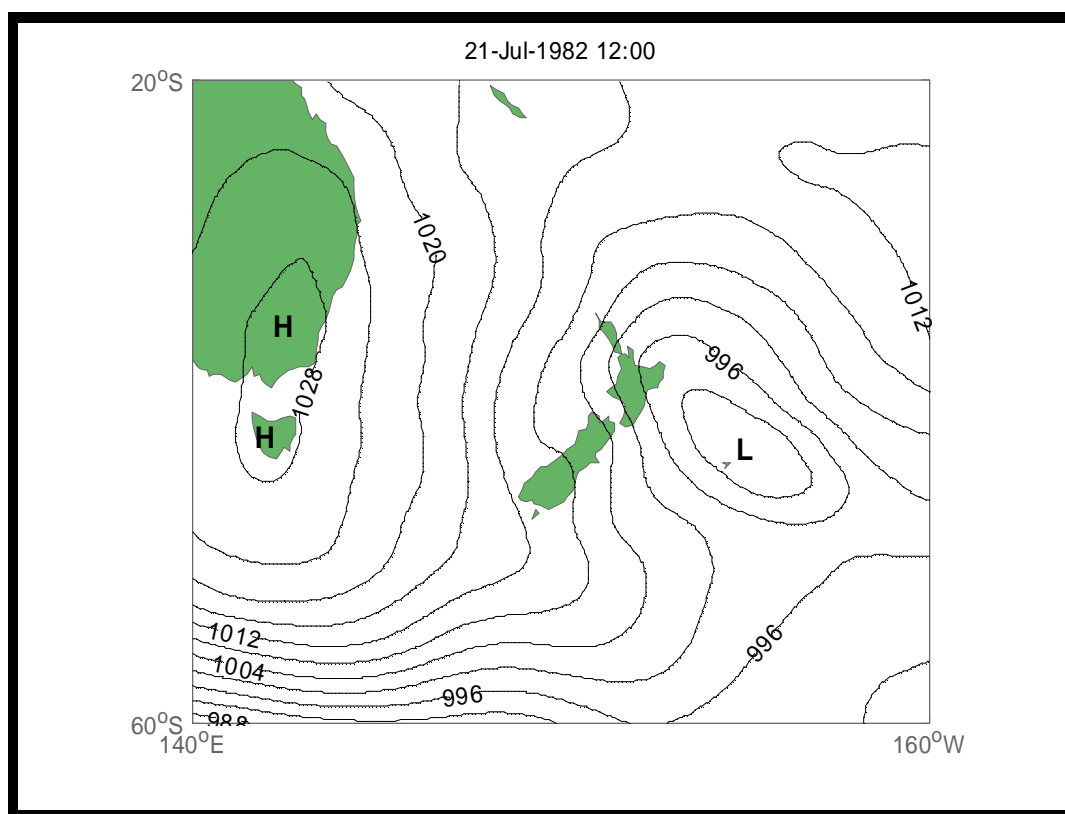


# Coastal Storm Database - Event Summary

Date: <b>21-22 Jul 1982</b>	Wind Direction: <b>S</b>
Event Type: <b>Wind/Wave/Erosion</b>	Gisborne Duration (Hours): <b>-</b>
Location: <b>Gisborne/Wellington</b>	Wellington Duration (Hours): <b>43</b>
Origin: <b>Tasman Sea</b>	Pressure Gradient: <b>S to SSE</b>
Type: <b>East Coast Low</b>	



## Synoptic Conditions

A cyclone developed west of Cook Strait in the Tasman sea from a southern ocean trough and passed over the central North Island. On the 20th this cyclone was over the North Island and the strong SE airstream on its southern side swept through Cook Strait. The cyclone then moved onto the Chatham Islands and was being followed by a large anticyclone in the western Tasman sea. Between these systems a S to SSE airstream developed and continued to affect the Cook Strait area and lower eastern North Island. The strong pressure gradient was assisted by a large intense anticyclone in the Tasman Sea that spread a ridge onto the South Island.

## Sea Conditions

Measured wave heights off Gisborne coast reached just over 3.5m; rapid increase in wave size seen

## Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	3.6	7
Napier	3.1	7
Gisborne	3.7	7

\*Highest Significant Wave Height

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

Date	Gisborne	Napier	Wellington
21-Jul-82	57 (S)	52 (SW)	98 (SW)
22-Jul-82	61 (S)	46 (SW)	95 (SW)

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**Impact Area**

Gisborne

**Impacts and Damages**

- Measured waves off Gisborne coast reached upto 3.5m
- Erosion at Midway Beach shows large rip embayment
- Snow and hail around city

Wellington

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**Data Source**

- 1 Erosion Worry for Club: Gisborne Herald, 21/07/1982, p12
  - 2 Never Seen Anything Like It: Evening Post, 22/07/1982, p1
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