

# REGIONAL HAZARDS ADVISORY

Issued by: Waikato Regional Council

Date/time: 6/01/2018 0900 hours

## Overview of event

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

Type of Event		Area affected
Severe Weather		
Heavy Rain		
Potential River Flooding	✓	Tidally influenced rivers, especially the Piako and Kuaeranga Rivers
Current River Flooding		
Coastal Erosion	✓	Severe, especially Thames Coast Road between Tararu and Te Puru
Coastal Storm Inundation	✓	Possible coinciding with king tides (Firth of Thames: Sat 6 <sup>th</sup> 11:31, 23:53; Sun 7 <sup>th</sup> 12:23)
Lifelines		

### WRC Regional Hazards Response Status:

Normal	Monitoring	Activated
		✓

### Local Coromandel & Waihou/Piako Flood Response Room Status:

Flood Room Not Activated	Flood Room Activated
	✓ (Saturday day-time)

### Regional Flood Response Room Status:

Flood Room Not Activated	Flood Room Activated
	✓ (Saturday day-time)

## Warnings and alarms

### Severe weather advisory

<b>WARNING</b>	<b>WATCH</b>	<b>All severe Weather Warnings and Watches have been cancelled for the Waikato Region</b>

MetService Alerts:

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

[www.metservice.com](http://www.metservice.com).

## Current River Status

### Early warning river level alarms

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 at gauge, but will be ELEVATED with king tide cycles.
Waihou River (incl Ohinemuri River)	ELEVATED (Slow rising at Shaftesbury and Te Aroha. These higher flows arriving in the lower reaches may coincide with high tide this morning at ~11:30)
Kauaeranga River	NORMAL at gauge, but will be ELEVATED at Rhodes Park area with king tide cycles. SH25 may be inundated at high tides, particularly Saturday and Sunday am.
Coromandel Peninsula	NORMAL
West Coast rivers	NORMAL (except Awakino which is ELEVATED but falling)
Coastal waters	KING TIDES

## Coastal Information

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 Waikato Region and high tide levels will be reducing, subsequent high tides are unlikely to reach the peak of Friday morning. Coastal water levels will be driven primarily by tidal effects with much less impact from winds and atmospheric pressure.

High Tide times (NZDT) sourced from NIWA tide forecaster (from 8<sup>th</sup> January, tides are back to 'normal' and out of King Tide phase):

- Whitianga
  - Saturday 6<sup>th</sup> at 11:03 and 23:24
  - Sunday 7<sup>th</sup> at 11:55
- Thames
  - Saturday 6<sup>th</sup> at 11:29 and 23:51
  - Sunday 7<sup>th</sup> at 12:21
- Raglan Harbour Entrance (West Coast)
  - Saturday 6<sup>th</sup> at 13:44
  - Sunday 7<sup>th</sup> at 02:10 and 14:35