

WMO Classification
Calm
Light Air
Light Breeze
Gentle Breeze
Moderate Breeze
Fresh Breeze
Strong Breeze
Near Gale
Gale
Strong Gale
Storm
Violent Storm
Hurricane

Appearance of Wind Effects
On the Water
Sea surface smooth and mirror-like
Scaly ripples, no foam crests
Small wavelets, crests glassy, no breaking
Large wavelets, crests begin to break, scattered whitecaps
Small waves 1-4 ft. becoming longer, numerous whitecaps
Moderate waves 4-8 ft taking longer form, many whitecaps, some spray
Larger waves 8-13 ft, whitecaps common, more spray
Sea heaps up, waves 13-20 ft, white foam streaks off breakers
Moderately high (13-20 ft) waves of greater length, edges of crests begin to break into spindrift, foam blown in streaks
High waves (20 ft), sea begins to roll, dense streaks of foam, spray may reduce visibility
Very high waves (20-30 ft) with overhanging crests, sea white with densely blown foam, heavy rolling, lowered visibility
Exceptionally high (30-45 ft) waves, foam patches cover sea, visibility more reduced
Air filled with foam, waves over 45 ft, sea completely white with driving spray, visibility greatly reduced

On Land
Calm, smoke rises vertically
Smoke drift indicates wind direction, still wind vanes
Wind felt on face, leaves rustle, vanes begin to move
Leaves and small twigs constantly moving, light flags extended
Dust, leaves, and loose paper lifted, small tree branches move
Small trees in leaf begin to sway
Larger tree branches moving, whistling in wires
Whole trees moving, resistance felt walking against wind
Whole trees in motion, resistance felt walking against wind
Slight structural damage occurs, slate blows off roofs
Seldom experienced on land, trees broken or uprooted, "considerable structural damage"
Get the heck outta of there
Relocate to Canada