

# BEAUFORT FORCE WIND SCALE

BEAUFORT FORCE	WIND SPEED MPH	WIND SPEED KNOTS	WAVE HT. FEET	WMO DESCRIPT.	EFFECTS ON LAND	EFFECTS AT SEA
0	< 1	< 1	0	CALM	CALM, SMOKE RISES VERTICALLY	SEA LIKE MIRROR
1	1-3	1-3	.25	LIGHT AIR	DIRECTION OF WIND SHOWN BY SMOKE DRIFT BUT NOT BY WIND VANES	RIPPLES WITH APPEARANCE OF SCALES. NO FOAM CRESTS
2	4-7	4-6	.5-1	LIGHT BREEZE	WIND FELT ON FACE, LEAVES RUSTLE, VANES MOVED BY WIND	SMALL WAVELETS, CRESTS GLASSY, NOT BREAKING
3	8-12	7-12	2-3	GENTLE BREEZE	LEAVES AND SMALL TWIGS IN CONSTANT MOTION, WIND EXTENDS LIGHT FLAG	LARGE WAVELETS, CRESTS BEGIN BREAKING, SCATTERED WHITECAPS
4	13-18	11-16	3.5-5	MODERATE BREEZE	WIND RAISES DUST AND LOOSE PAPER, SMALL BRANCHES ARE MOVED	SMALL WAVES, BECOMING LONGER, NUMEROUS WHITECAPS
5	19-24	17-21	6-8	FRESH BREEZE	SMALL TREES BEGIN TO SWAY, CRESTED WAVELETS FORM ON INLAND WATERS	MODERATE WAVES TAKING LONGER FORM, MANY WHITECAPS, SOME SPRAY
6	25-31	22-27	9.5-13	STRONG BREEZE	LARGE BRANCHES MOVE, WHISTLING HEARD IN WIRES, UMBRELLAS DIFF.	LARGER WAVES FORMING, WHITECAPS EVERYWHERE. MORE SPRAY
7	32-38	28-33	13.5-19	NEAR GALE	WHOLE TREES IN MOTION, INCONVENIENCE FELT WALKING AGAINST WIND	SEA HEAPS UP, WHITE FOAM FROM BREAKING WAVES BEGINS TO STREAK
8	39-46	34-40	18-25	GALE	TWIGS BREAK OFF TREES, WIND GENERALLY IMPEDES PROGRESS	MODERATELY HIGH WAVES OF GREATER LENGTH, FOAM BLOWN IN STREAKS
9	47-54	41-47	23-32	STRONG GALE	WIND CAUSES SLIGHT STRUCTURAL DAMAGE	HIGH WAVES, SEA BEGINS TO ROLL, DENSE FOAM STREAKS, SPRAY < VIS.
10	55-63	48-55	29-41	STORM	TREES UPROOTED, CONSIDERABLE STRUCTURAL DAMAGE	VERY HIGH WAVES, OVERHANGING CRESTS, HEAVY ROLLING, FOAM STREAKING
11	64-72	56-63	37-52	VIOLENT STORM	WIND ACCOMPANIED BY WIDESPREAD DAMAGE	EXCEPTIONALLY HIGH WAVES, SEA COVERED IN WHITE FOAM PATCHES
12	73 >	64 >	45 >	HURRICANE	WIND ACCOMPANIED BY WIDESPREAD DAMAGE	AIR FILLED WITH FOAM, SEA COMPLETELY WHITE WITH DRIVING SPRAY