



Australian Government
Bureau of Meteorology

Tropical Cyclone *Hamish*

20 – 21 April 1999

Perth Tropical Cyclone Warning Centre
Bureau of Meteorology

A. Summary

A tropical low was analysed to the southwest of Sumatra from 16 April and intensified to cyclone *Hamish* by the afternoon of 20 April. *Hamish* moved to the southwest but approached a zone of high vertical wind shear to the south. The influence of the shear caused rapid weakening of the cyclone during the night of the 21st April.

B. Meteorological Description

The low intensified to Tropical Cyclone *Hamish* under a favourable upper air outflow and weak steering flow. *Hamish* was steered around the periphery of the 500 hPa ridge, however strong southeast flow in low levels caused a rapid increase in shear as the cyclone moved further south.

C. Impact

There is no known damage associated with Tropical Cyclone *Hamish*.

D. Observations

Hamish was located well out to sea during its lifecycle and therefore no observations were recorded.

Table 1. Best track summary for *Hamish*, 19 - 21 April 1999.

Note: Add 8 hours to convert to WST. Refer to best track database for complete track details.

Year	Month	Day	Hour (UTC)	Position Latitude S	Position Longitude E	Max wind 10min knots	Central Pressure hPa	Rad. of Gales nm
1999	04	19	1000	10.5	93.6	25	1002	
1999	04	19	1300	11.0	93.4	25	1002	
1999	04	19	1600	11.4	93.2	25	1002	
1999	04	19	1900	11.5	93.1	25	1000	
1999	04	19	2200	11.6	93.0	25	1000	
1999	04	20	0100	11.7	92.9	25	1000	
1999	04	20	0400	12.0	92.8	30	998	
1999	04	20	0700	12.6	92.7	35	995	10
1999	04	20	1000	13.1	92.7	40	990	25
1999	04	20	1300	13.5	92.5	50	985	45
1999	04	20	1600	13.7	92.2	55	980	60
1999	04	20	1900	13.9	91.8	55	980	75
1999	04	20	2200	14.0	91.5	55	980	75
1999	04	21	0100	14.4	91.3	55	980	75
1999	04	21	0400	14.7	91.1	50	985	65
1999	04	21	0700	14.9	90.8	50	985	55
1999	04	21	1000	15.2	90.5	40	990	50
1999	04	21	1300	15.4	90.2	35	995	30
1999	04	21	1600	15.6	89.8	30	998	
1999	04	21	1900	15.8	89.4	30	998	
1999	04	21	2200	15.9	89.1	25	1000	

Figure 1. Track of Tropical Cyclone *Hamish*, 19 – 22 April 1999.

All times in WST.

