Pacific Disaster Center
Area Brief: General Executive Summary

HONOLULU	HERMOSILLO	WASH.D.C.	ZULU	NAIROBI	BANGKOK
22:52:54	01:52:54	04:52:54	08:52:54	11:52:54	15:52:54
01 Oct 2018	02 Oct 2018	02 Oct 2018	02 Oct 2018	02 Oct 2018	02 Oct 2018

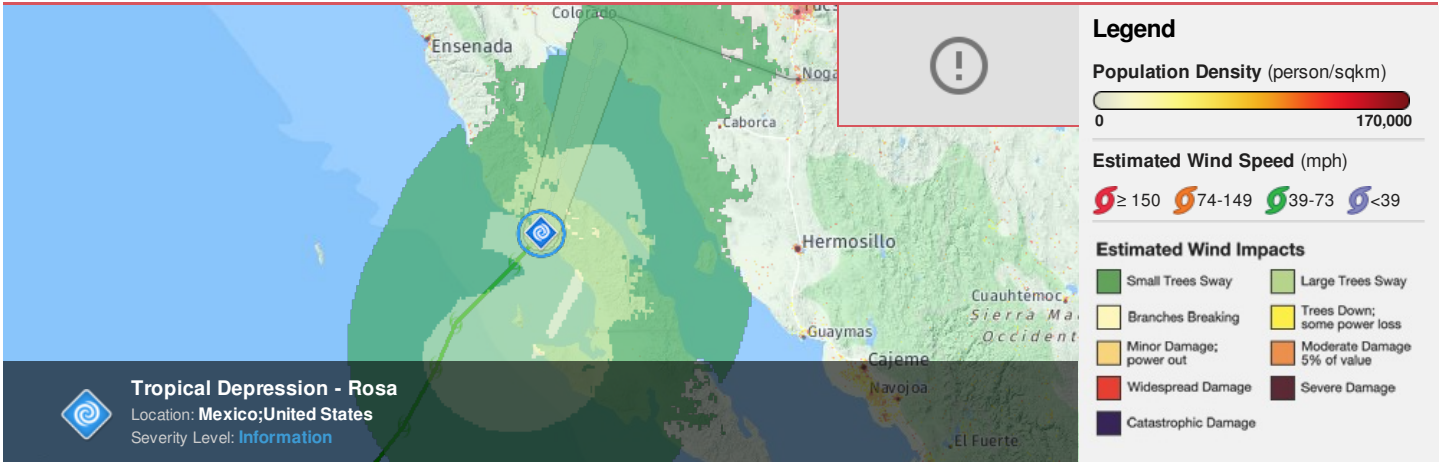**Region Selected »** Lower Left Latitude/Longitude: 26.3 N˚ , -117.9 E˚
Upper Right Latitude/Longitude: 32.3 N˚ , -111.9 E˚

Tropical Depression - Rosa
Location: **Mexico;United States**
Severity Level: **Information**

Legend

Population Density (person/sqkm)

0   170,000

Estimated Wind Speed (mph)

≥ 150   74-149   39-73   <39

Estimated Wind Impacts

- Small Trees Sway
- Large Trees Sway
- Branches Breaking
- Trees Down; some power loss
- Minor Damage; power out
- Moderate Damage 5% of value
- Widespread Damage
- Severe Damage
- Catastrophic Damage

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 Tropical Cyclones

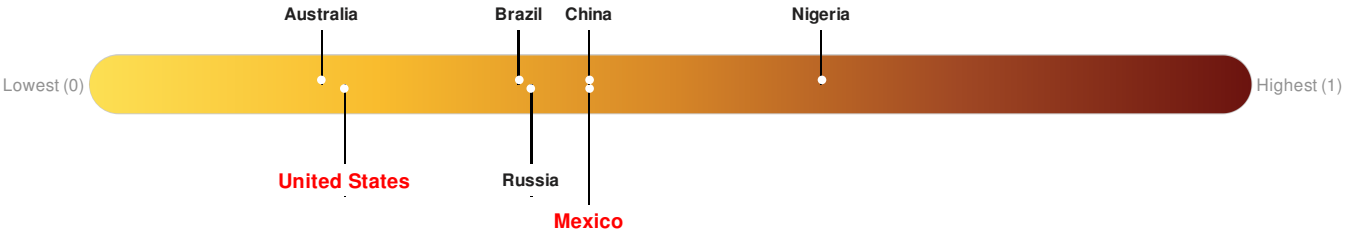| Event	Severity	Name	Wind Speed (mph)	Wind Gusts (mph)	Heading	Track Speed (mph)	Advisory Num	Status	Pressure (mb)	Lat/Long
		Tropical Depression - Rosa	35	46	NNE	10	29	Tropical Depression	1003 mb	29.3° N / 114.9° W

Source: PDC

Lack of Resilience Index:

The Lack of Resilience Index assesses the susceptibility to impact and the short-term inability to absorb, respond to, and recover from disruptions to a country's normal function.

Mexico ranks **82** out of **164** countries assessed for Lack of Resilience. Mexico is less resilient than 50% of countries assessed. This indicates that Mexico has medium susceptibility to negative impacts, and is less able to respond to and recover from a disruption to normal function.

United States ranks **149** out of **164** countries assessed for Lack of Resilience. United States is less resilient than 10% of countries assessed. This indicates that United States has low susceptibility to negative impacts, and is better able to respond to and recover from a disruption to normal function.

Australia   Brazil   China   Nigeria

Lowest (0)   Highest (1)

United States   Russia

Mexico

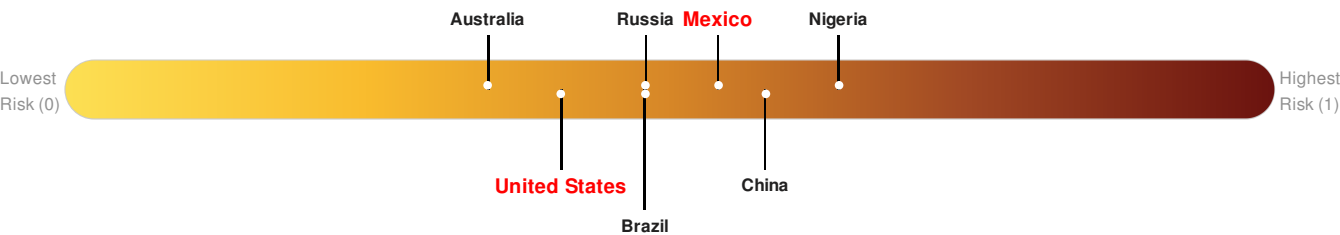*Source: PDC*

Regional Overview

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Population Data:

2011

Total: 753,734
Max Density: 18,205(ppl/km^2)

Populated Areas:

No significant land or population areas exist within the current map extent. Please use http://atlas.pdc.org/atlas/ for dynamic mapping capabilities.

Risk & Vulnerability

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Multi Hazard Risk Index:

The Multi Hazard Risk index assesses the likelihood of losses or disruptions to a country's normal function due to the interaction between exposure to multiple hazards (tropical cyclone winds, earthquake, flood and tsunami), socioeconomic vulnerability, and coping capacity

Mexico ranks **32** out of **164** countries assessed for Multi Hazard Risk. Mexico has a Multi Hazard Risk higher than 68% of countries assessed. This indicates that Mexico has a medium likelihood of loss and/or disruption to normal function if exposed to a hazard.

United States ranks **73** out of **164** countries assessed for Multi Hazard Risk. United States has a Multi Hazard Risk higher than 27% of countries assessed. This indicates that United States has a medium likelihood of loss and/or disruption to normal function if exposed to a hazard.
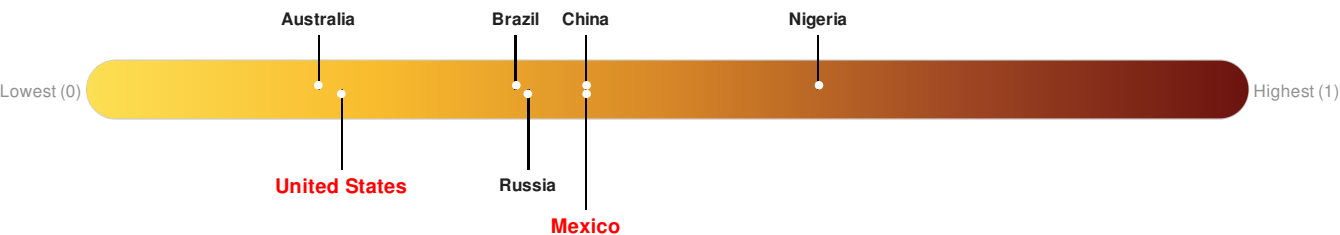
Lack of Resilience Index:

The Lack of Resilience Index assesses the susceptibility to impact and the short-term inability to absorb, respond to, and recover from disruptions to a country's normal function.

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United States ranks **149** out of **164** countries assessed for Lack of Resilience. United States is less resilient than 10% of countries assessed. This indicates that United States has low susceptibility to negative impacts, and is better able to respond to and recover from a disruption to normal function.
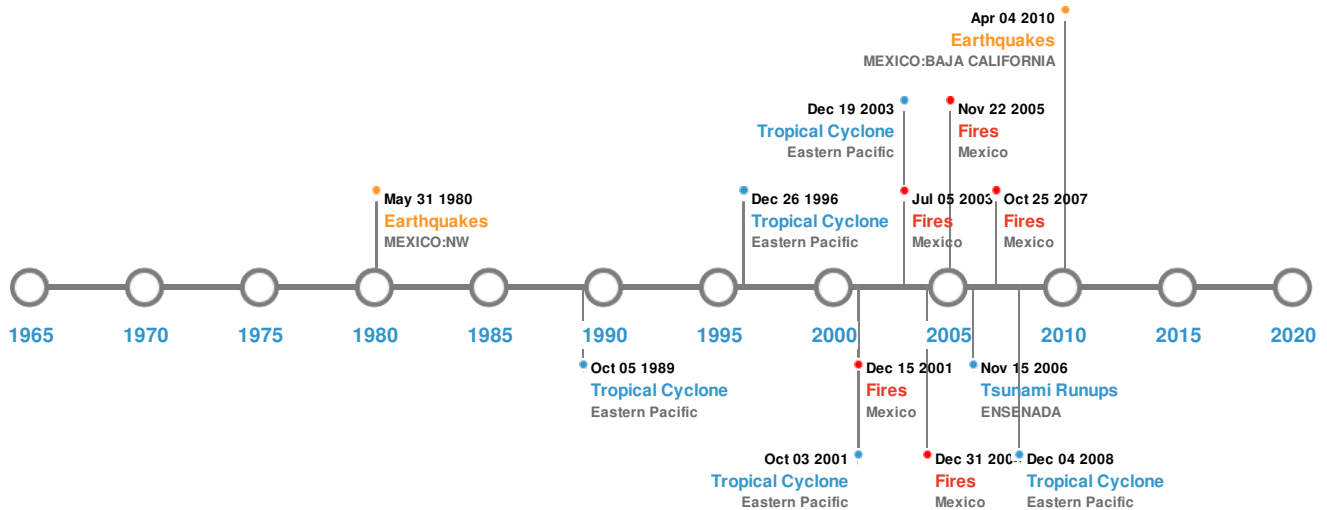
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Historical Hazards:

Apr 04 2010
Earthquakes
MEXICO:BAJA CALIFORNIA

Dec 19 2003
Tropical Cyclone
Eastern Pacific

Nov 22 2005
Fires
Mexico

May 31 1980
Earthquakes
MEXICO:NW

Dec 26 1996
Tropical Cyclone
Eastern Pacific

Jul 05 2003
Fires
Mexico

Oct 25 2007
Fires
Mexico

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

Oct 05 1989
Tropical Cyclone
Eastern Pacific

Dec 15 2001
Fires
Mexico

Nov 15 2006
Tsunami Runups
ENSENADA

Oct 03 2001
Tropical Cyclone
Eastern Pacific

Dec 31 2003
Fires
Mexico

Dec 04 2008
Tropical Cyclone
Eastern Pacific

Earthquakes:

	5 Largest Earthquakes (Resulting in significant damage or deaths)				
Event	Date (UTC)	Magnitude	Depth (Km)	Location	Lat/Long
	12-Dec-1902 00:23:00	7.80	60	MEXICO: BAJA CALIFORNIA	29° N / 114° W
	16-Oct-1907 00:14:00	7.70	60	MEXICO: GULF OF CALIFORNIA	28° N / 112.5° W
	04-Apr-2010 00:22:00	7.20	4	MEXICO: BAJA CALIFORNIA	32.3° N / 115.28° W
	31-Dec-1934 00:00:00	7.10	-	CALIFORNIA: BAJA,IMPERIAL VALLEY	31.8° N / 115.5° W
	09-Jun-1980 00:03:00	6.40	5	MEXICO: NW	32.22° N / 114.98° W

Source: Earthquakes

Volcanic Eruptions:

		5 Largest Volcanic Eruptions (Last updated in 2000)			
Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	TRES VIRGENES	25-May-1746 00:00:00	0.00	MEXICO	27.47° N / 112.59° W

Source: Volcanoes

Tsunami Runups:

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	29-Nov-1852 00:00:00	MEXICO	3	-	COLORADO RIVER MOUTH	31.9° N / 115° W
	28-Mar-1964 09:42:00	MEXICO	1.42	-	ENSENADA	31.87° N / 116.62° W
	22-May-1960 08:48:00	MEXICO	1.23	-	ENSENADA	31.87° N / 116.62° W
	15-Nov-2006 00:00:00	MEXICO	0.64	-	ENSENADA	31.87° N / 116.62° W
	09-Mar-1957 21:10:00	MEXICO	0.52	-	ENSENADA	31.87° N / 116.62° W

5 Largest Tsunami Runups

Source: *Tsunamis*

Wildfires:

5 Largest Wildfires

Event	Start/End Date(UTC)	Size (sq. km.)	Location	Mean Lat/Long
	28-Jun-2003 00:00:00 - 05-Jul-2003 00:00:00	20.60	Mexico	32.36° N / 116.44° W
	06-Jul-2005 00:00:00 - 31-Aug-2005 00:00:00	13.60	Mexico	31.1° N / 115.71° W
	23-Oct-2007 00:00:00 - 25-Oct-2007 00:00:00	12.70	Mexico	31.67° N / 116.57° W
	19-Nov-2005 00:00:00 - 22-Nov-2005 00:00:00	11.80	Mexico	32.29° N / 116.83° W
	28-Aug-2002 00:00:00 - 15-Sep-2002 00:00:00	11.70	Mexico	30.81° N / 115.48° 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
	JIMENA	29-Aug-2009 09:00:00 - 04-Sep-2009 21:00:00	155	931	Eastern Pacific	20.52° N / 107.75° W
	JAVIER	11-Sep-2004 03:00:00 - 19-Sep-2004 21:00:00	150	No Data	Eastern Pacific	19.82° N / 103.8° W
	JULIETTE	21-Sep-2001 21:00:00 - 03-Oct-2001 03:00:00	144	No Data	Eastern Pacific	21.57° N / 104.4° W
	RAYMOND	25-Sep-1989 06:00:00 - 05-Oct-1989 18:00:00	144	935	Eastern Pacific	23.07° N / 108.55° W

Event	NORA Name	16-Sep-1997 12:00:00 - 26-Sep-1997 Start/End Date(UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Eastern Pacific Location	23.92° N / 108.3° W Lat/Long

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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