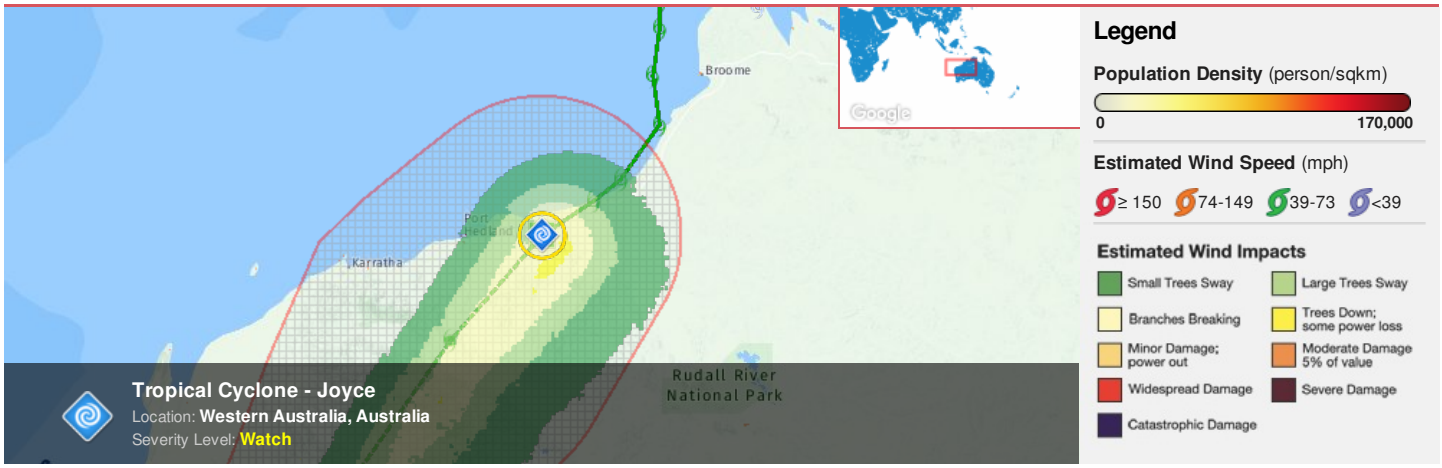
Pacific Disaster Center *Area Brief: General Executive Summary*	HONOLULU 06:34:05 12 Jan 2018	WASH.D.C. 11:34:05 12 Jan 2018	ZULU 16:34:05 12 Jan 2018	NAIROBI 19:34:05 12 Jan 2018	BANGKOK 23:34:05 12 Jan 2018	MAKASSAR 00:34:05 13 Jan 2018

Region Selected » Lower Left Latitude/Longitude: -23.3 N˚ , 116.8 E˚
Upper Right Latitude/Longitude: -17.3 N˚ , 122.8 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 Tropical Cyclones

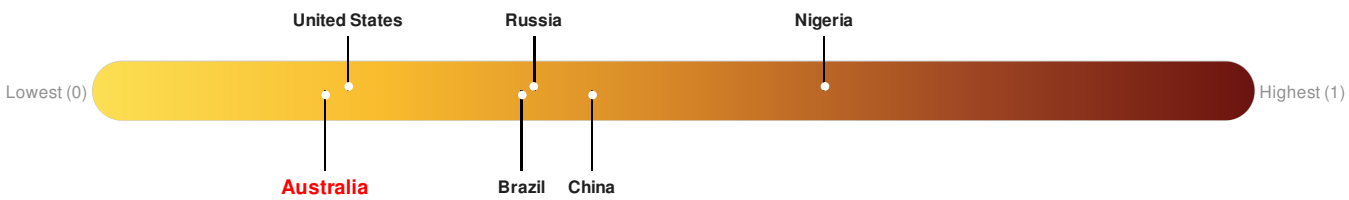
Event	Severity	Name	Wind Speed (mph)	Wind Gusts (mph)	Heading	Track Speed (mph)	Advisory Num	Status	Pressure (mb)	Lat/Long
		Tropical Cyclone - Joyce	52	63	SW	10	12	Tropical Storm	-	20.3° S / 119.8° E

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.

Australia ranks **154** out of **165** countries assessed for Lack of Resilience. Australia is less resilient than 7% of countries assessed. This indicates that Australia has very low susceptibility to negative impacts, and is less able to respond to and recover from a disruption to normal function.



Source: PDC

Regional Overview

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Population Data:

2011

Total: **50, 087**
Max Density: **5, 024**(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.

Source: iSciences

Risk & Vulnerability

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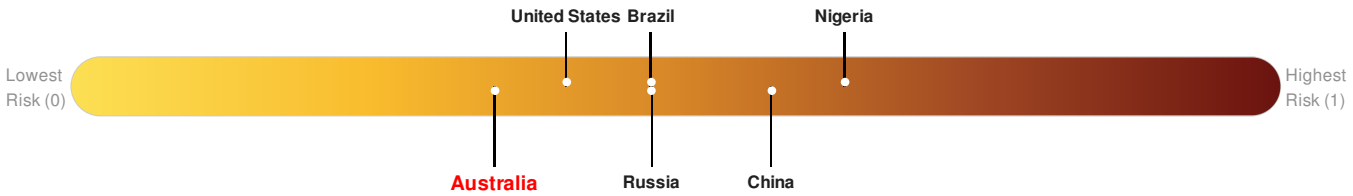
Multi Hazard Risk Index:

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

Multi-Hazard Exposure **Australia** ranks **142** out of **165** countries assessed for Multi Hazard Risk. Australia has a Multi Hazard Risk higher than 14% of countries assessed. This indicates that Australia has less likelihood of loss and/or disruption to normal function if exposed to a hazard.



Source: PDC

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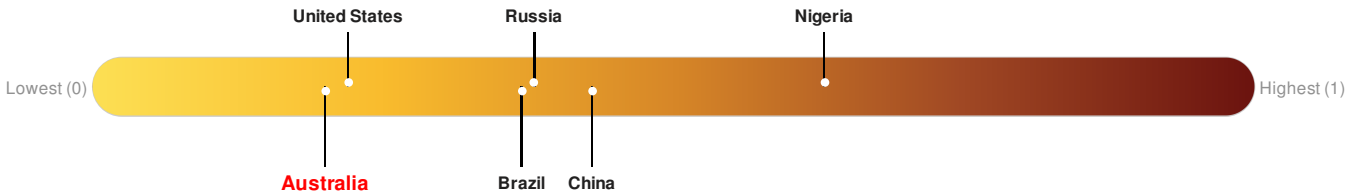

Source: PDC

Historical Hazards

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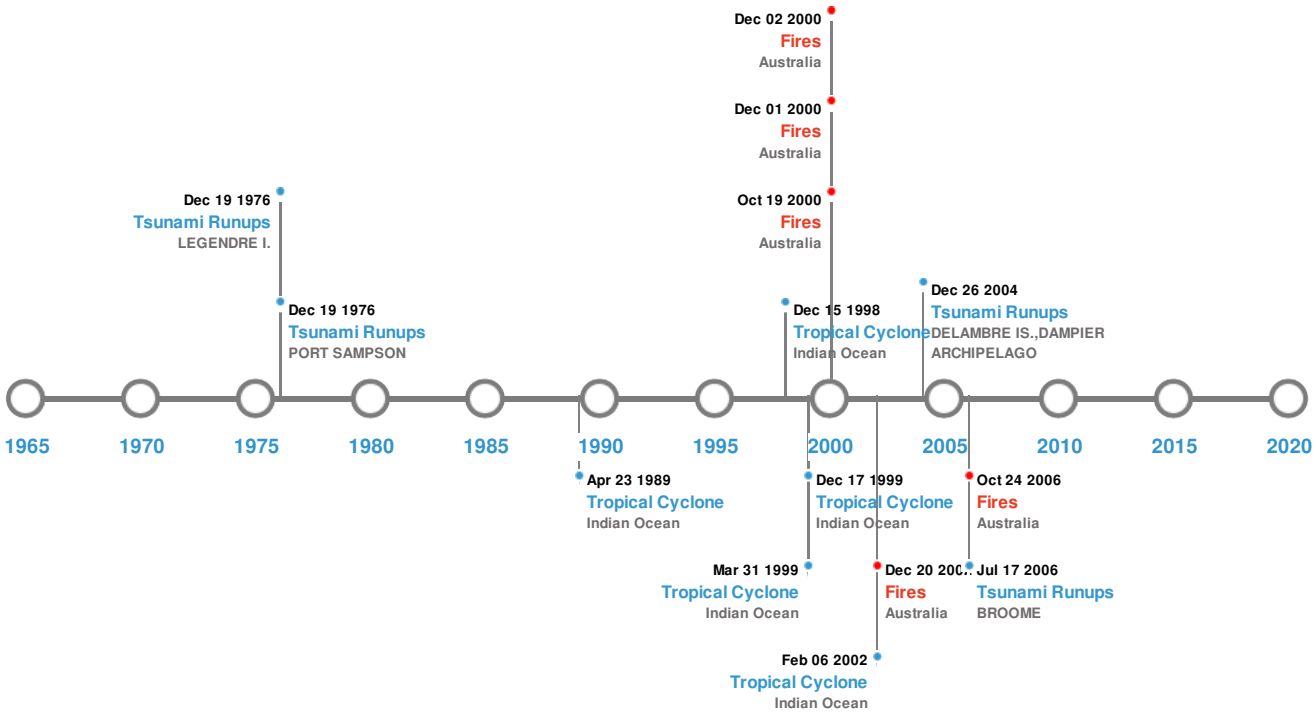
Historical Hazards:



Tsunami Runups:

5 Largest Tsunami Runups

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	19-Aug-1977 00:00:00	AUSTRALIA	4	-	PORT SAMPSON	20.75° S / 117.22° E
	27-Aug-1883 08:14:00	AUSTRALIA	1.5	-	COSSACK	20.7° S / 117.2° E
	19-Aug-1977 00:00:00	AUSTRALIA	0.9	-	LEGENDRE I.	20.35° S / 116.85° E
	26-Dec-2004 00:00:00	AUSTRALIA	0.3	-	DELAMBRE IS., DAMPIER ARCHIPELAGO	20.45° S / 117.08° E
	17-Jul-2006 13:02:00	AUSTRALIA	-	-	BROOME	17.92° S / 122.22° E

Source: Tsunamis

Wildfires:

5 Largest Wildfires

Event	Start/End Date(UTC)	Size (sq. km.)	Location	Mean Lat/Long
	15-Oct-2000 00:00:00 - 01-Dec-2000 00:00:00	115.50	Australia	22.8° S / 117.53° E
	27-Nov-2000 00:00:00 - 02-Dec-2000 00:00:00	69.10	Australia	22.64° S / 117.83° E

Event	Start/End Date(UTC)	Size (sq. km.)	Location	Mean Lat/Long
	06-Dec-2002 00:00:00 - 20-Dec-2002 00:00:00	61.30	Australia	22.25° S / 116.8° E
	23-Oct-2006 00:00:00 - 24-Oct-2006 00:00:00	58.70	Australia	20.1° S / 120.44° E
	20-Jul-2000 00:00:00 - 19-Oct-2000 00:00:00	52.70	Australia	22.67° S / 118.65° E

Source: Wildfires

Tropical Cyclones:

5 Largest Tropical Cyclones

Event	Name	Start/End Date(UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Location	Lat/Long
	1989-04-16	16-Apr-1989 12:00:00 - 23-Apr-1989 06:00:00	161	No Data	Indian Ocean	17.61° S / 121.9° E
	1998-12-04	04-Dec-1998 06:00:00 - 15-Dec-1998 00:00:00	155	No Data	Indian Ocean	14.83° S / 126.75° E
	1999-12-10	10-Dec-1999 06:00:00 - 17-Dec-1999 06:00:00	150	No Data	Indian Ocean	16.07° S / 109.1° E
	1999-04-03	03-Apr-1999 18:00:00 - 08-Apr-1999 06:00:00	150	No Data	Indian Ocean	17.31° S / 121.45° E
	CHRIS	04-Feb-2002 06:00:00 - 06-Feb-2002 06:00:00	144	No Data	Indian Ocean	18.7° S / 120.5° 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.