

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:

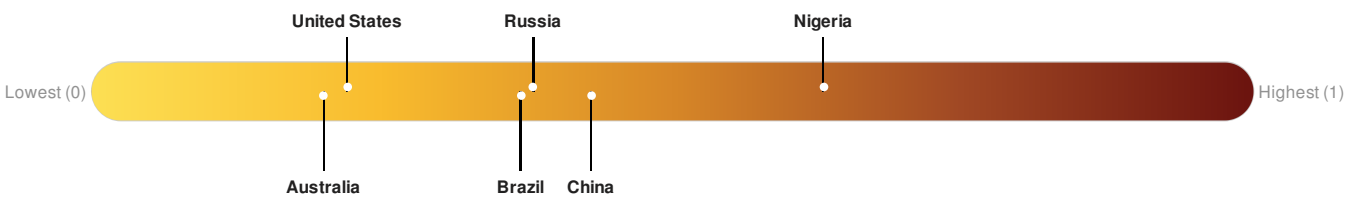
Recent Earthquakes

Event	Severity	Date (UTC)	Magnitude	Depth (km)	Location	Lat/Long
		29-Sep-2016 00:11:56	-	-	-	15.77° N / 147.46° E

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 **Guam**. There was insufficient data to determine the Lack of Resilience Index score for **Northern Mariana Is..**



There was insufficient data to determine the Lack of Resilience Index score for **Guam**.
 There was insufficient data to determine the Lack of Resilience Index score for **Northern Mariana Is..**

Source: [PDC](#)

Regional Overview

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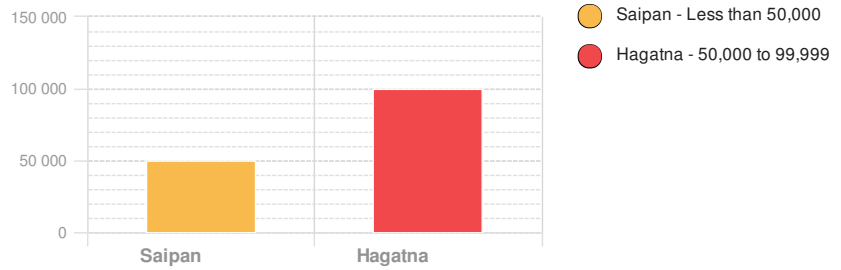
Population Data:

Populated Areas:

2011

Total: 258, 423

Max Density: 15, 824 (ppl/km²)



Source: [iSciences](#)

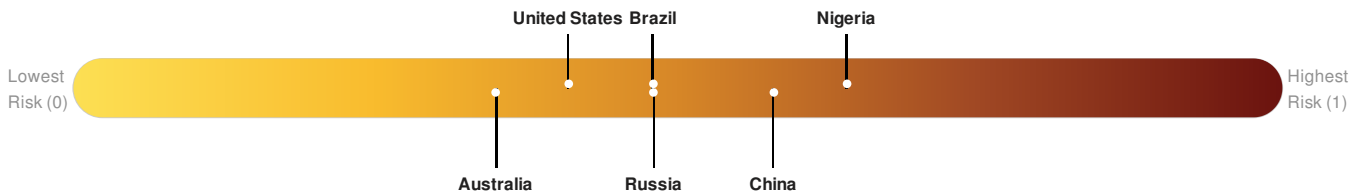
Risk & Vulnerability

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Multi Hazard Risk Index:

There was insufficient data to determine the Multi Hazard Risk Index score for **Northern Mariana Is..**

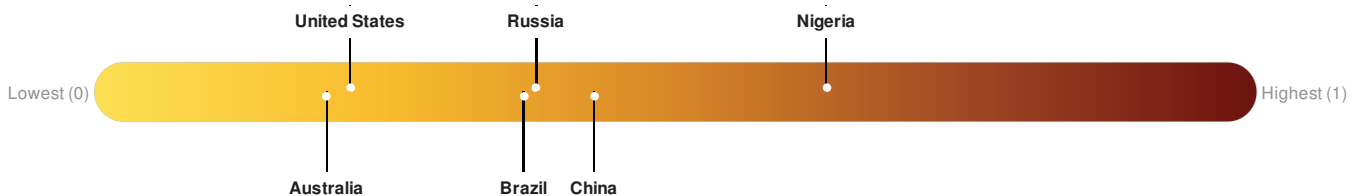
There was insufficient data to determine the Multi Hazard Risk Index score for **Guam.**



Source: [PDC](#)

Lack of Resilience Index:

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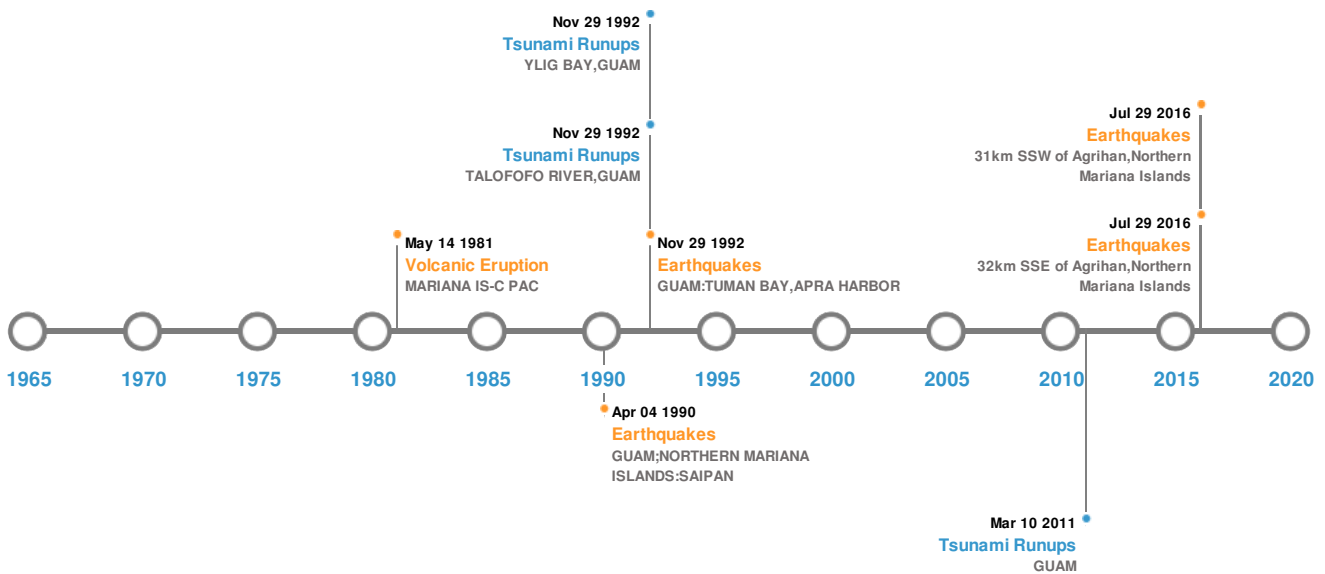
There was insufficient data to determine the Lack of Resilience Index score for **Northern Mariana Is..**

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
	22-Sep-1902 00:01:00	8.10	33	GUAM: AGANA	18° N / 146° E
	08-Aug-1993 00:08:00	7.80	59	GUAM: TUMAN BAY, APRA HARBOR	12.98° N / 144.8° E
	29-Jul-2016 21:18:25	7.70	212.43	31km SSW of Agrihan, Northern Mariana Islands	18.52° N / 145.53° E
	29-Jul-2016 21:18:24	7.70	188	32km SSE of Agrihan, Northern Mariana Islands	18.5° N / 145.8° E
	05-Apr-1990 00:21:00	7.50	11	GUAM: NORTHERN MARIANA ISLANDS: SAIPAN	15.13° N / 147.6° E

Source: [Earthquakes](#)

Volcanic Eruptions:

5 Largest Volcanic Eruptions (Last updated in 2000)

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	AGRIGAN	09-Apr-1917 00:00:00	4.00	MARIANA IS-C PAC	18.76° N / 145.66° E
	PAGAN, MOUNT	15-May-1981 00:00:00	3.00	MARIANA IS-C PAC	18.13° N / 145.8° E
	PAGAN, MOUNT	03-Mar-1923 00:00:00	3.00	MARIANA IS-C PAC	18.13° N / 145.8° E

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	PAGAN, MOUNT	01-Jan-1873 00:00:00	3.00	MARIANA IS-C PAC	18.13° N / 145.8° E
	ESMERALDA BANK	14-Apr-1964 00:00:00	2.00	MARIANA IS-C PAC	15° N / 145.25° E

Source: [Volcanoes](#)

Tsunami Runups:






5 Largest Tsunami Runups

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	11-Mar-2011 00:00:00	USA TERRITORY	-	-	GUAM	- / -
	25-Jan-1849 00:00:00	USA TERRITORY	6.1	-	AGAT, GUAM	13.38° N / 144.66° E
	25-Jan-1849 00:00:00	USA TERRITORY	3.5	-	INARAJAN, GUAM	13.28° N / 144.74° E
	08-Aug-1993 00:00:00	USA TERRITORY	2.4	-	TALOFOFO RIVER, GUAM	13.33° N / 144.77° E
	08-Aug-1993 00:00:00	USA TERRITORY	1.8	-	YLIQ BAY, GUAM	13.39° N / 144.75° E

Source: [Tsunamis](#)

Tropical Cyclones:

5 Largest Tropical Cyclones

Event	Name	Start/End Date(UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Location	Lat/Long
	VIOLET	04-Oct-1961 06:00:00 - 11-Oct-1961 12:00:00	207	No Data	Western Pacific	30.93° N / 142.35° E
	IDA	20-Sep-1958 18:00:00 - 27-Sep-1958 18:00:00	201	No Data	Western Pacific	26.88° N / 140.85° E
	SALLY	03-Sep-1964 06:00:00 - 11-Sep-1964 12:00:00	196	No Data	Western Pacific	18.13° N / 133.15° E
	VERA	22-Sep-1959 00:00:00 - 28-Sep-1959 12:00:00	190	No Data	Western Pacific	28.93° N / 150.95° E
	SARAH	11-Sep-1959 06:00:00 - 19-Sep-1959 18:00:00	190	No Data	Western Pacific	30.75° N / 135.65° E

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.

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