.1314 N° , -170.5046 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:

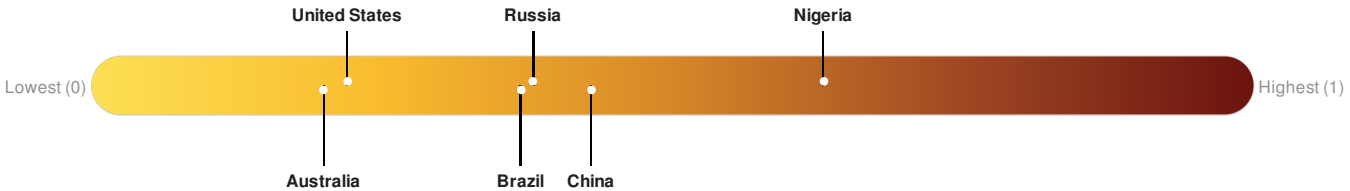
Recent Earthquakes

Event	Severity	Date (UTC)	Magnitude	Depth (km)	Location	Lat/Long
		22-May-2017 17:02:54	5.3	10	133km S of Hihifo, Tonga	17.13° S / 173.5° W

Source: [PDC](#)

Lack of Resilience Index:

Lack of Resilience represents the combination of susceptibility to impact and the relative inability to absorb, respond to, and recover from negative impacts that do occur over the short term. 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 **American Samoa**.



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 **American Samoa**.

Source: [PDC](#)

Regional Overview

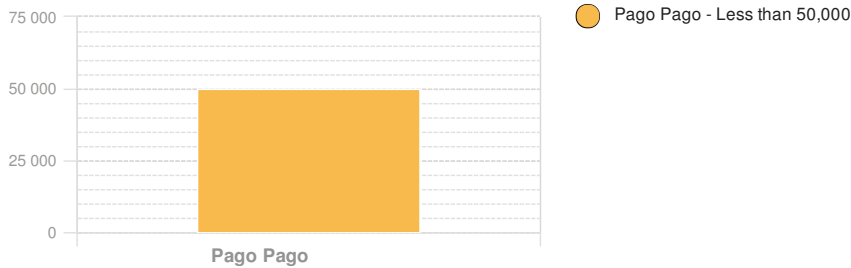
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Population Data:

Populated Areas:

2011

Total: 83,485
Max Density: 10,806 (ppl/km²)



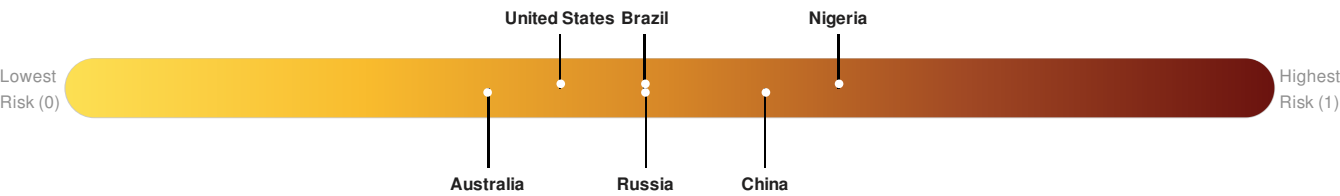
Source: [iSciences](#)

Risk & Vulnerability

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Multi Hazard Risk Index:

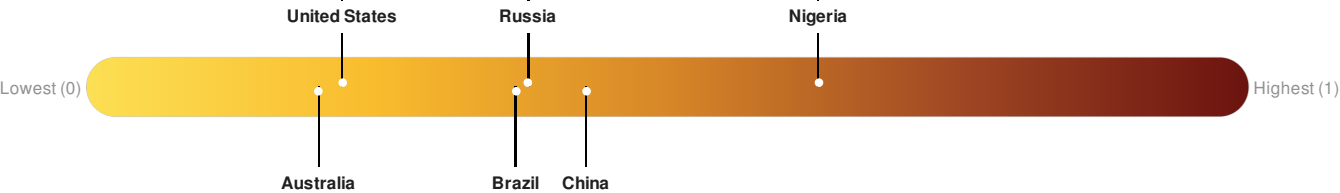
There was insufficient data to determine the Multi Hazard Risk Index score for **Tonga**.
There was insufficient data to determine the Multi Hazard Risk Index score for **American Samoa**.



Source: [PDC](#)

Lack of Resilience Index:

Lack of Resilience represents the combination of susceptibility to impact and the relative inability to absorb, respond to, and recover from negative impacts that do occur over the short term. 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 **American Samoa**.



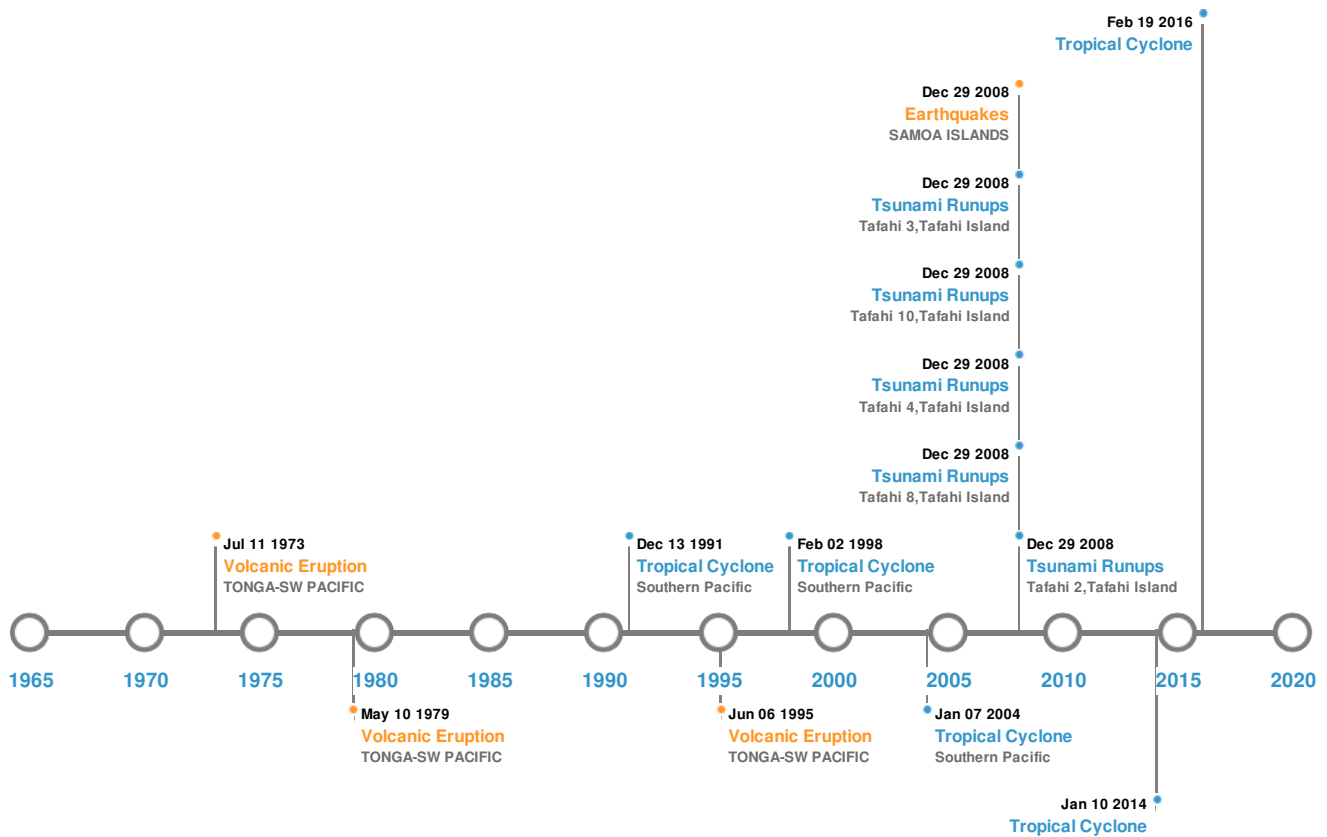
There was insufficient data to determine the Lack of Resilience Index score for **Tonga**.
There was insufficient data to determine the Lack of Resilience Index score for **American Samoa**.

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
	30-Apr-1919 00:07:00	8.30	25	TONGA ISLANDS	19° S / 172.5° W
	01-Jan-1919 00:02:00	8.30	180	FIJI ISLANDS	19.5° S / 176.5° 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
	04-Jan-1903 00:05:00	8.00	400	TONGA ISLANDS	20° S / 175° W

Source: [Earthquakes](#)

Volcanic Eruptions:






5 Largest Volcanic Eruptions (Last updated in 2000)

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

Event	FONUALEI Name	11-Jul-1973 00:00:00 Date (UTC)	3.00 Volcanic Explosivity Index	TONGA-SW PACIFIC Location	18.01° S / 174.32° W Lat/Long
	NIUAFO'OU	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
	METIS SHOAL	06-Jun-1995 00:00:00	2.00	TONGA-SW PACIFIC	19.18° S / 174.86° W
	METIS SHOAL	10-May-1979 00:00:00	2.00	TONGA-SW PACIFIC	19.18° S / 174.86° 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	-	-	17.91° S / 173.37° 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	-	-	18.44° S / 175.49° 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.

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