



Pacific Disaster Center
Area Brief: General Executive Summary

HONOLULU
 11:45:11
 28 Sep 2016

MANAGUA
 15:45:11
 28 Sep 2016

WASH.D.C.
 17:45:11
 28 Sep 2016

ZULU
 21:45:11
 28 Sep 2016

NAIROBI
 00:45:11
 29 Sep 2016

BANGKOK
 04:45:11
 29 Sep 2016

Region Selected » Lower Left Latitude/Longitude: 9.4456 N° , -89.5337 E°
 Upper Right Latitude/Longitude: 15.4456 N° , -83.5337 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
		28-Sep-2016 17:07:51	5.5	7.5	19km NE of La Paz Centro, Nicaragua	12.45° N / 86.53° W

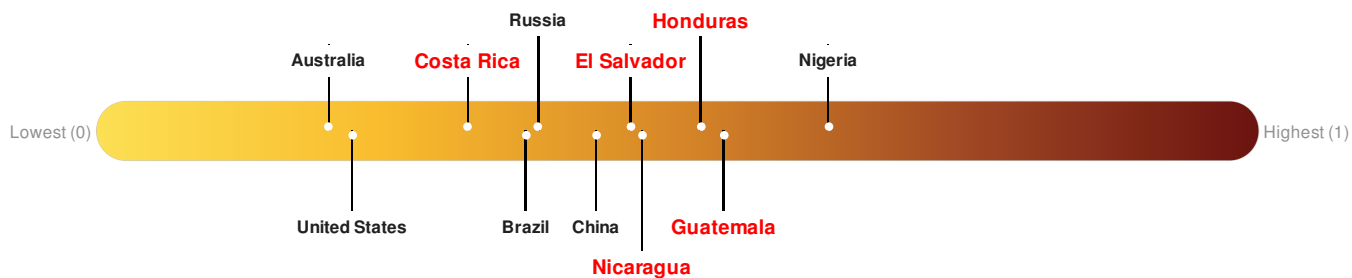
Active Volcanoes

Event	Severity	Last Updated (UTC)	Name	Region	Primary Observatory	Activity	More Information	Lat/Long
		01-Oct-2009 00:04:59	Volcano - Turrialba, Costa Rica	Costa Rica	OVSICORI-UNA, Costa Rica	New Activity	more info	10.03° N / 83.77° 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. **Costa Rica** ranks **120** out of **165** on the Lack of Resilience index with a score of 0.32. **El Salvador** ranks **64** out of **165** on the Lack of Resilience index with a score of 0.46. **Guatemala** ranks **44** out of **165** on the Lack of Resilience index with a score of 0.54. **Honduras** ranks **49** out of **165** on the Lack of Resilience index with a score of 0.52. **Nicaragua** ranks **64** out of **165** on the Lack of Resilience index with a score of 0.47.



Costa Rica ranks **120** 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 Population Pressures, Infrastructure and Environmental Capacity.

El Salvador ranks **64** 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 Environmental Capacity, Recent Disaster Impacts and Info Access Vulnerability.

Guatemala ranks **44** 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 Population Pressures, Info Access Vulnerability and Governance.

Honduras ranks **49** 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 Marginalization, Infrastructure and Info Access Vulnerability.

Nicaragua ranks **64** 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 Info Access Vulnerability, Infrastructure and Governance.

Source: [PDC](#)

Regional Overview

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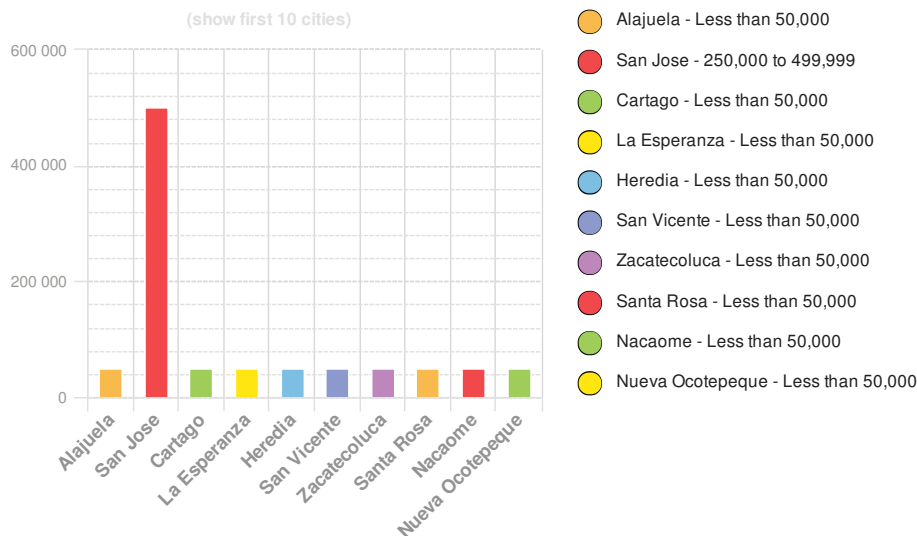
Population Data:

2011

Total: 21,099,502
Max Density: 57,050 (ppl/km²)

Source: [iSciences](#)

Populated Areas:



Risk & Vulnerability

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Multi Hazard Risk Index:

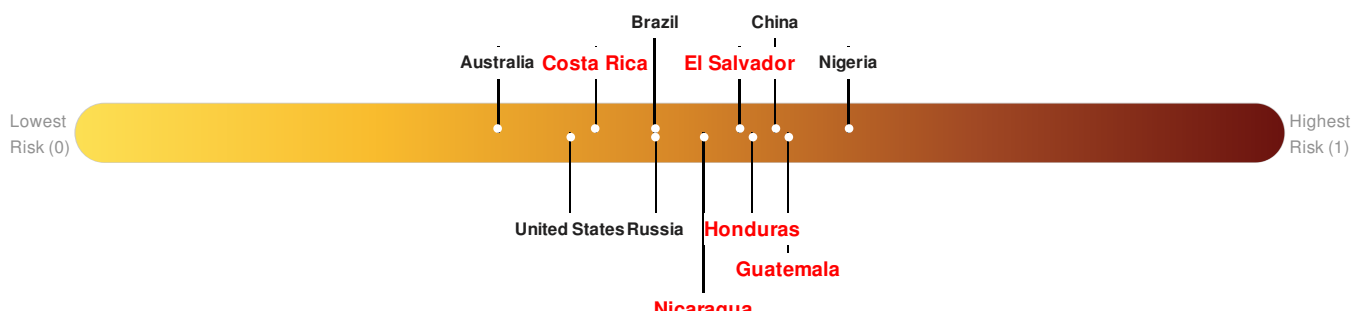
Costa Rica ranks **112** out of **165** on the Multi-Hazard Risk Index with a score of 0.43. Costa Rica is estimated to have relatively high overall exposure, low vulnerability, and high coping capacity.

El Salvador ranks **48** out of **165** on the Multi-Hazard Risk Index with a score of 0.55. El Salvador is estimated to have relatively high overall exposure, medium vulnerability, and medium coping capacity.

Guatemala ranks **28** out of **165** on the Multi-Hazard Risk Index with a score of 0.59. Guatemala is estimated to have relatively high overall exposure, medium vulnerability, and medium coping capacity.

Honduras ranks **40** out of **165** on the Multi-Hazard Risk Index with a score of 0.56. Honduras is estimated to have relatively high overall exposure, medium vulnerability, and medium coping capacity.

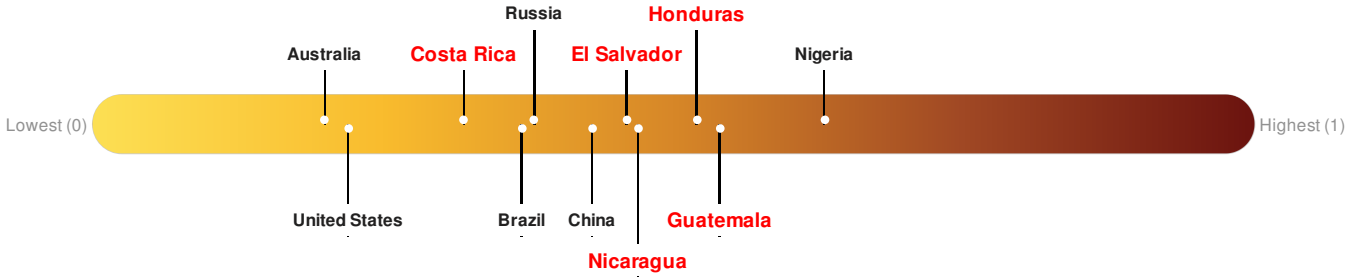
Nicaragua ranks **66** out of **165** on the Multi-Hazard Risk Index with a score of 0.52. Nicaragua is estimated to have relatively high overall exposure, medium vulnerability, and medium coping capacity.



Source: [PDC](#)

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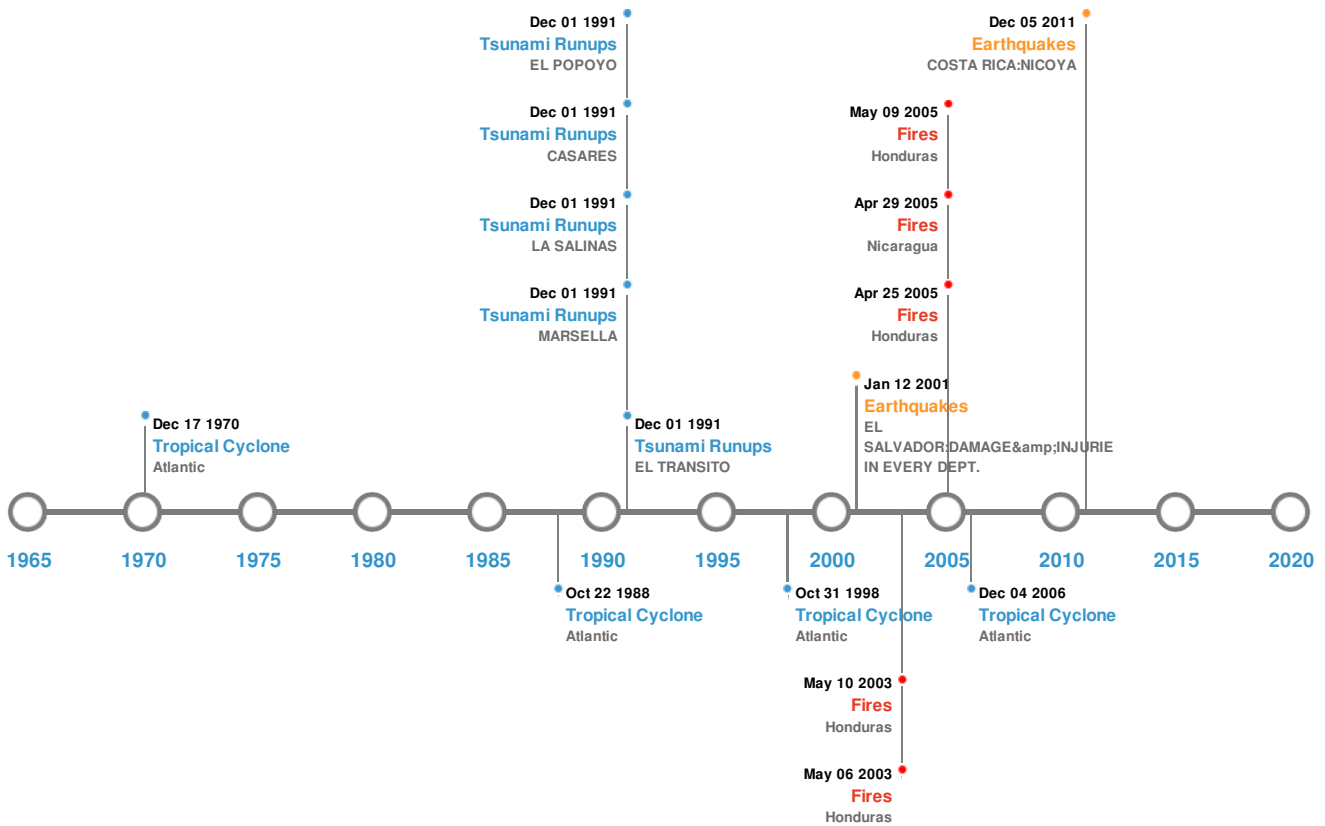
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Source: [PDC](#)

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
	07-Sep-1915 00:01:00	7.90	80	GUATEMALA	14° N / 89° W
	29-Apr-1898 00:16:00	7.90	33	NICARAGUA: LEON, CHINANDEGA, MANAGUA	12° N / 86° W
	13-Jan-2001 00:17:00	7.70	60	EL SALVADOR: DAMAGE & INJURIES IN EVERY DEPT.	13.05° N / 88.66° W
	05-Oct-1950 00:16:00	7.70	60	NICARAGUA	11° N / 85° W
	05-Sep-2012 14:42:07	7.60	35	COSTA RICA: NICOYA	10.08° N / 85.31° W

Source: [Earthquakes](#)

Volcanic Eruptions:

5 Largest Volcanic Eruptions (Last updated in 2000)

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	ILOPANGO	01-Jan-0260 00:00:00	6.00	EL SALVADOR	13.67° N / 89.05° W

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	COSIGUINA	20-Jan-1835 00:00:00	5.00	NICARAGUA	12.98° N / 87.56° W
	SAN SALVADOR	01-Jan-1671 00:00:00	4.00	EL SALVADOR	13.74° N / 89.29° W
	SAN SALVADOR	01-Jan-1575 00:00:00	4.00	EL SALVADOR	13.74° N / 89.29° W
	MIRAVALLS	01-Jan-1525 00:00:00	4.00	COSTA RICA	10.75° N / 85.15° W

Source: [Volcanoes](#)

Tsunami Runups:

5 Largest Tsunami Runups

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	02-Sep-1992 00:00:00	NICARAGUA	9.9	170	EL TRANSITO	12.05° N / 86.7° W
	02-Sep-1992 00:00:00	NICARAGUA	8	-	MARSELLA	11.25° N / 85.9° W
	02-Sep-1992 00:00:00	NICARAGUA	6.5	-	LA SALINAS	11.3° N / 85.92° W
	02-Sep-1992 00:00:00	NICARAGUA	6	-	CASARES	11.65° N / 86.35° W
	02-Sep-1992 00:00:00	NICARAGUA	6	-	EL POPOYO	11.3° N / 86° W

Source: [Tsunamis](#)

Wildfires:


5 Largest Wildfires





Event	Start/End Date(UTC)	Size (sq. km.)	Location	Mean Lat/Long
	22-Mar-2003 00:00:00 - 11-May-2003 00:00:00	20.30	Honduras	14.38° N / 85.67° W
	19-Mar-2003 00:00:00 - 07-May-2003 00:00:00	13.60	Honduras	14.08° N / 85.67° W
	27-Mar-2005 00:00:00 - 10-May-2005 00:00:00	12.40	Honduras	14.32° N / 85.63° W
	09-Mar-2005 00:00:00 - 30-Apr-2005 00:00:00	12.30	Nicaragua	13.9° N / 86.06° W
	22-Mar-2005 00:00:00 - 26-Apr-2005 00:00:00	11.60	Honduras	14.39° N / 86.17° 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
	MITCH	22-Oct-1998 06:00:00 - 09-Nov-1998 18:00:00	178	905	Atlantic	37.16° N / 49.35° W

Event	Name	Start/End Date(UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Location	Lat/Long
	FELIX	01-Sep-2007 00:00:00 - 05-Sep-2007 09:00:00	167	929	Atlantic	12.69° N / 72.8° W
	EDITH	06-Sep-1971 00:00:00 - 18-Sep-1971 06:00:00	161	No Data	Atlantic	22.23° N / 77.9° W
	UNNAMED	21-Aug-1949 12:00:00 - 05-Nov-1949 00:00:00	150	No Data	Atlantic	35.8° N / 61.95° W
	JOAN	11-Oct-1988 00:00:00 - 23-Oct-1988 06:00:00	144	932	Atlantic	10.35° N / 64.5° 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.

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