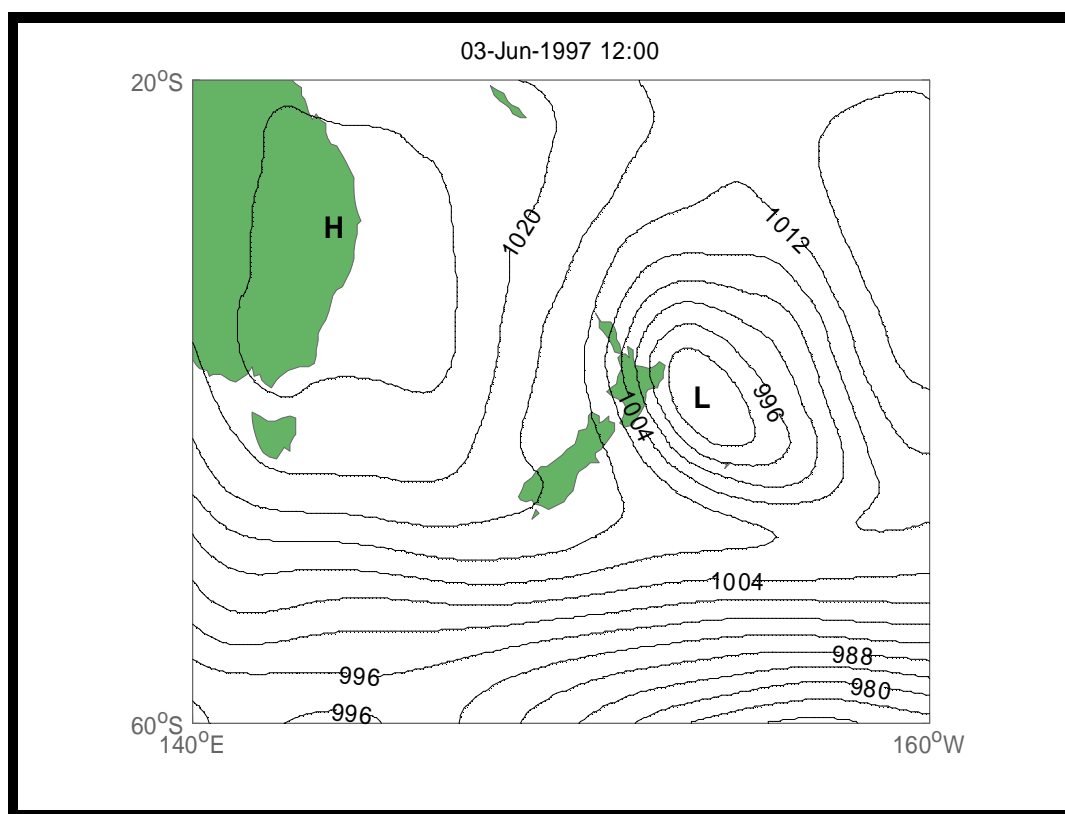


Coastal Storm Database - Event Summary

Date: 2-3 Jun 1997	Wind Direction: S
Event Type: Wind/Wave	Gisborne Duration (Hours): -
Location: Napier/Wellington	Wellington Duration (Hours): 38
Origin: Subtropics	Pressure Gradient: SSE to SE
Type: East Coast Low	



Synoptic Conditions

A cyclone from near New Caledonia moved southeast-ward and over Northland. At this time it created a strong easterly airstream over the eastern North Island. It travelled southeast-ward and while off the Hawkes Bay coast the strong SE airstream on its southwestern side moved onto the lower North Island and into Cook Strait. This strong pressure gradient was enhanced by a ridge of high pressure across the lower South Island, acting to squeeze the isobars close together as the cyclone continued to move southeast-ward. The strong SE winds later spread along the entire eastern North Island as the cyclone moved eastward.

Sea Conditions

7m swells in Cook Strait and large waves on Napier coast

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	5.2	9
Napier	7.4	10
Gisborne	7.1	10

*Highest Significant Wave Height

Maximum Wind Gusts (kph and dir)

	Date	Gisborne	Napier	Wellington
	02-Jun-97			87 (S)
	03-Jun-97			93 (S)
Impact Area	Impacts and Damages			
Gisborne	<ul style="list-style-type: none">● Widespread power outages● Extensive sewage overflows in some suburbs (Kaiti)● Widespread surface flooding, uprooted trees, and roofs lost			
Napier	<ul style="list-style-type: none">● Marine Parade beaches closed due to huge waves● Fallen trees caused power outages			
Wairoa	<ul style="list-style-type: none">● All schools in district closed; Wairoa River came right up to banks and onto roads● Flooding and evacuations near Nuhaka; state of emergency declared			
Wellington	<ul style="list-style-type: none">● Roofs lifted and trees uprooted● Railway service to and from Ngauranga halted due to sea spray and high winds● Ferry crossings cancelled due to rough seas, 7m swells, and high winds			
Mahia	<ul style="list-style-type: none">● Extensive surface flooding and houses lost roofs in Mahia			
Data Source				
1	Devastation of Cyclone Remembered: Gisborne Herald, 10/01/1998, p5			
2	Nuhaka Reels From the Worst Storm to Hit in Years: Gisborne Herald, 4/06/1997, p1			
3	Hawkes Bay Hit Hard by Storm: Gisborne Herald, 3/06/1997, p1			
4	Weather Leaves Behind Damage & Sewage Spill: Gisborne Herald, 3/06/1997, p1			
5	Second Storm Strikes: Dominion Post, 4/06/1997, p1			
6	Storm Blast Closes Roads, Lifts Roofs: Evening Post, 3/06/1997, p1			
7	Flood-Hit Wairoa in State of Emergency: Dominion Post, 3/06/1997, p1			
8	Icy Blast from South Sets City Shivering: Evening Post, 2/06/1997, p1			