

# BEAUFORT SCALE

Beaufort Number	Anemometer Reading Wind Velocity		Description	Lake Observation	Nearshore Wave Height
	Knots	Km/hr.			
0	0-1	1	Calm	Glassy smooth; mirror-like	Smooth
1	1-3	1-5	Light air	Ripples	Ripples
2	4-6	6-11	Light breeze	Small short wavelets	10 cm
3	7-10	12-19	Gentle breeze	Large wavelets; crests begin to break	11 - 60 cm
4	11-16	20-28	Moderate breeze	Small waves; some white-caps	60 cm - 1 m
5	17-21	29-38	Fresh breeze	Better formed waves; many white-caps	1 to 1.2 m
6	22-27	39-49	Strong breeze	Large waves, many white-caps; umbrellas hard to use	1.2 to 1.5 m
7	28-33	50-61	Near gale	Large to very large waves; walking in wind is difficult	1.5 - 1.8 m
8	34-40	62-74	Gale	Very large waves; twigs breakoff trees	1.8 - 2.2 m
9	41-47	75-88	Strong gale	High seas; wind damages buildings, blow off roof shingles	2.2 - 3.5 m
10	48-55	89-102	Storm	High seas; wind uproots trees	3.5 - 4 m
11	56-63	103-117	Violent storm	High seas; wind causes widespread damage	4 - 4.5 m
12	>63	>117	Hurricane	High seas; Category 1 hurricane.	>4.5 m



