Pacific Disaster Center *Area Brief: General Executive Summary*	HONOLULU	WASH.D.C.	ZULU	NAIROBI	BANGKOK	APIA
	02:10:58 10 Nov 2016	07:10:58 10 Nov 2016	12:10:58 10 Nov 2016	15:10:58 10 Nov 2016	19:10:58 10 Nov 2016	02:10:58 11 Nov 2016

Region Selected » Lower Left Latitude/Longitude: -19.4577 N˚ , -176.2688 E˚
Upper Right Latitude/Longitude: -13.457699999999999 N˚ , -170.2688 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:

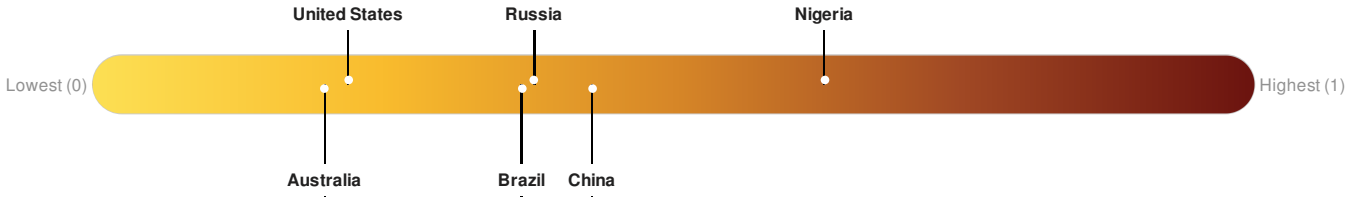
Recent Earthquakes

Event	Severity	Date (UTC)	Magnitude	Depth (km)	Location	Lat/Long
		10-Nov-2016 12:10:18	5	10	76km SE of Hihifo, Tonga	16.46° S / 173.27° 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 **Samoa**. 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 **Samoa**.

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

Source: PDC

Regional Overview

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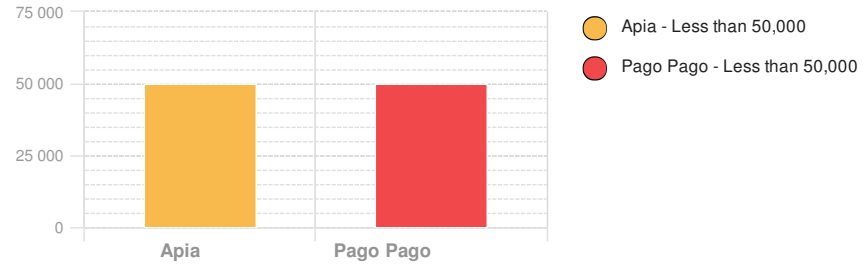
Population Data:

2011

Total: 286, 615
Max Density: 10, 806(ppl/km^2)

Populated Areas:



Source: iSciences

Risk & Vulnerability

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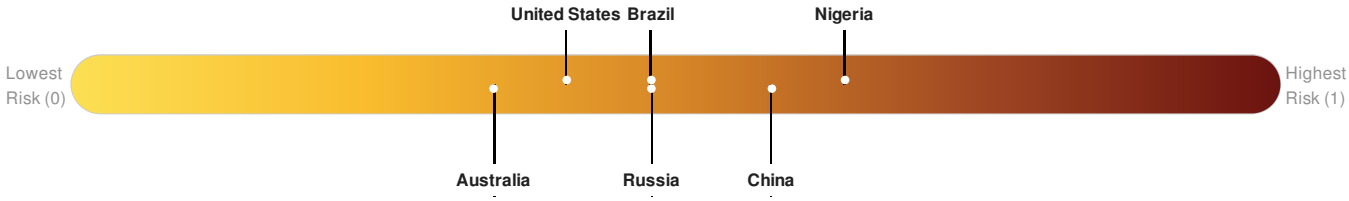
Multi Hazard Risk Index:

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**.

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



Source: PDC

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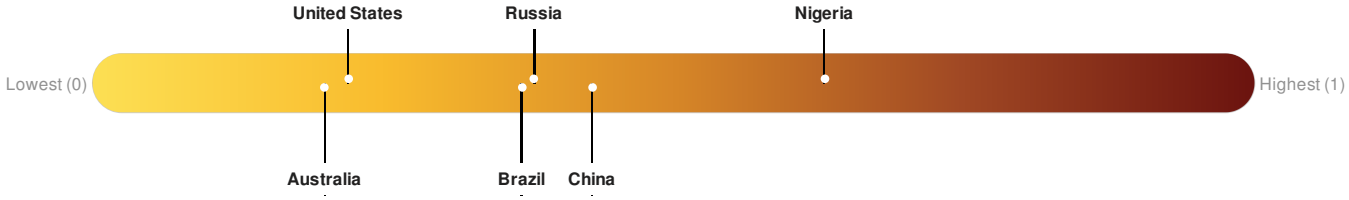

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Source: PDC

Historical Hazards

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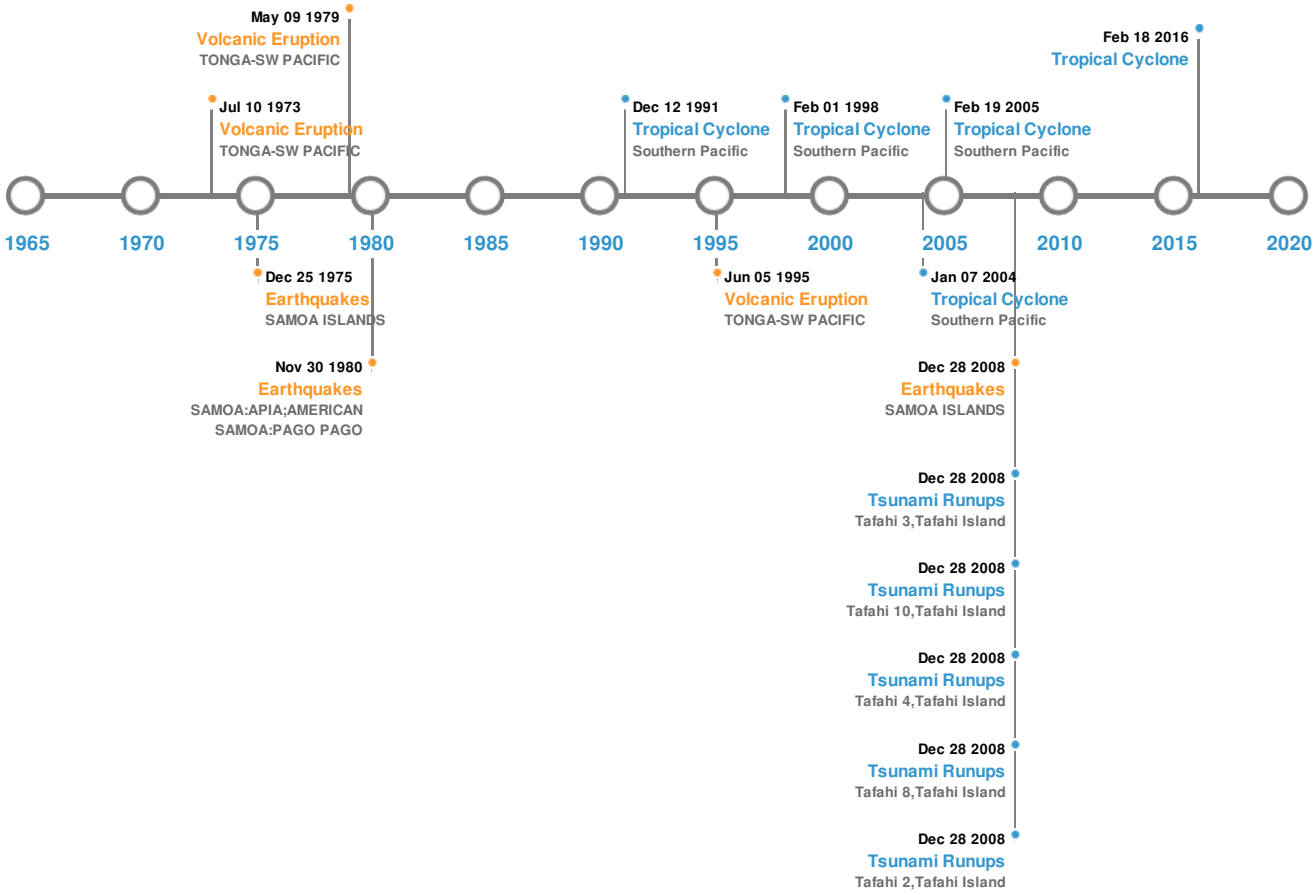
Historical Hazards:



Earthquakes:

5 Largest Earthquakes (Resulting in significant damage or deaths)

Event	Date (UTC)	Magnitude	Depth (Km)	Location	Lat/Long
	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
	FONUALEI	11-Jul-1973 00:00:00	3.00	TONGA-SW PACIFIC	18.01° S / 174.32° W
	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
	OLAF	13-Feb-2005 18:00:00 - 20-Feb-2005 06:00:00	167	No Data	Southern Pacific	21.58° S / 169.3° 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	-	-	17.68° S / 172.79° 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

Source: Tropical Cyclones

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.