

<u>TYPE OF ISSUANCE</u>	<u>What is Expected To Occur</u>
<b>WINTER WEATHER ADVISORY</b>	<p>When any of the following is expected within the next 12 to 24 hours:</p> <p>Blowing Snow...</p> <ul style="list-style-type: none"> <li>▪ Visibility substantially reduced over a wide area due to wind-driven snow with winds less than 35 mph. Usually NOT issued for localized occurrences.</li> </ul> <p>Freezing Rain...</p> <ul style="list-style-type: none"> <li>▪ Any accretion of freezing rain or freezing drizzle on road surfaces.</li> </ul> <p>Mixed Precipitation...</p> <ul style="list-style-type: none"> <li>▪ Winter weather event having more than one predominant hazard (i.e., snow and ice, snow and sleet, or snow, ice &amp; sleet) meeting or exceeding advisory criteria for at least one of the precipitation elements, but remaining below warning criteria.</li> </ul> <p>Snow...</p> <ul style="list-style-type: none"> <li>▪ 4 inches averaged over a forecast zone in 12 hours.</li> </ul> <p>Snow and Blowing Snow...</p> <ul style="list-style-type: none"> <li>▪ 4 inches snowfall averaged over a forecast zone in 12 hours with visibility substantially reduced over a wide area due to wind-driven snow with winds less than 35 mph.</li> </ul> <p>Wind Chill...</p> <ul style="list-style-type: none"> <li>▪ Wind chill temperature between -20°F and -29°F for at least 3 hours with a sustained wind speed of at least 10 mph.</li> </ul>
<b>WINTER STORM WARNING</b>	<p>When any of the following is expected within the next 12 to 36 hours:</p> <p>Blizzard...</p> <ul style="list-style-type: none"> <li>▪ Sustained winds or frequent gusts <math>\geq</math> 35 mph AND considerable falling and/or blowing snow frequently reducing visibility <math>&lt; \frac{1}{4}</math> for <math>\geq</math> 3 hours (Blizzard conditions need to be the <i>predominant condition over a 3 hour period</i>)</li> </ul> <p>Heavy Snow...</p> <ul style="list-style-type: none"> <li>▪ 6 inches averaged over a forecast zone in a 12 hour period</li> <li>▪ 9 inches averaged over a forecast zone in a 24 hour period</li> </ul> <p>Ice Storm...</p> <ul style="list-style-type: none"> <li>▪ <math>\frac{1}{2}</math> inch or greater elevated flat surface accretion of freezing rain</li> </ul> <p>Wind Chill...</p> <ul style="list-style-type: none"> <li>▪ Wind chill temperature reaching -30°F or colder for at least 3 hours with a sustained wind of at least 10 mph</li> </ul>

	<p>Winter Storm...</p> <ul style="list-style-type: none"> <li>Winter weather event having more than one predominant hazard {i.e. heavy snow and blowing snow (below blizzard conditions), snow and ice, snow and sleet, sleet and ice, or snow, sleet and ice} meeting or exceeding warning criteria for at least one of the precipitation elements.</li> </ul>
<b>SNOW SQUALL WARNING</b>	Brief quick hitting heavy snow with gusty winds that leads to near white-out conditions.
<b>AVALANCHE WARNING</b>	Dangerous avalanche conditions are possible within the White Mountains Presidential Range. Warning is issued by the Forest Service Mount Washington Avalanche Center.
<b>WIND ADVISORY</b>	Sustained winds 31-39 mph (27-34 kts) for at least 1 hour; OR any gusts to 46-57 mph (40-49 kts).
<b>HIGH WIND WARNING</b>	Sustained winds 40-73 mph ( $\geq 35$ kts) for at least 1 hour; OR any gusts $\geq 58$ mph ( $\geq 50$ kts).
<b>SEVERE THUNDERSTORM WARNING</b>	Thunderstorms with wind gusts $\geq 58$ mph (50 kts) AND/OR hail $\geq 1$ " in diameter.
<b>TORNADO WARNING</b>	Likelihood of a tornado within the given area based on radar or actual sighting; usually accompanied by conditions indicated above for "Severe Thunderstorm Warning".
<b>FLOOD ADVISORY</b>	Expected inundation of some low lying and poor drainage areas, resulting in a nuisance to the public but not a threat to life and property.
<b>FLASH FLOOD WARNING</b>	Rapid and extreme flow of high water into a normally dry area, or a rapid water level rise in a stream or creek above a predetermined flood level, beginning within a short timeframe from the onset of heavy rain. A dam or levee failure, or water released from an ice jam is also considered.
<b>FLOOD WARNING</b>	Expected overflow or inundation by water which causes or will cause damage and/or a threat to life.
<b>RIVER FLOOD WARNING</b>	Water level at a River Forecast Point along a main-stem river (such as the Kennebec, Merrimack, Connecticut) is expected to reach or exceed flood stage.
<b>EXCESSIVE HEAT WARNING</b>	Daytime heat indices of $\geq 105^{\circ}\text{F}$ for 2 or more hours.
<b>HEAT ADVISORY</b>	Daytime heat indices of $95^{\circ}\text{F}$ - $104^{\circ}\text{F}$ for 2 or more hours.
<b>DENSE FOG ADVISORY</b>	Widespread visibility $\leq 1/4$ mile for at least 3 hours.
<b>FREEZING FOG ADVISORY</b>	Very light ice accumulation from predominantly freezing fog.
<b>FROST ADVISORY</b>	Issued under clear, light wind conditions with forecast minimum shelter temperature $33$ - $36^{\circ}\text{F}$ during growing season.
<b>FREEZE WARNING</b>	When minimum shelter temperature drops to $< 32^{\circ}\text{F}$ during growing season.
<b>RED FLAG WARNING</b>	<ul style="list-style-type: none"> <li>The mean of 1 hour and 10 hour fuel moistures are less than 10% in combination with the following weather conditions</li> </ul>

	<ul style="list-style-type: none"> <li>▪ Relative Humidity <math>\leq 20\%</math></li> <li>▪ Winds 10 – 14 mph</li> <li>▪ Wind speed and relative humidity ratios have different criteria</li> </ul>
<b>SMALL CRAFT ADVISORY</b>	Sustained winds or frequent gusts of 29-38 mph (25-33kts) AND/OR Seas $\geq 5$ feet within 24 hours.
<b>GALE WARNING</b>	Sustained winds or frequent gusts of 39-55 mph (34-47kts) within 24hrs from a non-tropical system.
<b>STORM WARNING</b>	Sustained winds or frequent gusts 55-73 mph (48-63kts) within 24 hours from a non-tropical system.
<b>SPECIAL MARINE WARNING</b>	Brief/sudden occurrence of sustained wind or frequent gusts $\geq 34$ knots, usually associated with thunderstorms; AND/OR hail $\geq 3/4$ " in diameter; also issued for waterspouts.
<b>HURRICANE FORCE WIND WARNING</b>	Sustained winds or frequent gusts $\geq 74$ mph ( $\geq 64$ kts) (> 2hrs) within 24 hours <i>from a non-tropical system</i> for coastal waters only.
<b>TROPICAL STORM WARNING</b>	Sustained winds 39-73 mph (34-63kts) (no gust criteria) <i>associated with a tropical storm</i> expected to affect a specified area within 24 hours.
<b>HURRICANE WARNING</b>	Sustained winds $\geq 74$ mph (64kts) (no gust criteria) <i>associated with a hurricane</i> expected to affect a specified area within 24 hours.
<b>COASTAL FLOOD STATEMENT</b>	Minor splash over along exposed coastal roads, nuisance coastal flooding of the most vulnerable locations.
<b>COASTAL FLOOD ADVISORY</b>	Minor coastal flooding expected within 12 hours. Examples include: splash over causing a few roads becoming briefly impassable, standing water in parking lots, inundation of low lying coastal areas of up to 1 foot and minor beach erosion.
<b>COASTAL FLOOD WARNING</b>	Coastal flooding expected within 12 hours; widespread serious coastal flooding which damages to property AND/OR is a threat to life, major beach erosion and inundation of low lying coastal areas of greater than 1 foot.
<b>FREEZING SPRAY ADVISORY</b>	Light to moderate accumulation of ice is expected on vessels.
<b>HEAVY FREEZING SPRAY WARNING</b>	Heavy accumulation of freezing water droplets on a vessel at a rate of 2 cm per hour or greater caused by some appropriate combination of cold water, wind, cold air temperature, and vessel movement.
<b>HIGH SURF ADVISORY</b>	Near-shore waves of 7 feet or greater or waves 5 feet or greater with a 10 second period during the summer from Memorial Day weekend through Columbus Day weekend.
<b>BEACH HAZARD STATEMENT</b>	Issued during the warm season on weekends and holidays when the sea surface temperatures are below 60°F with warm, mostly clear and calm conditions.
<b>AIR STAGNATION ADVISORY</b>	Issued when atmospheric conditions are stable enough to cause air pollutants to accumulate in a given area. Criteria developed by state EPA.