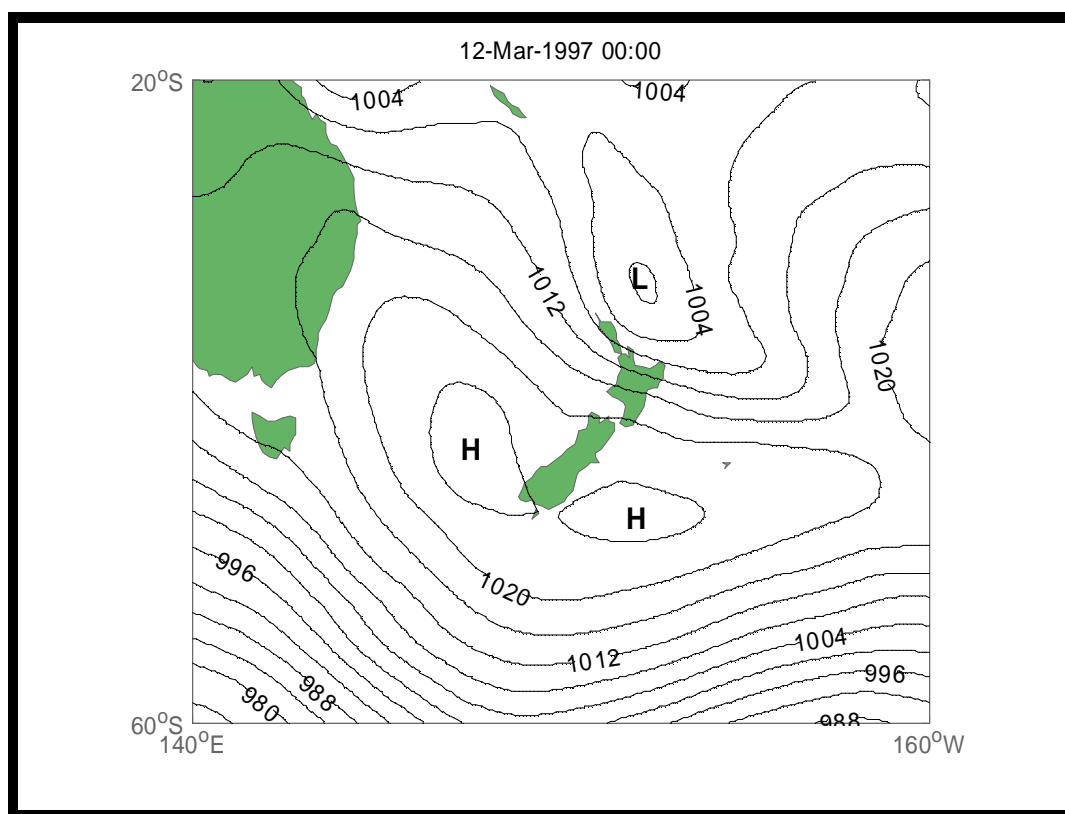


Coastal Storm Database - Event Summary

Date: 11-12 Mar 1997	Wind Direction:
Event Type: Wave	Gisborne Duration (Hours): -
Location: Gisborne	Wellington Duration (Hours): -
Origin: Subtropics	Pressure Gradient: ESE to SE
Type: Cyclone-Anticyclone Pair	



Synoptic Conditions

A subtropical cyclone moved southward from east of New Caledonia directly towards NZ. When it reached NZ on the 11th it collided with a large anticyclone that had moved onto the country and a strong ESE to SE airstream developed along the eastern North Island. As the cyclone continued to move southward (or southeastward) while the anticyclone remained over the South Island the ESE to SE airstream was strengthened along the eastern North Island.

Sea Conditions

Big swell along East Coast

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	3.5	11
Napier	4.9	9
Gisborne	5.2	8

*Highest Significant Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
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Maximum Wind Gusts (kph and dir)

	Date	Gisborne	Napier	Wellington
	11-Mar-97			45 (SE)
	12-Mar-97			54 (SE)

Impact Area

Gisborne

East Cape
Eastern
Coromandel

Impacts and Damages

- Waves overtopped rock-rail seawall at the southern end of Wainui Beach; wave: reached right up to duneline between Tuahine Crescent and Oneroa Road
 - Huge swells witnessed by residents at Wainui Beach
 - Landslide closed State Highway 35 near Te Puia Springs
 - Helicopter survey estimated swells at 2-4m along coast
 - Three houses lost roofs at Hicks Bay
 - High seas battered Coromandel Peninsula
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Data Source

- 1 Family in Real Plight after Home Torn Apart: Gisborne Herald, 13/03/1997, p1
 - 2 Peninsula Spared Major Damage: Gisborne Herald, 12/03/1997, p1
 - 3 District Gets off Lightly: Gisborne Herald, 13/03/1997, p1
 - 4 Gavin Buffets District and Crops Disrupted: Gisborne Herald, 12/03/1997, p1
 - 5 Houses Hit By Cyclone's Fury: Dominion Post, 13/03/1997, p1
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