

REGIONAL HAZARDS ADVISORY

Issued by: Waikato Regional Council

Date/time: 05/01/2018 12:00 pm

Overview of event

A rapidly deepening low is forecast to approach New Zealand from the northwest today, then to lie the west of the North Island on Thursday while continuing to move southeastwards. During Thursday, the low spreads a moist and strong northeast flow over central and southern New Zealand, delivering heavy rain and strong northeasterly winds to these areas.

Emergency contact details: 0800 800 401...ask for... Regional Flood Liaison or Regional Flood Coordinator

Type of Event		Area affected
Severe Weather	✓	Waikato Region – Severe Wind
Heavy Rain	✓	Tongaririo
Potential River Flooding		
Current River Flooding		
Coastal Erosion	✓	Possible in areas already prone to coastal erosion
Coastal Storm Inundation	✓	Coromandel, Hauraki, possible West coast
Lifelines	✓	Waikato Region – Possible Power Outages, road closures

WRC Regional Hazards Response Status:

Normal	Monitoring	Activated
		✓

Local (Coromandel Zone, Hauraki Zone) Flood Response Room Status:

Flood Room Not Activated	Flood Room Activated
✓	

Regional Flood Response Room Status:

Flood Room Not Activated	Flood Room Activated
✓	

Warnings and alarms

Severe weather advisory

WARNING	WATCH	Multiple Warnings and Watches.
✓	✓	

MetService Alerts:

Severe Wind Warning for Coromandel Peninsula

Issued 10:53am Friday 05 Jan 2018

Coromandel Peninsula, Waikato, Waitomo, Taumarunui, Bay Of Plenty, Rotorua, Taupo, and Taranaki North to northeast winds, severe gale gusting 120 km/h at times, changing westerly this evening and ease. The combination of strong winds and high tides may also cause coastal inundation, especially in the east including the Firth of Thames.

Heavy Rain Warning for Taupo

Issued 10:53am Friday 05 Jan 2018

Tongariro National Park Periods of rain with heavy falls are expected from midday until midnight tonight. Expect 70-100mm of rain to accumulate on top of what has already fallen. Peak intensities of 15 to 25mm/hr, and thunderstorms possible.

Severe Wind Warning for Taupo

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Coromandel Peninsula, Waikato, Waitomo, Taumarunui, Bay Of Plenty, Rotorua, Taupo, and Taranaki North to northeast winds, severe gale gusting 120 km/h at times, changing westerly this evening and ease. The combination of strong winds and high tides may also cause coastal inundation, especially in the east including the Firth of Thames.

Severe Wind Warning for Waikato

Issued 10:53am Friday 05 Jan 2018

Coromandel Peninsula, Waikato, Waitomo, Taumarunui, Bay Of Plenty, Rotorua, Taupo, and Taranaki North to northeast winds, severe gale gusting 120 km/h at times, changing westerly this evening and ease. The combination of strong winds and high tides may also cause coastal inundation, especially in the east including the Firth of Thames.

Severe Wind Warning for Waitomo

Issued 10:53am Friday 05 Jan 2018

Coromandel Peninsula, Waikato, Waitomo, Taumarunui, Bay Of Plenty, Rotorua, Taupo, and Taranaki North to northeast winds, severe gale gusting 120 km/h at times, changing westerly this evening and ease. The combination of strong winds and high tides may also cause coastal inundation, especially in the east including the Firth of Thames.

The Heavy Rain Warning for Coromandel Peninsula has been cancelled

For up to date weather information please visit the Metservice website:

www.metservice.com.

Current River Status

Early warning river level alarms

No rivers have reached alarm levels at this stage. The most up to date rainfall and river level information should be obtained from the Waikato Regional Council website:

<http://www.waikatoregion.govt.nz/Services/Regional-services/River-levels-and-rainfall/>

River system	Advisory status
Lake Taupo	NORMAL
Upper Waikato River	NORMAL
Central Waikato River	NORMAL
Waipa River	NORMAL
Lower Waikato River	NORMAL
Piako River (incl Waitoa River)	NORMAL
Waihou River (incl Ohinemuri River)	NORMAL
Coromandel Peninsula	NORMAL
West Coast rivers	NORMAL
Coastal waters	King Tides with storm surge

Coastal Information

Firth of Thames:

We are currently in a 'King Tide' phase with larger than normal tide ranges. The combination and coincidence of high tides and peak wind/waves occurring about the same time has resulted in significant water levels within the Firth of Thames on Friday.

Peak level at Tararu Tide Gauge was 2.8 m RL (Tararu Vertical Datum). Previous recorded peak water level was recorded at the tide gauge in 1995 of 2.4 m RL.

Based on analysis of the tide gauge by NIWA in 2015 from 1990 to 2015:

- 1% AEP (100 year ARI) water level was estimated at 2.5 m RL (Tararu Vertical Datum).
- 0.5% AEP (200 year ARI) water level was estimated at 2.6 m RL ((Tararu Vertical Datum).

The largest historical water level (not recorded by tide gauge) was that during the 1938 storm of approximately 3.0 m RL (Tararu Vertical Datum).

As the effects of the storm are moving out of the Firth of Thames area and king tides will be reducing, subsequent high tides are unlikely to reach the peak of this morning.

High Tide times (NZDT) sourced from NIWA tide forecaster:

- Whitianga
 - Friday 5th at 10:10 and 22:28
- Thames
 - Friday 5th at 10:37 and 22:57
 - Saturday 6th at 11:29 and
- Raglan (West Coast)
 - Friday 5th at 00:30 and 12:55
 - Saturday 6th at 01:19 and 13:44