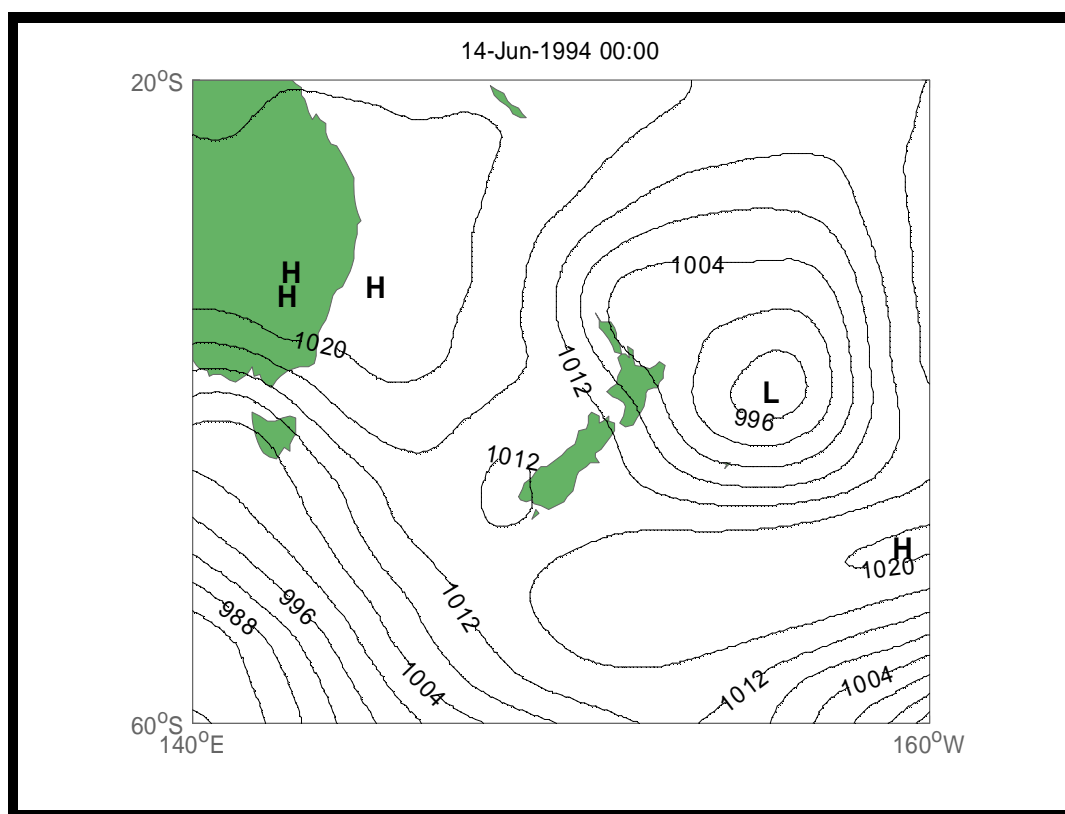


Coastal Storm Database - Event Summary

Date: 14-16 Jun 1994	Wind Direction:
Event Type: Wave	Gisborne Duration (Hours): -
Location: Gisborne	Wellington Duration (Hours): -
Origin: Tasman Sea	Pressure Gradient: ESE to SE
Type: East Coast Low	



Synoptic Conditions

A cyclone in the Tasman sea moved eastward and across NZ. On the 13th this cyclone was north of the Chatham Islands and covered the North Island and sat atop a ridge of high pressure. The southwestern side of the cyclone contained a SE airstream that swept over the eastern North Island. Along the east coast of the North Island the winds were much weaker and veered to the south. The cyclone remained just east of the Chathams till the 15th and the strong SE to ESE airstream continued but off the east coast of NZ (i.e. over the Chatham Islands and surrounding ocean). This southeasterly flow was responsible for the large waves on the Gisborne coast.

Sea Conditions

Heavy seas off Gisborne

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	3.0	9
Napier	2.9	11
Gisborne	3.1	10

*Highest Significant Wave Height

Impact Area

Gisborne

Impacts and Damages

- Heavy seas at Wainui Beach eroding beach and foredunes; concrete seawall demolished and fallen into sea
- Emergency rock protection needed at Wainui Beach where houses close to edge of eroded foredune
- Old concrete seawall at Wainui Beach undermined and collapsed; houses on edge behind it in danger

Data Source

- 1 Beach Residents Get Go-Ahead to Save Properties: Gisborne Herald, 17/06/1994, p1
 - 2 Storm at Wainui Over Damage to Beach Defences: Gisborne Herald, 16/06/1994, p1
-