

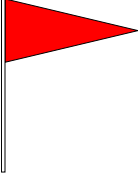
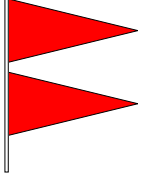




## Additional & Weather Warning Flags

|  |   |
|--|---|
| <b>Diver Down;</b><br>stay clear<br>                              | <b>Jolly Roger</b><br>(Pirate)<br>   |
| <b>Small Craft Advisory;</b><br>winds up to 38 mph (33 knots)<br> | <b>Gale Warning;</b><br>39-54 mph (34-47 knots) winds; danger to all craft<br> |
| <b>Storm Warning;</b><br>55-73 mph (48-63 knots) winds<br>        | <b>Hurricane Warning;</b><br>74+ mph (64+ knots) winds<br>                     |

## Wind Velocity

| Beaufort Scale           | Seas  | Wind Knots | Wave Height |
|--------------------------|---|------------|-------------|
| <b>0 calm</b>            | mirror-like   |            |             |
| <b>1 light air</b>       | ripples appear scaly; no foam crests  | 1 – 3      |             |
| <b>2 light breeze</b>    | small wavelets are short and pronounced; non-breaking crests appear glassy  | 4 – 6      | 1 foot      |
| <b>3 gentle breeze</b>   | large wavelets; crests starting to break; foam appears glassy; whitecaps occasionally   | 7 – 10     | 2 feet      |
| <b>4 moderate breeze</b> | small, lengthening waves; frequent whitecaps  | 11 – 16    | 3 feet      |
| <b>5 fresh breeze</b>    | moderate waves with more pronounced length; many whitecaps with some spray possible   | 17 – 21    | 6 feet      |
| <b>6 strong breeze</b>   | large waves forming; more extensive white foamy crests with probable spray  | 22 – 27    | 10 feet     |
| <b>7 near gale</b>       | heaping sea; streaks of white foam blown from breaking waves  | 28 – 33    | 13 feet     |
| <b>8 gale</b>            | lengthy waves of moderate height; spindrift beginning to break from wave crests; well-defined blown foam streaks                            | 34 – 40    | 18 feet     |
| <b>9 strong gale</b>     | high waves with dense foam streaks; wave crests starting to topple and roll; spindrift affects visibility                                   | 41 – 47    | 22 feet     |
| <b>10 storm</b>          | very high waves have long overhanging crests; dense white streaks blown from heavy foam; entire sea surface appears white; heavy sea action | 48 – 55    | 29 feet     |
| <b>11 violent storm</b>  | exceptionally high frothy waves and foam greatly affect visibility  | 56 – 63    | 36 feet     |
| <b>12 hurricane</b>      | white seas; foam and spray fill the air   | 64 – 71    | 45 feet     |

Data from Beaufort Scale in ASA's *Sailing Fundamentals*, pg. 166.