
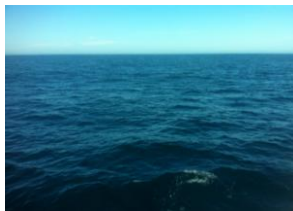
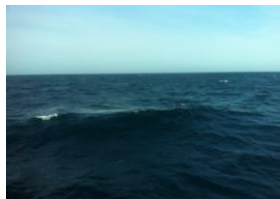





SEA STATE AND WIND FORCE

KAI Marine Services

Beaufort Scale			Specifications	Douglas Scale			
Wind Force	Beaufort Category	Wind Speed (knots) (ms ⁻²)		Example	Sea state	Douglas Category	Wave height (m)
0	Calm	0-1 0-0.3	The sea is very flat and mirror-like.		0	Calm	0
1	Light air	1-3 0.4-1.4	The sea begins to curl, scaley ripples, no foam crests		1	Curl	0 – 0.25
2	Light breeze	4-6 1.5-3	Small wavelets, without breaking				
3	Gentle breeze	7-10 3.1-5.3	Large wavelets, crests begin to break and scattered whitecaps.		2	Swell	0.25 – 0.50
4	Moderate breeze	11-16 5.4-7.8	Small waves, becoming longer and numerous whitecaps.		3	Surge	0.50 – 1.25