Pacific Disaster Center
Area Brief: General Executive Summary

HONOLULU	WASH.D.C.	ZULU	NAIROBI	BANGKOK	SYDNEY
04:26:50	10:26:50	14:26:50	17:26:50	21:26:50	01:26:50
23 Oct 2017	23 Oct 2017	23 Oct 2017	23 Oct 2017	23 Oct 2017	24 Oct 2017

Region Selected »   Lower Left Latitude/Longitude: 18.5 N˚ , -159.0 E˚
Upper Right Latitude/Longitude: 24.5 N˚ , -153.0 E˚

Legend

Population Density (person/sqkm)

0   170,000

Flood - Watch (Hawaiian...
Location: **21.5° N, 155.5° W**
Severity Level: **Watch**

Highwind - Watch (Hawaiian...
Location: **21.5° N, 156° W**
Severity Level: **Watch**

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.
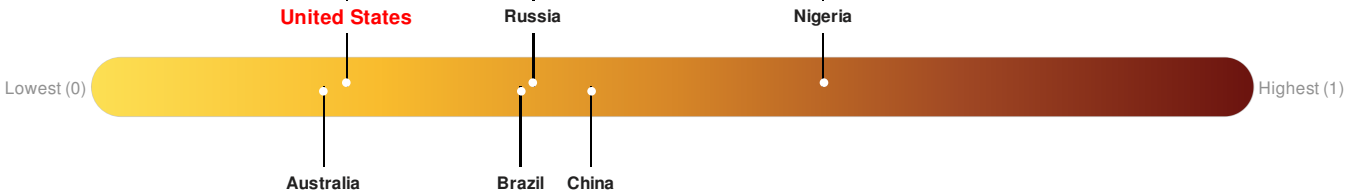
Current Hazards:

Active High Winds

Event	Severity	Date (UTC)	Name	Lat/Long
		22-Oct-2017 13:39:26	Highwind - Watch (Hawaiian Islands)	21.5° N / 156° W

Active Floods

Event	Severity	Date (UTC)	Name	Lat/Long
		22-Oct-2017 13:35:35	Flood - Watch (Hawaiian Islands)	21.5° N / 155.5° 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. **United States** ranks **149** out of **165** on the Lack of Resilience index with a score of 0.22.

Lowest (0)   Highest (1)

United States   Russia   Nigeria

Australia   Brazil   China

United States ranks **149** out of **165** on the Lack of Resilience Index. Based on the sub-component scores related to Vulnerability and Coping Capacity, the three thematic areas with the weakest relative scores are Recent Disaster Impacts, Environmental Stress and Economic Constraints.

Source: PDC

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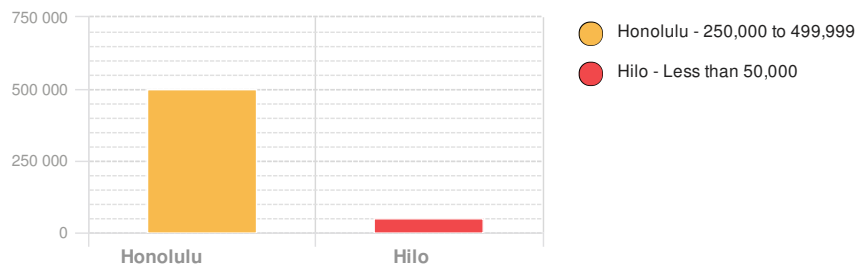
Population Data:

2011

Total: 1, 222, 554
Max Density: 23, 598 (ppl/km^2)

Source: iSciences

Populated Areas:

○ Honolulu - 250,000 to 499,999

○ Hilo - Less than 50,000

Risk & Vulnerability

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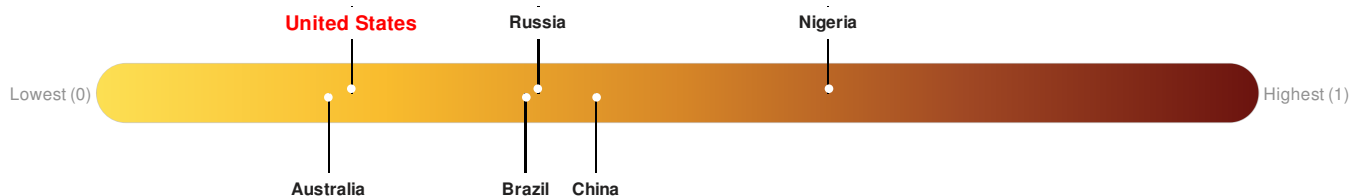
Multi Hazard Risk Index:

United States ranks **121** out of **165** on the Multi-Hazard Risk Index with a score of 0.41. United States is estimated to have relatively high overall exposure, low vulnerability, and very high coping capacity.
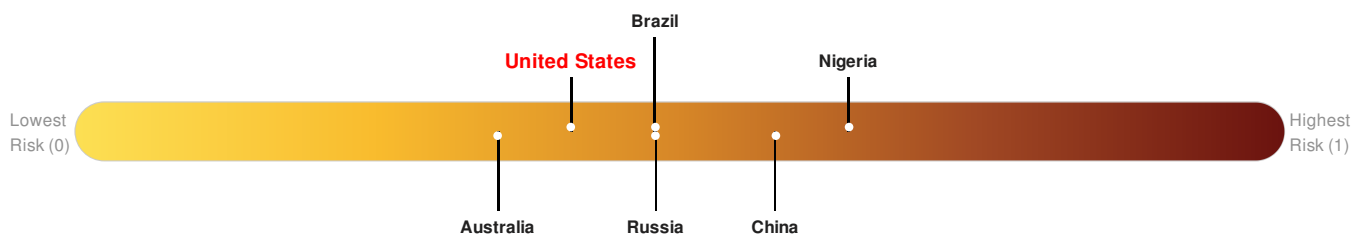
Source: PDC

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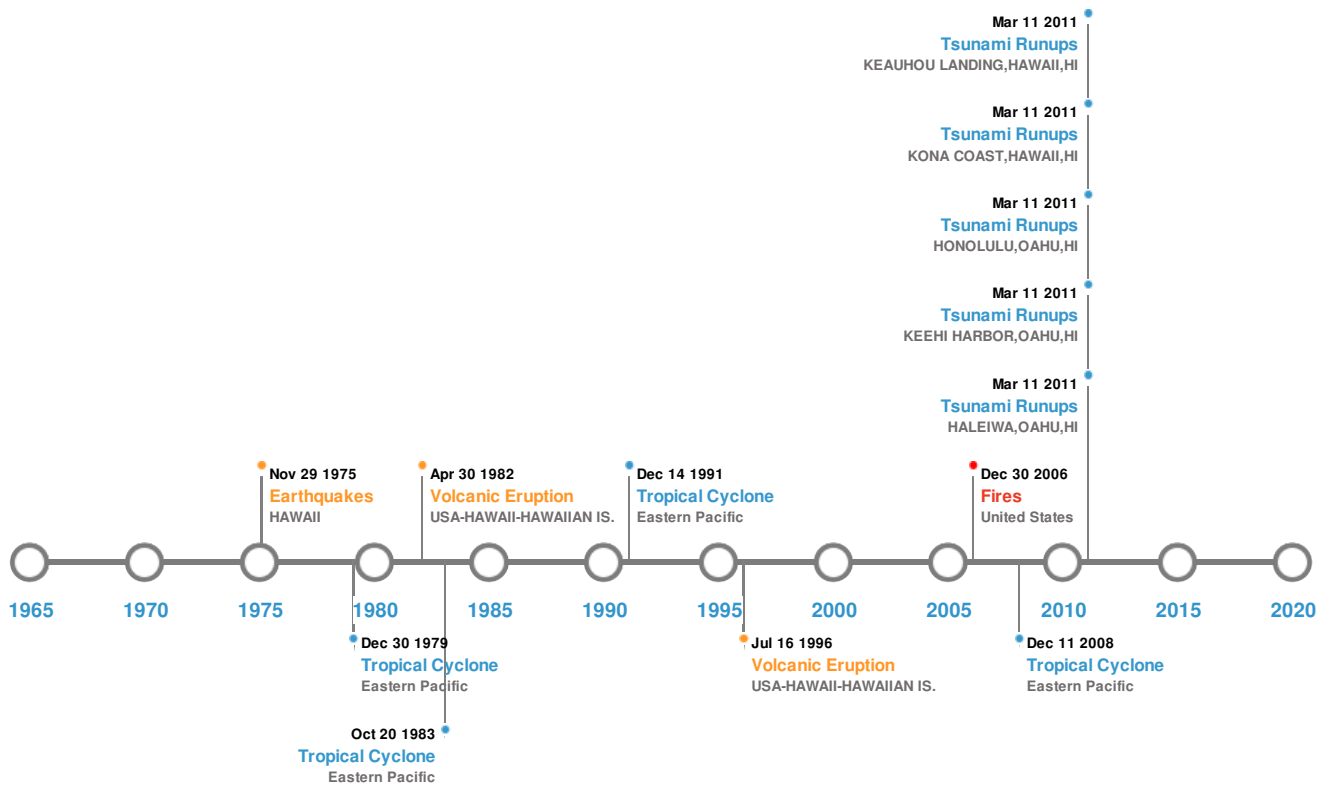

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Historical Hazards:

Mar 11 2011
Tsunami Runups
KEAUHOU LANDING,HAWAII,HI

Mar 11 2011
Tsunami Runups
KONA COAST,HAWAII,HI

Mar 11 2011
Tsunami Runups
HONOLULU,OAHU,HI

Mar 11 2011
Tsunami Runups
KEEHI HARBOR,OAHU,HI

Mar 11 2011
Tsunami Runups
HALEIWA,OAHU,HI

Nov 29 1975
Earthquakes
HAWAII

Apr 30 1982
Volcanic Eruption
USA-HAWAII-HAWAIIAN IS.

Dec 14 1991
Tropical Cyclone
Eastern Pacific

Dec 30 2006
Fires
United States

| 1965 | 1970 | 1975 | 1980 | 1985 | 1990 | 1995 | 2000 | 2005 | 2010 | 2015 | 2020 |

Dec 30 1979
Tropical Cyclone
Eastern Pacific

Jul 16 1996
Volcanic Eruption
USA-HAWAII-HAWAIIAN IS.

Dec 11 2008
Tropical Cyclone
Eastern Pacific

Oct 20 1983
Tropical Cyclone
Eastern Pacific

Earthquakes:

5 Largest Earthquakes (Resulting in significant damage or deaths)					
Event	Date (UTC)	Magnitude	Depth (Km)	Location	Lat/Long
	03-Apr-1868 00:02:00	7.90	-	HAWAII	19° N / 155.5° W
	29-Nov-1975 00:14:00	7.10	5	HAWAII	19.33° N / 155.02° W
	20-Feb-1871 00:08:00	7.00	-	HAWAII	20.7° N / 157° W
	21-Aug-1951 00:10:00	6.90	60	HAWAII	19.7° N / 156° W
	21-Sep-1908 00:06:00	6.80	33	HAWAII	19.5° N / 155.4° W

Source: Earthquakes

Volcanic Eruptions:

5 Largest Volcanic Eruptions (Last updated in 2000)					
Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	LOIHI SEAMOUNT	16-Jul-1996 00:00:00	2.00	USA-HAWAII-HAWAIIAN IS.	18.92° N / 155.27° W

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	KILAUEA	30-Apr-1982 00:00:00	2.00	USA-HAWAII-HAWAIIAN IS.	19.42° N / 155.29° W
	KILAUEA	21-Aug-1963 00:00:00	2.00	USA-HAWAII-HAWAIIAN IS.	19.42° N / 155.29° W
	KILAUEA	13-Jan-1960 00:00:00	2.00	USA-HAWAII-HAWAIIAN IS.	19.42° N / 155.29° W
	KILAUEA	14-Nov-1959 00:00:00	2.00	USA-HAWAII-HAWAIIAN IS.	19.42° N / 155.29° W

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	-	-	HALEIWA, OAHU, HI	- / -
	11-Mar-2011 00:00:00	USA	-	-	KEEHI HARBOR, OAHU, HI	- / -
	11-Mar-2011 00:00:00	USA	-	-	HONOLULU, OAHU, HI	- / -
	11-Mar-2011 00:00:00	USA	-	-	KONA COAST, HAWAII, HI	- / -
	11-Mar-2011 00:00:00	USA	-	-	KEAUHOU LANDING, HAWAII, HI	- / -

Source: *Tsunamis*

Wildfires:

5 Largest Wildfires

Event	Start/End Date(UTC)	Size (sq. km.)	Location	Mean Lat/Long
	01-Jun-2007 00:00:00 - 30-Aug-2007 00:00:00	8.90	United States	19.38° N / 155.07° W

Source: *Wildfires*

Tropical Cyclones:

5 Largest Tropical Cyclones

Event	Name	Start/End Date(UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Location	Lat/Long
	DOT	02-Aug-1959 00:00:00 - 08-Aug-1959 06:00:00	150	No Data	Eastern Pacific	18.77° N / 152.1° W
	RAYMOND	08-Oct-1983 12:00:00 - 20-Oct-1983 18:00:00	144	No Data	Eastern Pacific	16.63° N / 131.95° W
	ORLENE	03-Sep-1992 00:00:00 - 14-Sep-1992 18:00:00	144	934	Eastern Pacific	15.88° N / 128.85° W

Event	Name	Start/End Date(UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Location	Lat/Long
	KAY	16-Sep-1980 12:00:00 - 30-Sep-1980 12:00:00	138	No Data	Eastern Pacific	19.02° N / 130.8° W
	FELICIA	04-Aug-2009 09:00:00 - 11-Aug-2009 11:00:00	138	No Data	Eastern Pacific	16.08° N / 138.7° W

Source: Tropical Cyclones