^	Pacific Disaster Center	HONOLULU	WASH.D.C.	ZULU	NAIROBI	BANGKOK	TONGATAPU
	Area Brief: General	23:13:11	05:13:11	09:13:11	12:13:11	16:13:11	22:13:11
	Executive Summary	20 Aug 2018	21 Aug 2018				

Lower Left Latitude/Longitude: -21.0038 \textrm{N}° , -180.0 \textrm{E}°

Region Selected » Lower Left Latitude/Longitude: -21.0030 N , -1000 E Upper Right Latitude/Longitude: -15.00379999999998 N°, -175.3314 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:

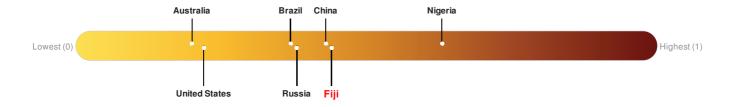
Recent Earthquakes								
Event	Severity	Date (UTC)	Magnitude	Depth (km)	Location	Lat/Long		
	0	21-Aug-2018 09:11:30	5.1	504.64	295km N of Ndoi Island, Fiji	18° S/178.33° W		
	0	21-Aug-2018 06:46:40	5	555.43	Fiji region	17.84° S / 178.21° W		
	1	20-Aug-2018 09:00:36	5.5	527.85	271km NNE of Ndoi Island, Fiji	18.25° S / 178.17° W		
	1	19-Aug-2018 02:41:19	5.7	618.29	265km N of Ndoi Island, Fiji	18.27° S/178.35° W		
Source: PDC								

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.

Fiji ranks 79 out of 165 countries assessed for Lack of Resilience. Fiji is less resilient than 53% of countries assessed. This indicates that Fiji has medium susceptibility to negative impacts, and is more able to respond to and recover from a disruption to normal function.



Regional Overview

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Population Data:

2011

Total: 19, 472 Max Density: 1, 236(ppl/km²)



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

Source: <u>iSciences</u>

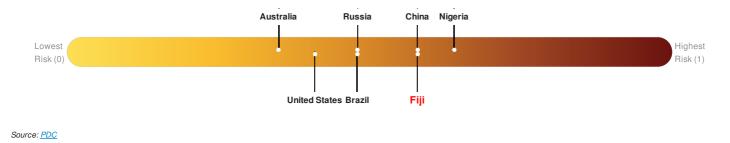
Risk & Vulnerability

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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

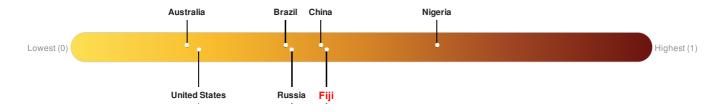
Multi-Hazard Exposure Fiji ranks 32 out of 165 countries assessed for Multi Hazard Risk. Fiji has a Multi Hazard Risk higher than 81% of countries assessed. This indicates that Fiji has more likelihood of loss and/or disruption to normal function if exposed to a hazard.



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.

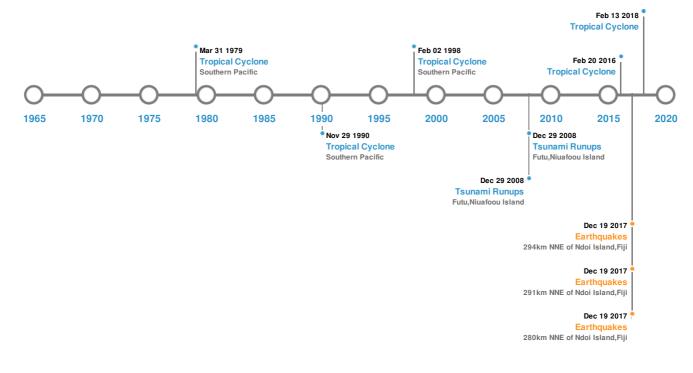
Fiji ranks 79 out of 165 countries assessed for Lack of Resilience. Fiji is less resilient than 53% of countries assessed. This indicates that Fiji has medium susceptibility to negative impacts, and is more able to respond to and recover from a disruption to normal function.



Source: PDC

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Historical Hazards:



Earthquakes:

vent	Date (UTC)	Magnitude	Depth (Km)	Location	Lat/Long
	01-Jan-1919 00:02:00	8.30	180	FIJI ISLANDS	19.5° S/176.5° W
	19-Aug-2018 00:19:37	8.20	563.41	280km NNE of Ndoi Island, Fiji	18.18° S/178.11° W
	19-Aug-2018 00:19:37	7.90	570	291km NNE of Ndoi Island, Fiji	18.1° S/178° W
	19-Aug-2018 00:19:37	7.90	570.1	294km NNE of Ndoi Island, Fiji	18.07° S/178.02° W
	22-Feb-1909 00:09:00	7.80	550	FIJI ISLANDS	18° S / 179° W

Source: Earthquakes

Volcanic Eruptions:

5 Largest Volcanic Eruptions (Last updated in 2000)								
Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long			
٩	NIUAFO'OU	09-Sep-1946 00:00:00	3.00	TONGA-SW PACIFIC	15.6° S/175.63° W			
	FALCON ISLAND	11-Oct-1885 00:00:00	3.00	TONGA-SW PACIFIC	20.31° S / 175.41° W			

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
Ô	TOFUA	31-Dec-1958 00:00:00	2.00	TONGA-SW PACIFIC	19.75° S/176.08° W
٩	NIUAFO'OU	01-Sep-1943 00:00:00	2.00	TONGA-SW PACIFIC	15.6° S/175.63° W
٩	FALCON ISLAND	01-Jun-1936 00:00:00	2.00	TONGA-SW PACIFIC	20.31° S/175.41° W

Source: Volcanoes

Tsunami Runups:

5 Largest Tsunami Runups								
Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long		
	29-Sep-2009 00:00:00	TONGA	4.6	-	Futu, Niuafoou Island	15.59° S/175.67° W		
	29-Sep-2009 00:00:00	TONGA	3.49	-	Futu, Niuafoou Island	15.59° S / 175.68° W		

Source: Tsunamis

Tropical Cyclones:

5 Large	5 Largest Tropical Cyclones							
Event	Name	Start/End Date(UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Location	Lat/Long		
٩	WINSTON	12-Feb-2016 00:00:00 - 20-Feb-2016 00:00:00	184	-	-	18.65° S/177.42° W		
٢	1998-01- 01	01-Jan-1998 18:00:00 - 02-Feb-1998 00:00:00	167	No Data	Southern Pacific	18.6° S/5.5° W		
٢	1990-11- 23	23-Nov-1990 12:00:00 - 29-Nov-1990 06:00:00	144	No Data	Southern Pacific	14.13° S/0°		
٢	NINE	09-Feb-2018 03:00:00 - 13-Feb-2018 09:00:00	138	-	-	20.9° S/178.82° W		
٢	1979-03- 24	24-Mar-1979 06:00:00 - 31-Mar-1979 06:00:00	132	No Data	Southern Pacific	26.4° S/0°		

Source: Tropical Cyclones

Disclosures

* As defined by the source (<u>Dartmouth Flood Observatory</u>, 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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