Â	Pacific Disaster Center Area Brief: General	HONOLULU 20:55:30 19 Apr 2018	WASH.D.C. 02:55:30 20 Apr 2018	ZULU 06:55:30 20 Apr 2018	NAIROBI 09:55:30 20 Apr 2018	BANGKOK 13:55:30 20 Apr 2018	AUCKLAND 18:55:30 20 Apr 2018
	Executive Summary	19 Apr 2016	20 Apr 2016	20 Apr 2016	20 Apr 2018	20 Apr 2018	20 Apr 2018

Region Selected » Lower Left Latitude/Longitude: -38.5759 N°, 175.4471 E° Upper Right Latitude/Longitude: -32.5759 N°, 180.0 E°

Auckland	Gorgie	Legend Population Density (person/sqkm)
Earthquake - 5.1 - 282km NE of Tairua, New Zealand Location: 35.58° S, 178.45° E Severity Level: ANNEY		

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	13-Apr-2018 13:53:56	5.1	168.1	282km NE of Tairua, New Zealand	35.58° S/178.45° 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.

New Zealand ranks 140 out of 165 countries assessed for Lack of Resilience. New Zealand is less resilient than 16% of countries assessed. This indicates that New Zealand has low susceptibility to negative impacts, and is less able to respond to and recover from a disruption to normal function.



Source: <u>PDC</u>

Regional Overview

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Population Data:

Total: 393, 592

Populated Areas:



Tauranga - Less than 50,000

Source: iSciences

2011

Risk & Vulnerability

Max Density: 5, 393 (ppl/km²)

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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 New Zealand ranks 132 out of 165 countries assessed for Multi Hazard Risk. New Zealand has a Multi Hazard Risk higher than 20% of countries assessed. This indicates that New Zealand has less likelihood of loss and/or disruption to normal function if exposed to a hazard.



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.

New Zealand ranks 140 out of 165 countries assessed for Lack of Resilience. New Zealand is less resilient than 16% of countries assessed. This indicates that New Zealand has low susceptibility to negative impacts, and is less able to respond to and recover from a disruption to normal function.



Source: <u>PDC</u>

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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			
	01-Sep-2016 16:38:02	7.20	159.1	147km NNE of Gisborne, New Zealand	37.5° S/178.85° E			
	01-Sep-2016 16:37:57	7.20	159	145km NNE of Gisborne, New Zealand	37.5° S/178.8° E			
	01-Sep-2016 16:37:57	7.10	19	166km NE of Gisborne, New Zealand	37.4° S / 179.05° E			
	05-Feb-1995 00:22:00	7.10	21	NEW ZEALAND: NORTH ISLAND; S ISLAND: CHRISTCHURCH	37.76° S / 178.75° E			
	17-May-1947 00:07:00	6.90	12	NEW ZEALAND: OFF COAST NORTH ISLAND	38.42° S / 178.88° E			

Source: Earthquakes

Volcanic Eruptions:

5 Largest Volcanic Eruptions (Last updated in 2000)								
Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long			
٩	TARAWERA	10-Jun-1886 00:00:00	5.00	NEW ZEALAND	38.23° S/176.51° E			
	TARAWERA	01-Jan-1020 00:00:00	5.00	NEW ZEALAND	38.23° S/176.51° E			

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
Ó	WHITE ISLAND	25-Jan-1987 00:00:00	3.00	NEW ZEALAND	37.52° S / 177.18° E
٩	WHITE ISLAND	25-Aug-1977 00:00:00	3.00	NEW ZEALAND	37.52° S / 177.18° E
٩	WHITE ISLAND	19-Jul-1971 00:00:00	3.00	NEW ZEALAND	37.52° S / 177.18° E
0					

Source: Volcanoes

Tsunami Runups:

5 Largest Tsunami Runups								
Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long		
	17-May-1947 00:00:00	NEW ZEALAND	6	-	WAIHAU BEACH	37.62° S / 177.92° E		
\diamond	17-May-1947 00:00:00	NEW ZEALAND	4	-	TOLAGA BAY	38.4° S / 178.33° E		
	13-Aug-1868 16:00:00	NEW ZEALAND	3	-	CAPE RUNAWAY	37.53° S / 177.98° E		
	13-Aug-1868 00:00:00	NEW ZEALAND	2	-	OPOTIKI	38° S / 177.3° E		
	27-Aug-1883 00:00:00	NEW ZEALAND	1.8	-	TAIRUA	37.02° S / 175.87° E		

Source: Tsunamis

Tropical Cyclones:

5 Largest Tropical Cyclones									
Event	Name	Start/End Date(UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Location	Lat/Long			
٢	1997-03- 02	02-Mar-1997 06:00:00 - 12-Mar-1997 18:00:00	138	No Data	Southern Pacific	22.38° S/0°			
٢	IVY	23-Feb-2004 06:00:00 - 28-Feb-2004 18:00:00	127	No Data	Southern Pacific	24.26° S / 172.3° E			
٢	1996-03- 19	19-Mar-1996 12:00:00 - 30-Mar-1996 00:00:00	121	No Data	Southern Pacific	22.42° S / 171.55° E			
٢	1977-12- 31	01-Jan-1978 00:00:00 - 10-Jan-1978 06:00:00	115	No Data	Southern Pacific	21.78° S/0°			
٢	1982-03- 31	01-Apr-1982 00:00:00 - 09-Apr-1982 00:00:00	109	No Data	Southern Pacific	18.21° S/166.7° E			

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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