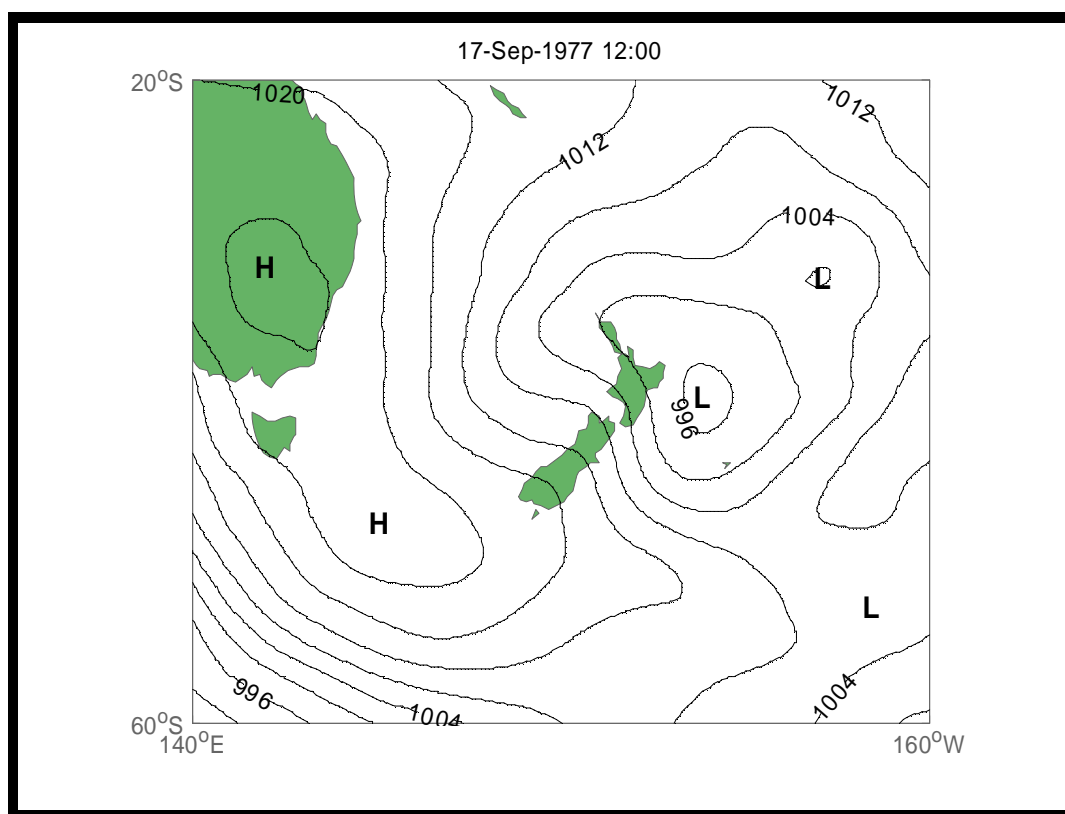


# Coastal Storm Database - Event Summary

Date: <b>16-19 Sep 1977</b>	Wind Direction: <b>S</b>
Event Type: <b>Wind</b>	Gisborne Duration (Hours): <b>10</b>
Location: <b>Gisborne/Wellington</b>	Wellington Duration (Hours): <b>53</b>
Origin: <b>Eastern NZ</b>	Pressure Gradient: <b>SE</b>
Type: <b>East Coast Secondary Low</b>	



## Synoptic Conditions

A secondary cyclone developed east of the North Island from a southern ocean trough. On the 16th this cyclone was off East Cape and a large anticyclone over southeastern Australian spread a ridge eastward over the lower South Island. Between these features a SE airstream developed over the eastern South Island and in Cook Strait and then spread up the eastern North Island as the Tasman sea anticyclone moved eastward past NZ in the southern ocean. This SE airstream was sustained through the 17th and 18th.

Storm Type Sequence: east coast secondary low - cyclone-anticyclone pair.

## Maximum Wind Gusts (kph and dir)

Date	Gisborne	Napier	Wellington
16-Sep-77	33 (NW)	33 (S)	80 (S)
17-Sep-77	76 (S)	74 (S)	102 (S)
18-Sep-77	52 (SW)	69 (SW)	111 (S)
19-Sep-77	37 (S)	39 (S)	69 (S)

## Impact Area

Gisborne  
Wellington

## Impacts and Damages

- Heavy rain closed sports grounds
- Big slip onto Marine Drive at Eastbourne

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**Data Source**

- 1 Rain-lashed Area Faces A Major Roadway Dilemma: Gisborne Herald, 19/09/1977, p1
  - 2 More Flooding as Torrential rain Sweeps District: Gisborne Herald, 17/09/1977, p1
  - 3 Eastbourne Again Hit by Slips, Adding to Earlier Storm Damage: Evening Post, 20/09/1977, p1
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