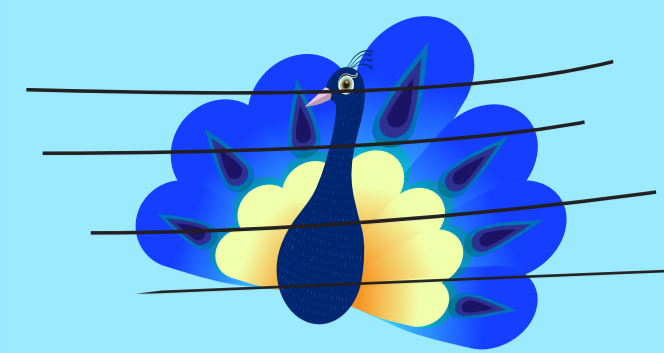


Beaufort Scale



ESTIMATION OF WIND SPEED



Scale	Conditions at Sea	Wind Speed
0 Calm	Sea like a mirror.	1 km/h or less 1 knot or less
1 Light Air	Scaly ripples without foam crests. Wave height: 0.1 m	1 – 5 km/h 1 – 3 knots
2 Light Breeze	Small wavelets, crests have a glassy appearance, not breaking. 0.2 – 0.3 m	6 – 11 km/h 4 – 6 knots
3 Gentle Breeze	Large wavelets, crests begin to break, scattered whitecaps. 0.6 – 1 m	12 – 19 km/h 7 – 10 knots
4 Moderate Breeze	Small waves becoming longer, numerous whitecaps. 1 – 1.5 m	20 – 29 km/h 11 – 16 knots
5 Fresh Breeze	Moderate waves taking longer form, many whitecaps, some spray. 2 – 2.5 m	30 – 39 km/h 17 – 21 knots
6 Strong Breeze	Larger waves begin to form, whitecaps everywhere, more spray.. 3 – 4 m	40 – 50 km/h 22 – 27 knots
7 Near Gale	Sea heaps up, white foam from breaking waves begins to be blown in streaks. 4 – 5.5 m	51 – 61 km/h 28 – 33 knots
8 Gale	Moderately high waves of greater length, edges of crests begin to break into spindrift. 5.5 – 7.5 m	62 – 74 km/h 34 – 40 knots
9 Strong Gale	High waves, sea begins to roll, dense streaks of foam. 7 – 10 m	75 – 87 km/h 41 – 47 knots
10 Storm	Very high waves with overhanging crests, heavy rolling, reduced visibility. 9 – 12.5 m	88 – 101 km/h 48 – 55 knots
11 Violent Storm	Exceptionally high waves, sea covered with white foam patches, very poor visibility. 11.5 – 16 m	102 – 117 km/h 56 – 63 knots
12 Hurricane	Huge waves, sea is completely white with driving spray, air filled with foam. >14 m	118 km/h or more 64 knots or more

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