

Winter Outlook

Preview #2 - 2022 - 2023

Notable Trends



Cold in the Northern Plains with arctic shots early in the Midwest & Northeast



Mild in the Southeast to the Mid-Atlantic, but cold snaps can bring wintry weather



Storminess and above normal snowfall from the Great Lakes to northern New England

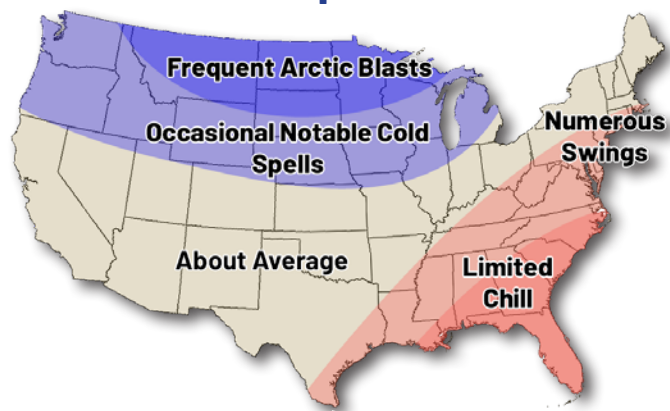


I-95 & the Mid-Atlantic drier than normal, may lead to below normal snowfall

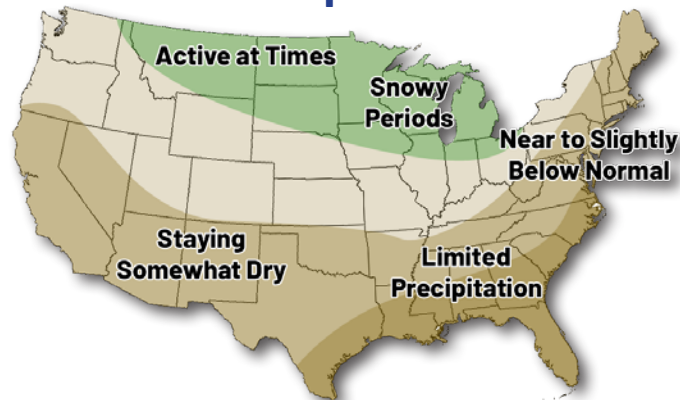


"Battle Zone" in the Ohio Valley to southern New England, more mixed events

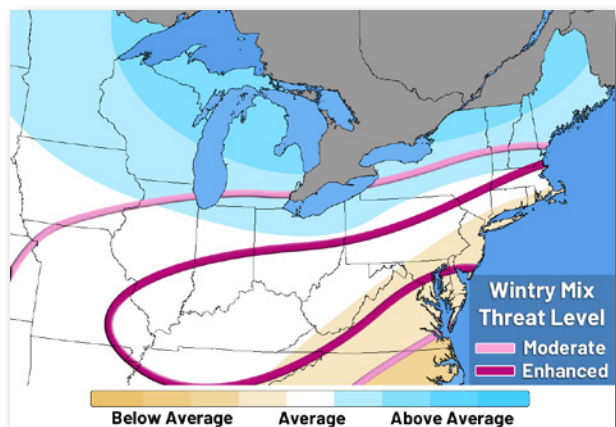
Temperature



Precipitation



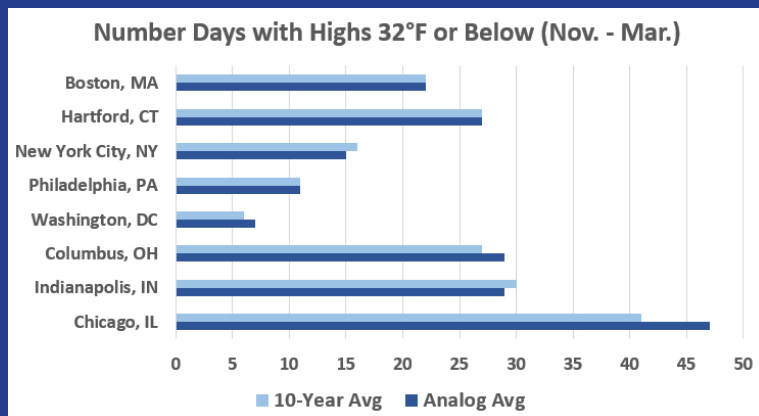
Snowfall Outlook



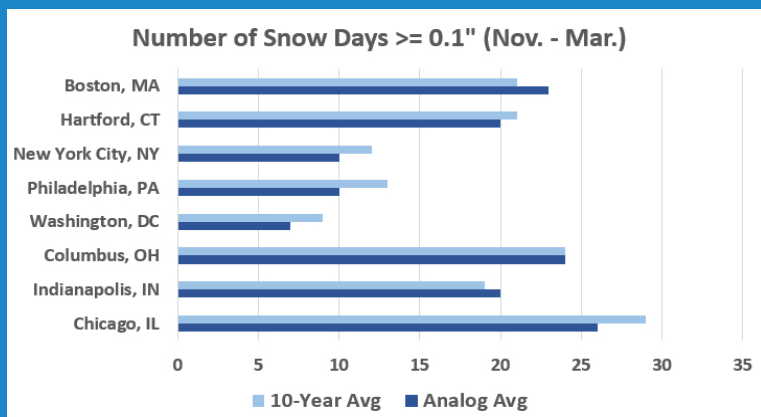
Comparing Winter 2022-23 to Similar Seasons

Number Days with Highs 32° or Below

- Similar seasons (analogs) to winter 2022-23 show a near to slightly above average number of days with highs 32° or below from the Midwest into the Northeast.
- Analysis suggests a higher than normal risk of freezing temperatures early in the season.
- A decent number of refreezes can still occur this season, despite drier and milder conditions in the Mid-Atlantic & along I-95.



Measurable Snow Days



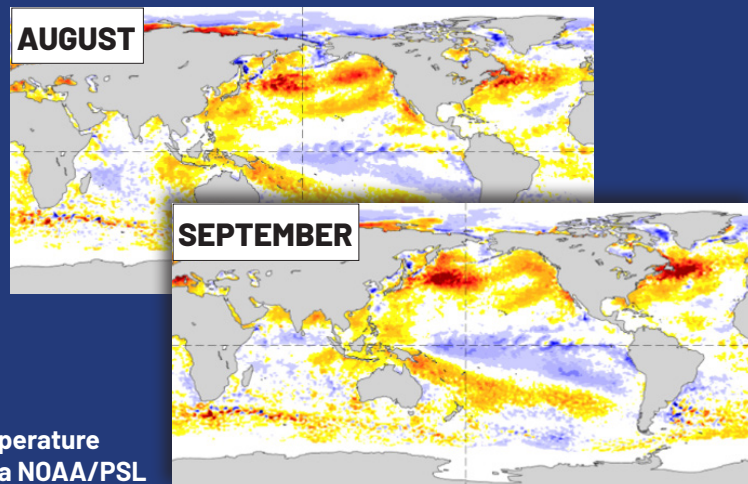
- Analog years show near to slightly above normal measurable snow days from the Midwest into New England.

- Slightly below normal measurable snow days were seen in the Mid-Atlantic & along I-95 (south of Boston).

- Looking at 2"+ events, more salting events are favored, with less plowable systems from the Mid-Atlantic into southern New England.
- Highest risk of more plowable events exists from the Great Lakes to northern New England.

Any Changes with the Winter Pattern?

- Warmest waters in the North Pacific have focused towards Japan in September. This means high pressure ridging over southern Alaska, forcing the worst of the cold into the Northwest US and northern Plains.
- La Niña remains (blue in tropical Pacific), it likely persists into early winter.
- The North Atlantic has warmed, which can promote Greenland blocking and more storminess in the Northeast, but the coldest air may set up farther west.



Snowfall Trends for Select US Cities

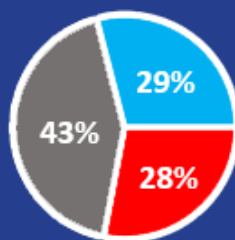
The charts below show how often similar years delivered below normal, above normal, or near normal snowfall. **In some cases, these charts differ from our forecast.** Despite this, we believe the charts help display the potential variation in seasonal snowfall.

■ Below ■ Near ■ Above

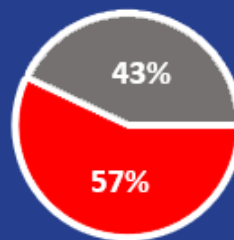
What Can We Learn from the Charts?

- Similar years show central parts of New England seeing near to slightly above normal snowfall.
- Boston has the highest risk of above normal snow, which may be due to coastal storms.
- The chance of below normal snowfall increases south of NYC into the Mid-Atlantic. Likely a result of dryness and milder conditions.

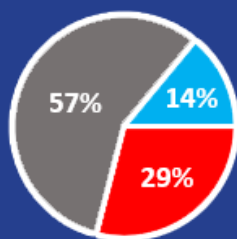
Boston, MA



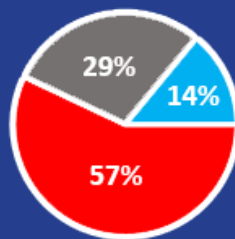
Hartford, CT



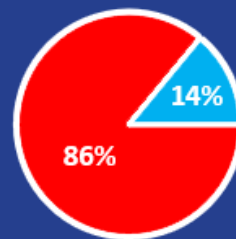
Albany, NY



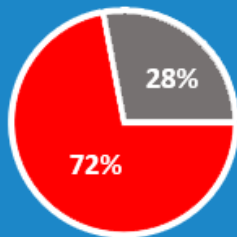
Newark, NJ



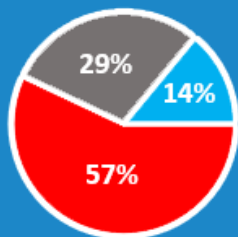
Allentown, PA



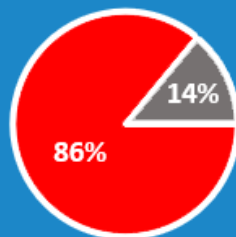
Philadelphia, PA



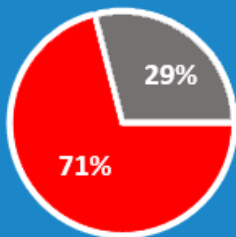
Atlantic City, NJ



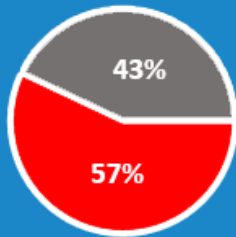
Baltimore, MD



Washington, DC



Richmond, VA



• South of the Mason - Dixon, there is still a small risk indicating near normal snowfall.

• Some "luck" is needed for cold snaps to line up with an active storm track for near normal snowfall in the Mid-Atlantic.

• Uncertainty exists along the coast, especially Richmond to Atlantic City. Timing will be key, but it may suggest extra moisture (maybe a scrape from a coastal storm?) and a few potentially plowable events.