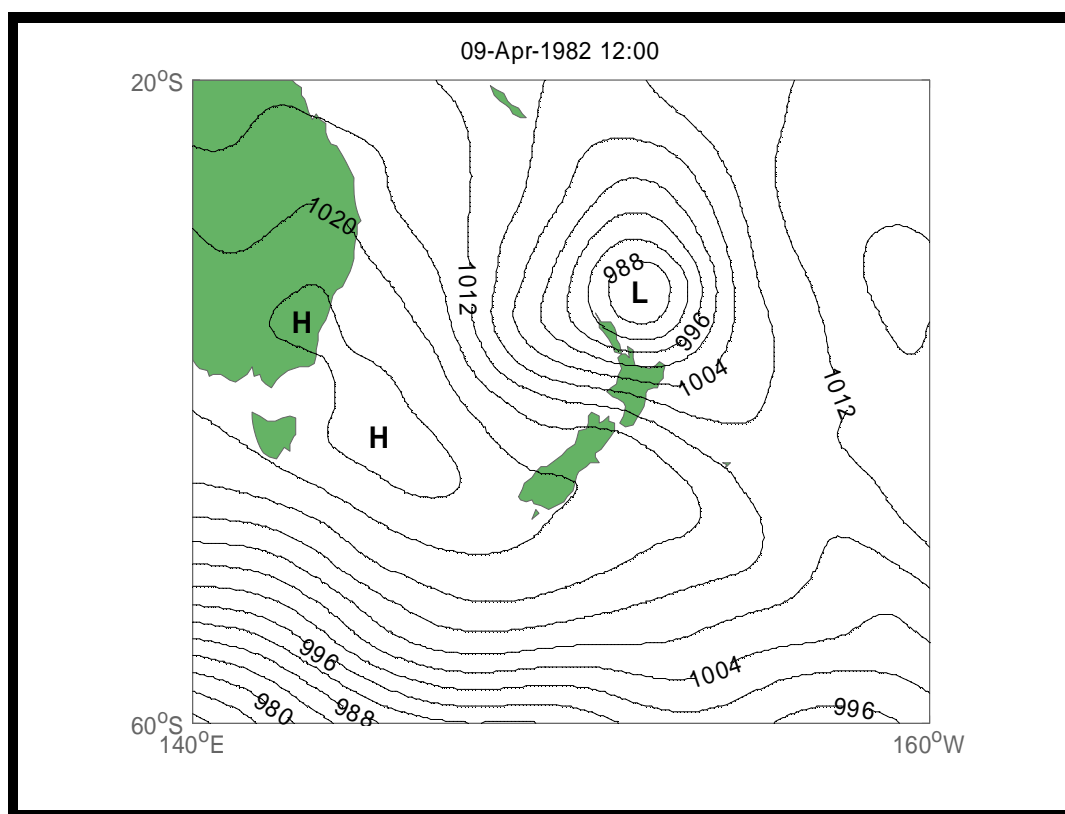


Coastal Storm Database - Event Summary

Date: 8-11 Apr 1982	Wind Direction: S
Event Type: Wind/Wave	Gisborne Duration (Hours): 34
Location: Gisborne/Napier/Wellington	Wellington Duration (Hours): 62
Origin: Subtropics	Pressure Gradient: SE
Type: East Coast Low	



Synoptic Conditions

A subtropical low formed west of New Caledonia (Coral Sea) and travelled southeast-ward towards NZ. On the 9th it completely engulfed the North Island and pushed a very strong SE airstream onto the eastern coast (East Cape to Wellington). The strong pressure gradient was supported by a ridge across the South Island. On the 10th this cyclone was north of the Chatham Island and still affected the eastern North Island though the pressure gradient had weakened.

Sea Conditions

High seas along East Coast

Maximum Wave Statistics

Location	Max Wave Height (m)	Period (s)
Wellington	4.4	8
Napier	6.3	10
Gisborne	7.1	10

*Highest Significant Wave Height

Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
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Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
08-Apr-82	37 (NW)	30 (W)	78 (S)
09-Apr-82	111 (S)	65 (S)	111 (S)
10-Apr-82	108 (S)	69 (S)	109 (S)
11-Apr-82	61 (SW)	52 (SW)	76 (S)

Impact Area**Impacts and Damages**

	<ul style="list-style-type: none">● Destruction of ~160m of seawall between Tokomaru Bay and Waima due to high seas
Gisborne	<ul style="list-style-type: none">● 25% of kiwifruit crops valued at \$500,000 lost● 100's of hectares of maize flattened and lost● All roads north of Gisborne closed due to flooding and slips● Evening flights into and out of Gisborne cancelled● Lowest pressure at Gisborne was 997 hPa● ~90% of electricity network suffered cuts at some stage● Airport closed and flights cancelled
East Cape	<ul style="list-style-type: none">● Power and telephone lines down around city, trees over and roofs torn off
Mahia	<ul style="list-style-type: none">● Roofs blown off houses and trees felled at Te Araroa● Mahia Peninsula cut off by flooding and yacht driven aground

Data Source

- 1 High Seas Take Toll: Gisborne Herald, 3/05/1982, p18
 - 2 Gale-Felled Trees Block Gorge Road: Dominion Post, 10/04/1982, p4
 - 3 Quarter of Crop Damaged: Gisborne Herald, 14/04/1982, p1
 - 4 Big Losses Faced by Growers as Crops Wiped Out: Gisborne Herald, 13/04/1982, p1
 - 5 Havoc is Caused by Storm at Te Araroa: Gisborne Herald, 13/04/1982, p1
 - 6 Trail of Debris In Bernie's Wake: Gisborne Herald, 10/04/1982, p10
 - 7 It's a Nightmare for Power Board: Gisborne Herald, 10/04/1982, p1
 - 8 Area Takes a Battering from Depression's Fury: Gisborne Herald, 10/04/1982, p1
 - 9 Bernie Goes Berserk: Evening Post, 10/04/1982, p1
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