

WIND WARNING IMPROVEMENTS FOR NSW

> BUREAU OF METEOROLOGY > WEATHER SERVICES > MARINE

The Bureau of Meteorology is upgrading its forecast system to provide more detailed forecasts across Australia.

From September 2010, new and improved services will be introduced in NSW

Coastal Waters Wind Warning for New South Wales waters between Ulladulla and Seal Rocks.

Issued at 4:32 am EST on Tuesday 1 June 2010.

Please be aware

Wind gusts can be 40 percent stronger than the averages given here, and maximum waves may be up to twice the height.

Weather Situation

A low pressure system off Macquarie Coast is expected to continue moving slowly to the north and weaken this evening.

Strong wind warning for New South Wales waters between Ulladulla and Seal Rocks. Winds: North to northeasterly increasing up to 30 knots during Tuesday morning. Combined sea and swell: Increasing up to 3 metres.

Combined sea and swell included to better describe the total sea state

Note: The Sydney Local Waters will receive a separate warning service.

What is combined sea and swell?

Combined sea and swell provides a good description of the conditions you will actually experience on the open water. It's a combination of the height of the sea and the swell. Combined sea and swell is also known as total wave height or significant wave height.

It can be calculated using a lookup table like this:

		SWELL HEIGHT (metres)											
		0	0.5	1	1.5	2	2.5	3	4	5	6	7	8
SEA WAVE HEIGHT (metres)	0.5	0.5	0.7	1.1	1.6	2.1	2.6	3	4	5	6	7	8
	1	1	1.2	1.4	1.8	2.2	2.7	3.2	4.1	5.1	6.1	7.1	8.1
	1.5	1.5	1.6	1.8	2.1	2.5	2.9	3.4	4.3	5.2	6.2	7.2	8.1
	2	2	2.1	2.2	2.5	2.8	3.2	3.6	4.5	5.4	6.3	7.3	8.2
	2.5	2.5	2.6	2.7	2.9	3.2	3.5	3.9	4.7	5.6	6.5	7.4	8.4
	3	3	3	3.2	3.4	3.6	3.9	4.2	5	5.8	6.7	7.6	8.5
	4	4	4	4.1	4.3	4.5	4.7	5	5.7	6.4	7.2	8.1	8.9
	5	5	5	5.1	5.2	5.4	5.6	5.8	6.4	7.1	7.8	8.6	9.4
	6	6	6	6.1	6.2	6.3	6.5	6.7	7.2	7.8	8.5	9.2	10
	7	7	7	7.1	7.2	7.3	7.4	7.6	8.1	8.6	9.2	9.9	10.6
	8	8	8	8.1	8.1	8.2	8.4	8.5	8.9	9.4	10	10.6	11.3
9	9	9	9.1	9.1	9.2	9.3	9.5	9.8	10.3	10.8	11.4	12	
10	10	10	10	10.1	10.2	10.3	10.4	10.8	11.2	11.7	12.2	12.8	

