

The Weather Factor
Beaufort Wind Scale
 (For estimating wind speed)

Beaufort Number	MPH	Knots	Name	Description of Effects
0	0-1	0-1	calm	smoke rises vertically
1	1-4	1-3	light air	smoke drifts, tree leaves move
2	5-8	4-7	slight breeze	leaves rustle, wind can be felt
3	9-14	8-12	gentle breeze	leaves and twigs in motion
4	15-20	13-17	moderate breeze	small branches move
5	21-25	18-22	fresh breeze	small trees with leaves sway
6	26-31	23-27	strong breeze	wind whistles, large branches move
7	32-37	28-32	moderate gale	whole trees move, difficult to walk
8	38-43	33-37	fresh gale	twigs break off of trees
9	44-49	38-42	gale	branches break, some damage to roofs
	50-54	43-47	strong gale	trees uprooted, heavy building damage
10	55-60	48-52	whole gale	considerable damage
	61-66	53-57	moderate storm	widespread damage
11	67-71	58-62	storm	very rarely experienced
12	72+	63+	hurricane	severe damage