Pacific Disaster Center *Area Brief: General Executive Summary*	HONOLULU 19:54:08 25 Sep 2017	GUATEMALA 23:54:08 25 Sep 2017	WASH.D.C. 01:54:08 26 Sep 2017	ZULU 05:54:08 26 Sep 2017	NAIROBI 08:54:08 26 Sep 2017	BANGKOK 12:54:08 26 Sep 2017

Region Selected » Lower Left Latitude/Longitude: 12.1162 N˚ , -97.057 E˚
Upper Right Latitude/Longitude: 18.1162 N˚ , -91.057 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:

Active Floods

Event	Severity	Date (UTC)	Name	Lat/Long
		14-Sep-2017 03:16:42	Flood - Western Guatemala	15.68° N / 91.58° W

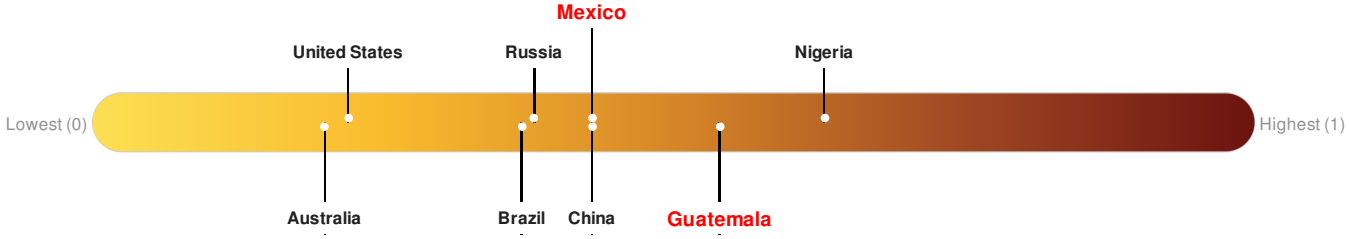
Recent Earthquakes

Event	Severity	Date (UTC)	Magnitude	Depth (km)	Location	Lat/Long
		24-Sep-2017 10:26:31	5.7	60.06	71km SSW of Paredon, Mexico	15.4° N / 94.01° W
		19-Sep-2017 08:14:40	5.5	16.18	100km SW of Tres Picos, Mexico	15.12° N / 94.06° 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. **Guatemala** ranks **44** out of **165** on the Lack of Resilience index with a score of 0.54. **Mexico** ranks **82** out of **165** on the Lack of Resilience index with a score of 0.43.



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.

Mexico ranks **82** 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 Governance, Marginalization and Infrastructure.

Source: PDC

Regional Overview

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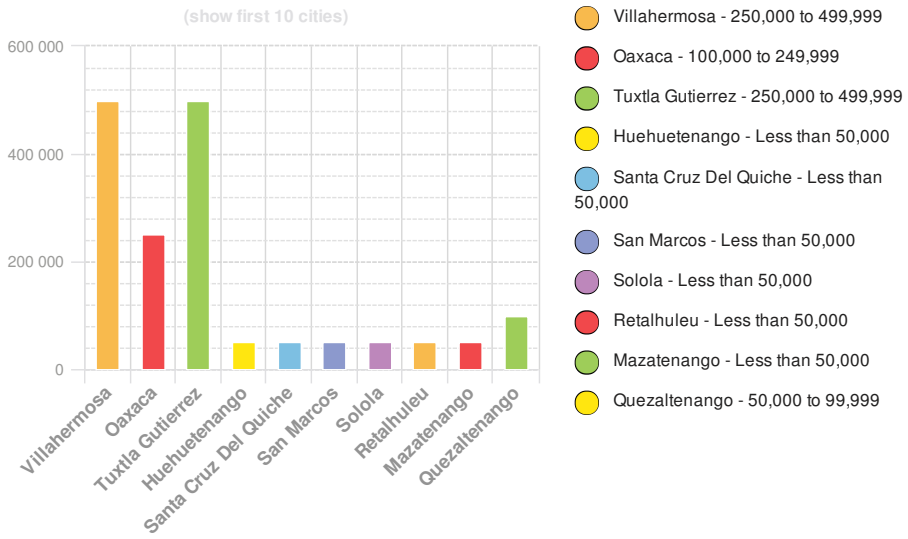
Population Data:

2011

Total: 14, 114, 778
Max Density: 49, 251 (ppl/km^2)

Source: iSciences

Populated Areas:



Risk & Vulnerability

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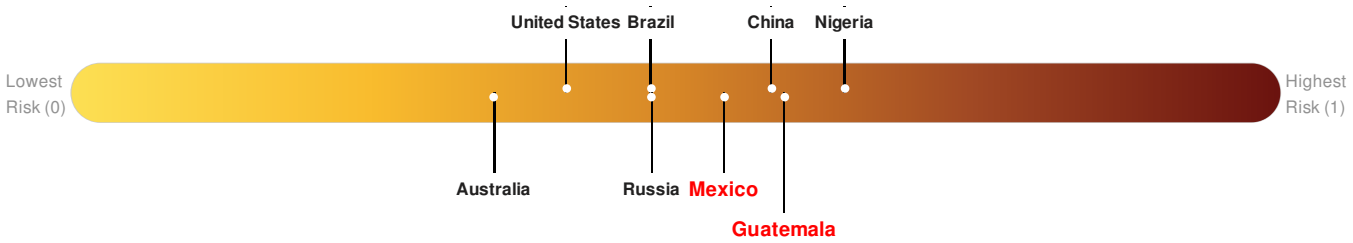
Multi Hazard Risk Index:

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.

Mexico ranks **53** out of **165** on the Multi-Hazard Risk Index with a score of 0.54. Mexico is estimated to have relatively high overall exposure, medium vulnerability, and medium coping capacity.



Source: PDC

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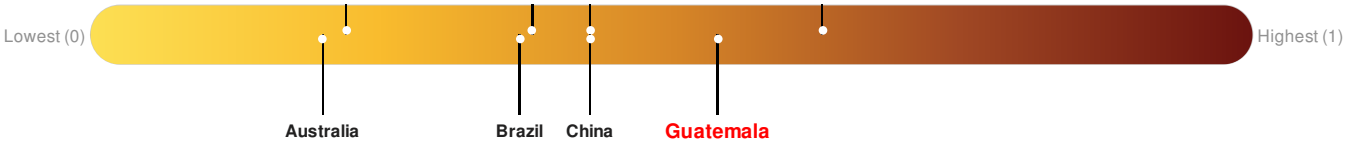

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Source: PDC

Historical Hazards

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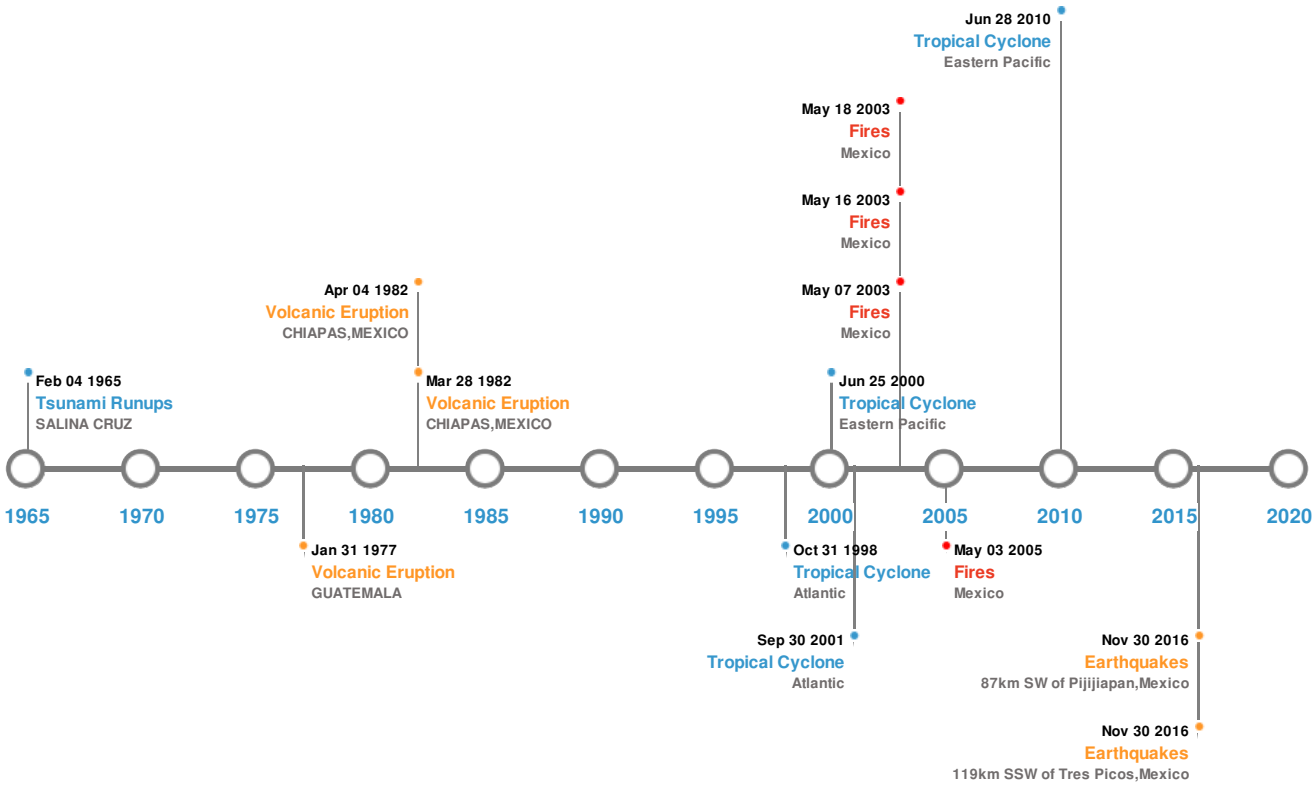
Historical Hazards:



Earthquakes:

5 Largest Earthquakes (Resulting in significant damage or deaths)

Event	Date (UTC)	Magnitude	Depth (Km)	Location	Lat/Long
	23-Sep-1902 00:20:00	8.40	100	MEXICO: VENUSTIANO CARRANZA,CHIAPAS,CHIS,TABASCO	16.6° N / 92.6° W
	08-Sep-2017 04:49:21	8.10	69.65	87km SW of Pijijiapan, Mexico	15.07° N / 93.72° W
	08-Sep-2017 04:49:17	8.00	33	119km SSW of Tres Picos, Mexico	14.9° N / 94.03° W
	15-Jan-1931 00:01:00	7.90	50	MEXICO: OAXACA	16.1° N / 96.8° W
	23-Aug-1965 00:19:00	7.80	28	MEXICO: OAXACA	16.3° N / 95.8° W

Source: Earthquakes

Volcanic Eruptions:

5 Largest Volcanic Eruptions (Last updated in 2000)

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	SANTA MARIA	24-Oct-1902 00:00:00	6.00	GUATEMALA	14.76° N / 91.55° W

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	EL CHICHON	04-Apr-1982 00:00:00	4.00	CHIAPAS, MEXICO	17.3° N / 93.22° W
	EL CHICHON	28-Mar-1982 00:00:00	4.00	CHIAPAS, MEXICO	17.3° N / 93.22° W
	ATITLAN	01-Jan-1469 00:00:00	4.00	GUATEMALA	14.58° N / 91.19° W
	SANTA MARIA	09-Feb-1977 00:00:00	3.00	GUATEMALA	14.76° N / 91.55° W

Source: Volcanoes

Tsunami Runups:

5 Largest Tsunami Runups

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	03-Apr-1787 00:00:00	MEXICO	4	-	POCHUTLA	15.73° N / 96.47° W
	03-Apr-1787 00:00:00	MEXICO	4	-	OAXACA COAST	15.8° N / 96.8° W
	22-May-1960 04:56:00	MEXICO	0.79	-	SALINA CRUZ	16.17° N / 95.2° W
	04-Nov-1952 06:40:00	MEXICO	0.6	-	SALINA CRUZ	16.17° N / 95.2° W
	04-Feb-1965 00:00:00	MEXICO	0.5	-	SALINA CRUZ	16.17° N / 95.2° W

Source: Tsunamis

Wildfires:

5 Largest Wildfires

Event	Start/End Date(UTC)	Size (sq. km.)	Location	Mean Lat/Long
	17-Mar-2003 00:00:00 - 18-May-2003 00:00:00	28.70	Mexico	17.07° N / 93.93° W
	11-Apr-2005 00:00:00 - 03-May-2005 00:00:00	15.80	Mexico	16.83° N / 94.25° W
	18-Mar-2003 00:00:00 - 16-May-2003 00:00:00	11.60	Mexico	16.49° N / 91.74° W
	23-Feb-2003 00:00:00 - 07-May-2003 00:00:00	10.60	Mexico	18.11° N / 91.75° 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
		22-Oct-1998 06:00:00 - 09-Nov-1998				

Event	Name	Start/End Date(UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Location	Lat/Long
	MITCH	18:00:00	178	905	Atlantic	37.16° N / 49.35° W
	CELIA	19-Jun-2010 12:00:00 - 28-Jun-2010 21:00:00	161	926	Eastern Pacific	13.29° N / 110.6° W
	CARLOTTA	19-Jun-2000 00:00:00 - 25-Jun-2000 06:00:00	155	932	Eastern Pacific	17.77° N / 105.65° W
	UNNAMED	21-Aug-1949 12:00:00 - 05-Nov-1949 00:00:00	150	No Data	Atlantic	35.8° N / 61.95° W
	IRIS	04-Oct-2001 18:00:00 - 09-Oct-2001 12:00:00	144	948	Atlantic	14.38° N / 75.05° 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.