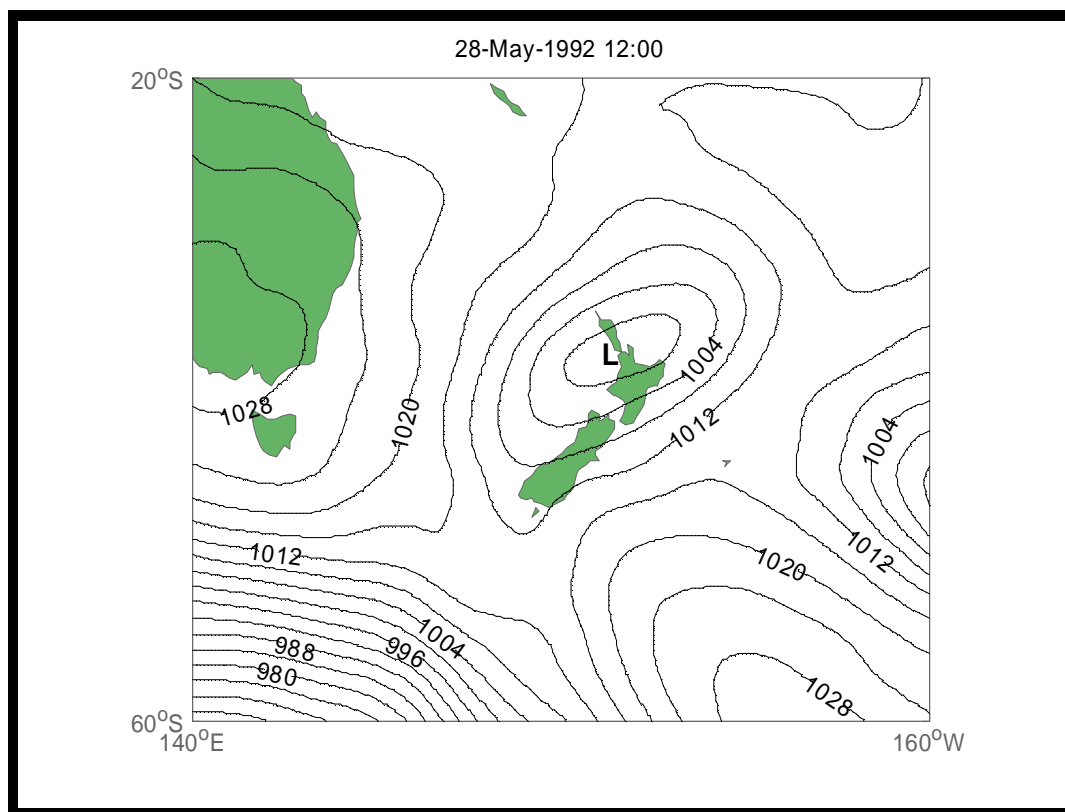


# Coastal Storm Database - Event Summary

Date: <b>28-30 May 1992</b>	Wind Direction:
Event Type: <b>Wave/Erosion</b>	Gisborne Duration (Hours): -
Location: <b>Gisborne</b>	Wellington Duration (Hours): -
Origin: <b>Tasman Sea</b>	Pressure Gradient: <b>SE</b>
Type: <b>East Coast Low</b>	



## Synoptic Conditions

A cyclone formed west of Cook Strait from a southern ocean trough and crossed the North Island. On the 28th this cyclone was off East Cape while a ridge of high pressure covered the South Island. Between these systems a SE airstream developed and flowed over a large fetch (from 175E to ~160W). This southeasterly remained over and east of NZ through to the 30th (though gradually it weakened) and was responsible for the large swells experienced on the Gisborne coast.

## Sea Conditions

Heavy seas on the Gisborne coast

## Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	2.6	6
Napier	3.2	7
Gisborne	3.8	7

\*Highest Significant Wave Height

## Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
------	----------	--------	------------

---

**Maximum Wind Gusts (kph and dir)**

Date	Gisborne	Napier	Wellington
28-May-92			48 (S)
29-May-92			69 (S)
30-May-92			65 (S)

---

**Impact Area**

Gisborne

**Impacts and Damages**

- Erosion of foredune at Wainui Beach has removed several meters of section
  - City beaches hidden beneath layers of driftwood
  - Serious erosion at Wainui Beach from heavy seas; gabion baskets exposed, one house lost fence and section and another house ~5m from dune edge
  - Roads closed by flooding between city and East Cape
  - Heavy seas forced Gisborne Tatapouri Fishing club to close boat ramp over weekend at Tatapouri; foreshore erosion has undermined the ramp to the point of collapse
- 

**Data Source**

- 1 Seas Slice off Section: Eastland Sun, 10/06/1992
  - 2 Public Urged to Take Wood: Gisborne Herald, 5/06/1992, p1
  - 3 Erosion Work Under Fire: Gisborne Herald, 5/06/1992, p1
  - 4 Big Seas at Wainui Create Urgent Threat: Gisborne Herald, 3/06/1992, p1
  - 5 Heavy Rain Closes Many Coast Roads: Gisborne Herald, 29/05/1992, p1
  - 6 Pounding Seas Close Fishing Club Boat Ramp: Gisborne Herald, 30/05/1992, p1
-