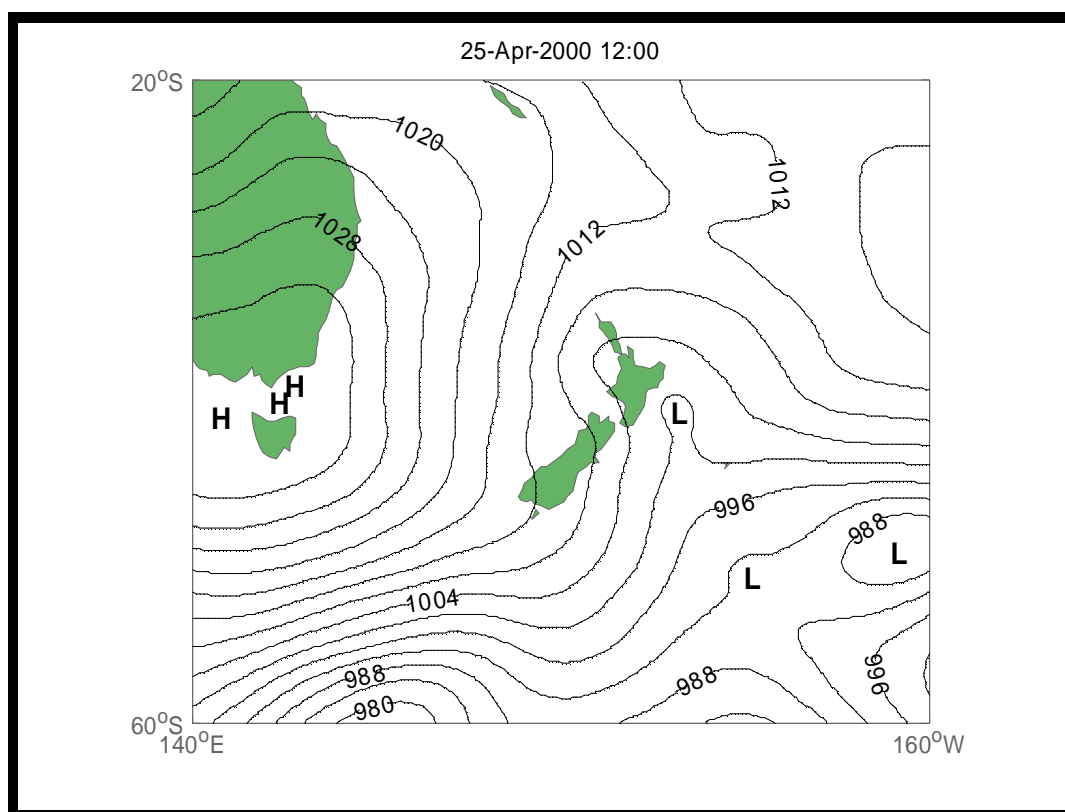


# Coastal Storm Database - Event Summary

Date: <b>25-26 Apr 2000</b>	Wind Direction:
Event Type: <b>Wave/Erosion</b>	Gisborne Duration (Hours): -
Location: <b>Gisborne/Wellington</b>	Wellington Duration (Hours): -
Origin: <b>Tasman Sea</b>	Pressure Gradient: <b>S to SW</b>
Type: <b>Trough</b>	



## Synoptic Conditions

A secondary cyclone developed from a southern trough west of the South Island. As it passed over NZ it weakened and became a trough over the Chatham Islands and North Island. The western side of this trough contained a southerly flow that swept through Cook Strait. On the 25th another southern ocean cyclone passed eastward below NZ and this created a strong SSW to SW flow off the South Island. This SW flow was responsible for the large swells off the Wellington south coast.

## Sea Conditions

Swells estimated at 4.5m in Cook Strait

## Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	9.0	12
*Maximum Wave Height		

## Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
25-Apr-00			80 (S)
26-Apr-00			63 (S)

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

	Date	Gisborne	Napier	Wellington
<b>Impact Area</b>	<b>Impacts and Damages</b>			
Wellington	<ul style="list-style-type: none"><li>• Large swells in Cook Strait estimated at 4.5m</li><li>• 4 Cook Strait crossings of Lynx fat ferries cancelled by large swells</li></ul>			

**Data Source**

- 1 Ferry Backlog Cleared After Southerly Brings Cold Blast: Gisborne Herald, 26/04/2000, p36