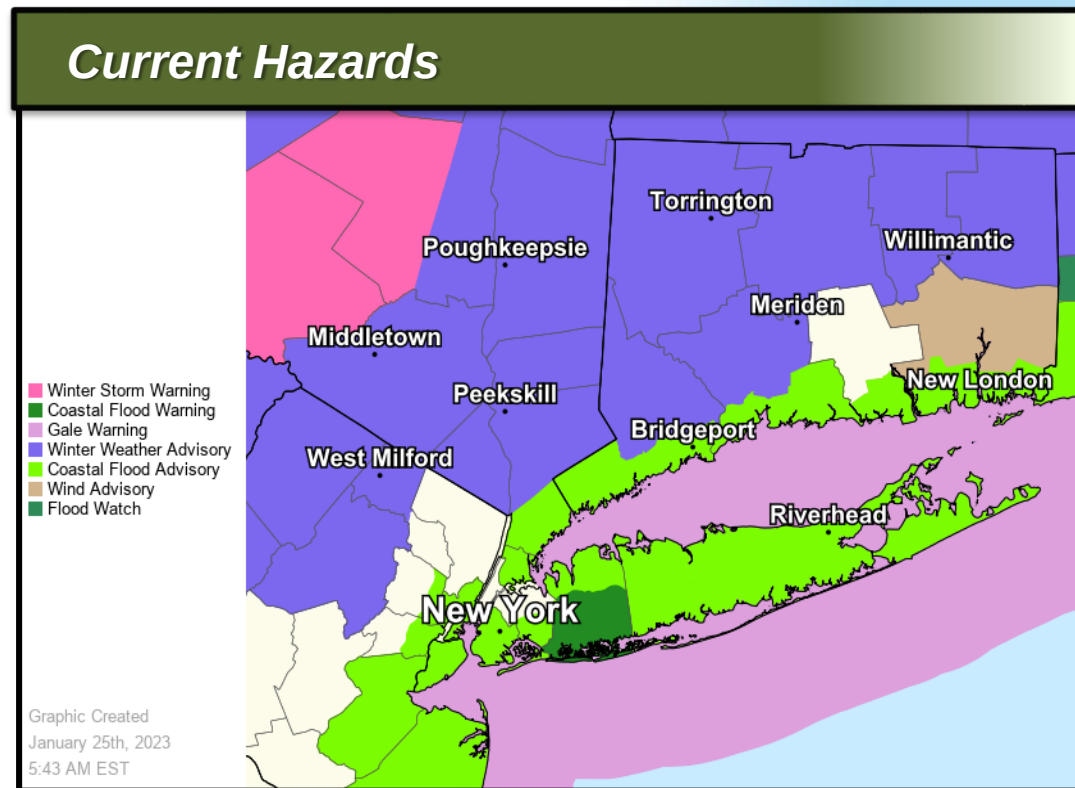


Winter Storm Today Through Tonight

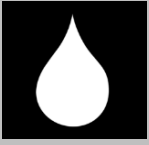
Decision Support Briefing #4
As of: 6:00 AM Jan 25, 2023

What Has Changed?

- *No changes to advisories or warnings from the previous briefing.*



Main Points

Hazard	Impacts	Locations	Timing
Snow 2 to 5" for Interior 	- Highest amounts in W Passaic and Orange County - Changeover to all rain this evening - Heavy wet snow character - Difficult Aft/Eve commute	Interior portions of the Lower Hudson Valley, NE NJ, and SW CT	Late morning through this evening
Heavy Rain 1 to 2 inches, locally 2.5" possible 	- Highest amounts for coast - Minor urban and poor drainage flooding likely - Small river and stream flooding possible in NE NJ, Lower Hud and SW CT.	Heaviest rain along the coast	Tonight
Strong Winds SE/S gusts to 50 mph 	- Strong winds will blow down scattered tree limbs and blow around unsecured objects. - Winds become west early Thu	Long Island and SE CT (35 - 45 mph gusts for remainder of coast)	Late afternoon and tonight
Marine Gale Conditions 	- SE 35 gust 45 kt late aftn and tonight, becoming W early Thu. - Ocean seas 9 to 14 ft. - Strong winds can cause hazardous seas which can capsize or damage vessels.	All nearshore waters	Late afternoon through tomorrow
Coastal Impacts Minor (1 to 2 ft flood AGL) to locally Moderate (2.5 ft AGL) 	- Widespread minor to locally moderate flooding likely for tonight's high tide for much of the coast. - Scattered areas of dune erosion along oceanfront	Localized moderate flooding threat mainly for S Nassau, possibly for S Queens and coastal Westchester and CT	Tonight's high tide

Summary of Greatest Impacts



Snow: Much of the Lower Hud Valley, NE NJ, and Interior SW CT

None

Limited

Elevated

Significant

Extreme



Heavy Rain: Entire Tri-State Region

None

Limited

Elevated

Significant

Extreme



Strong Winds: Long Island and SE CT

None

Limited

Elevated

Significant

Extreme



Marine: Nearshore Waters

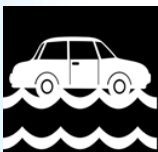
None

Limited

Elevated

Significant

Extreme



Coastal Impacts: Vulnerable locales along NY/NJ Harbor, tidally affected rivers, Jamaica Bay, S and E Bays of LI, and LI Sound

None

Limited

Elevated

Significant

Extreme

Presentation Created
1/25/2023 6:14 AM

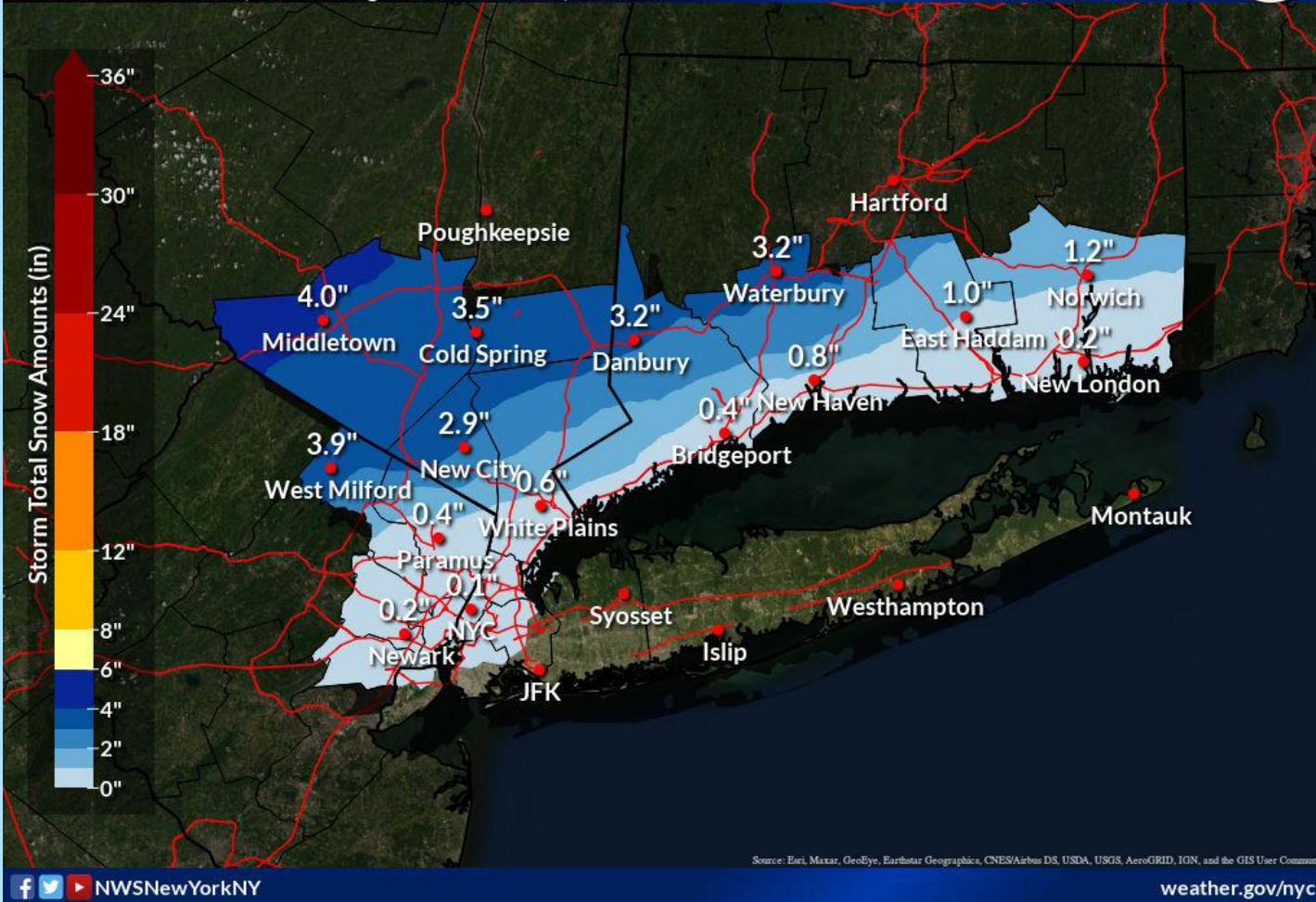
Most Likely Snowfall – Official Forecast

Expected Snowfall - Official NWS Forecast

Weather Forecast Office
New York, NY

Valid 7 AM Wed Jan 25, 2023 through 1 AM Thu Jan 26, 2023 EST

Issued Jan 25, 2023 3:51 AM EST



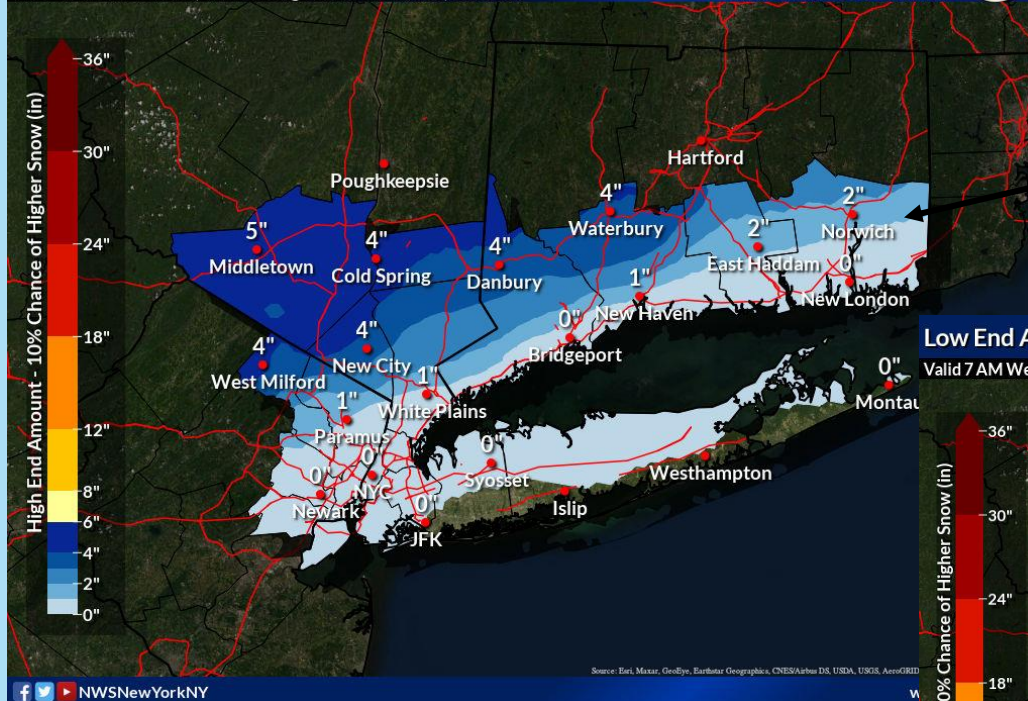
Probabilistic Snowfall Forecast

High End Amount - 1 in 10 Chance (10%) Of Higher Snowfall

Valid 7 AM Wed Jan 25, 2023 through 1 AM Thu Jan 26, 2023 EST

Weather Forecast Office
New York, NY

Issued Jan 25, 2023 3:51 AM EST



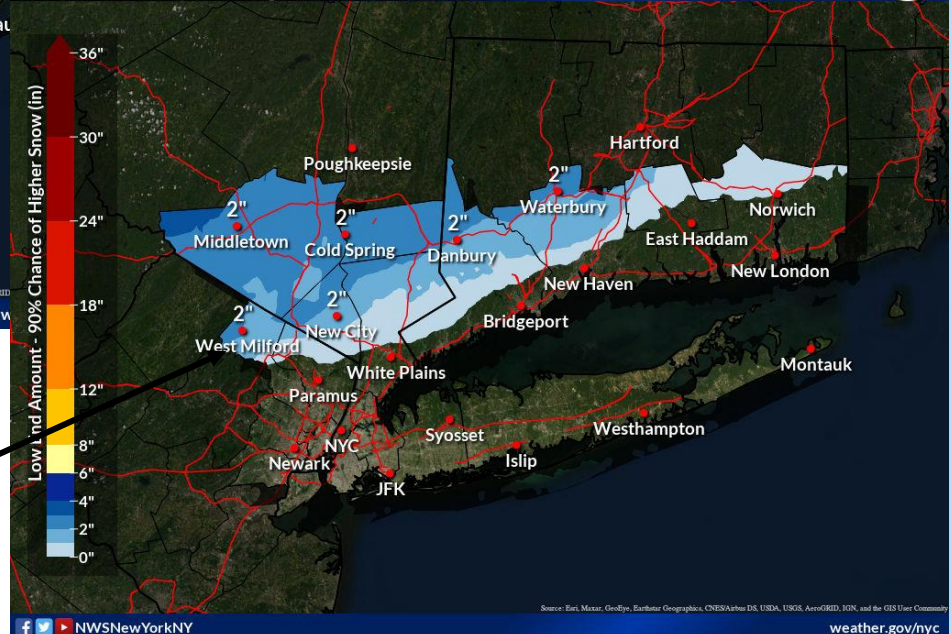
Snow amounts could be close to these levels if intensity of snow is locally heavier before changeover or the changeover takes longer to occur.

Low End Amount - 9 in 10 Chance (90%) Of Higher Snowfall

Valid 7 AM Wed Jan 25, 2023 through 1 AM Thu Jan 26, 2023 EST

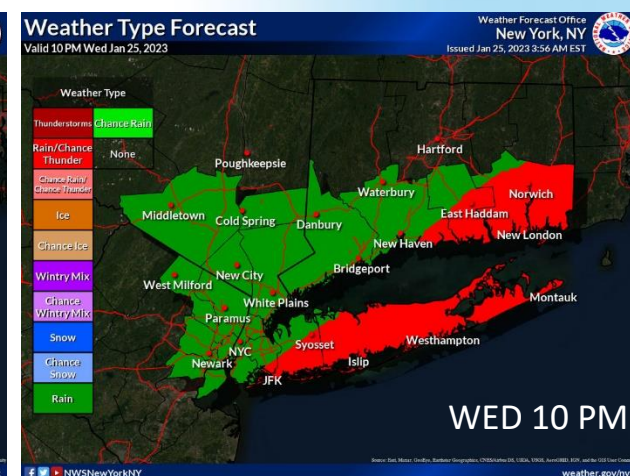
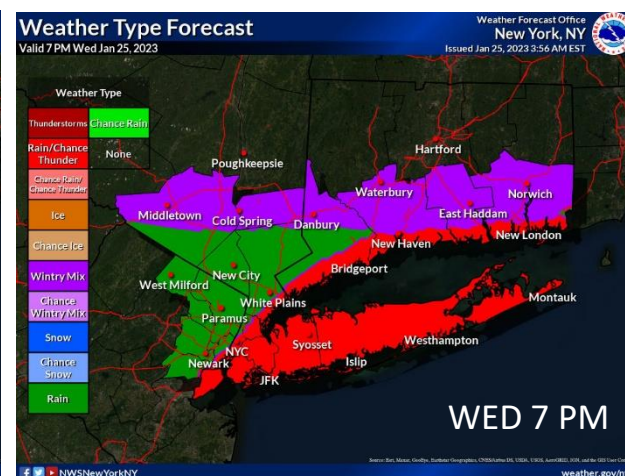
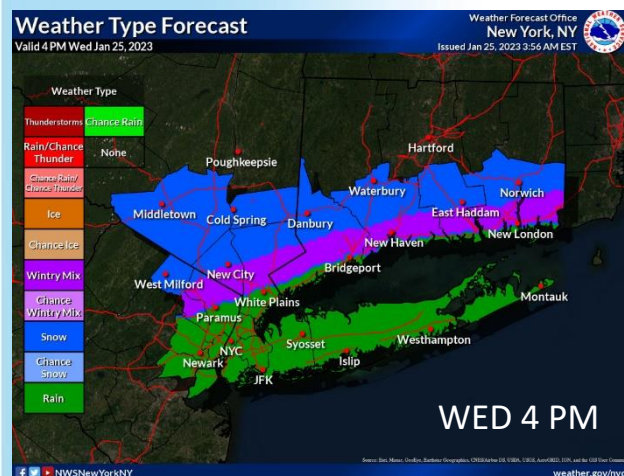
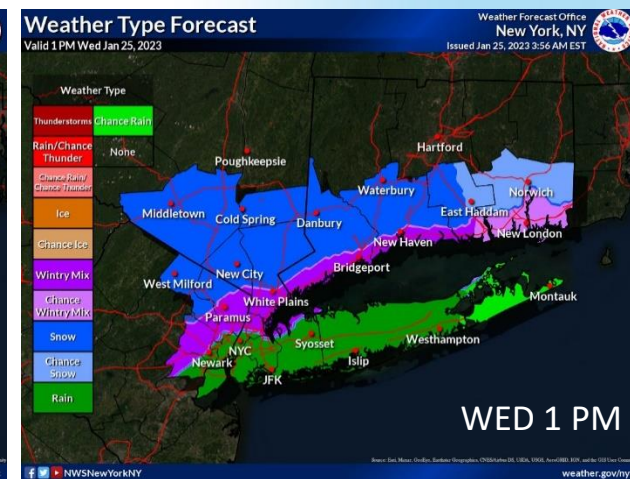
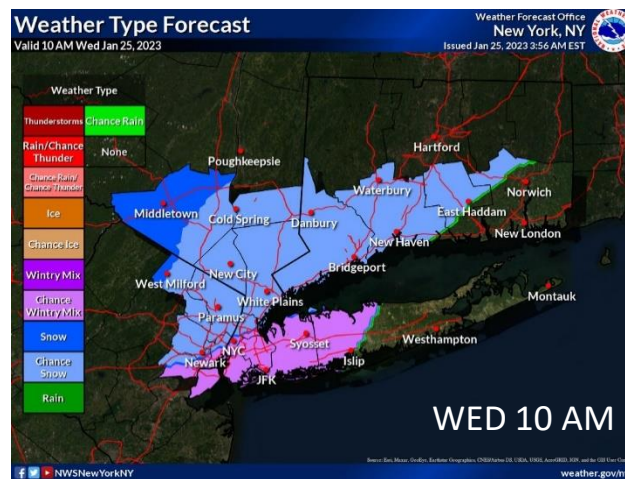
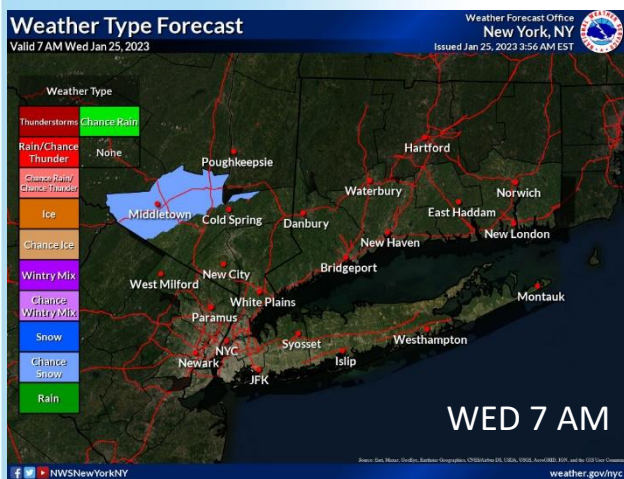
Weather Forecast Office
New York, NY

Issued Jan 25, 2023 3:51 AM EST



Expect at least this much snow.
This scenario is plausible if precipitation holds off until the mid to late afternoon, or if the change over from snow to rain is quicker than currently forecast.

Winter Precipitation Timing



Heavy Rain

Day 1 - Excessive Rainfall Outlook



Hazards and Impacts

- ✓ **Total Rainfall:** 1 to 2 inches, locally up to 3"
 - ✓ Heaviest rain along the coast, particularly S CT.
- ✓ **Rainfall Rates:**
 - ✓ 1/4 to 1/2" in 1hr
 - ✓ Moderate to High Probability of 1" in 3 hr

Impacts:

- ✓ **Minor Flooding of Urban Areas and Low-lying Roads likely.** This may be locally exacerbated near tidally affected rivers/streams and coastal communities with approach of high tide late this evening.
- ✓ **Minor flooding along small rivers, stream and creeks possible, particularly quick responding basins of NE NJ, Lower Hud, and SW CT.**

Timing:

- ✓ Heaviest rain – 6 hr period between 6pm this evening to 2am tomorrow.

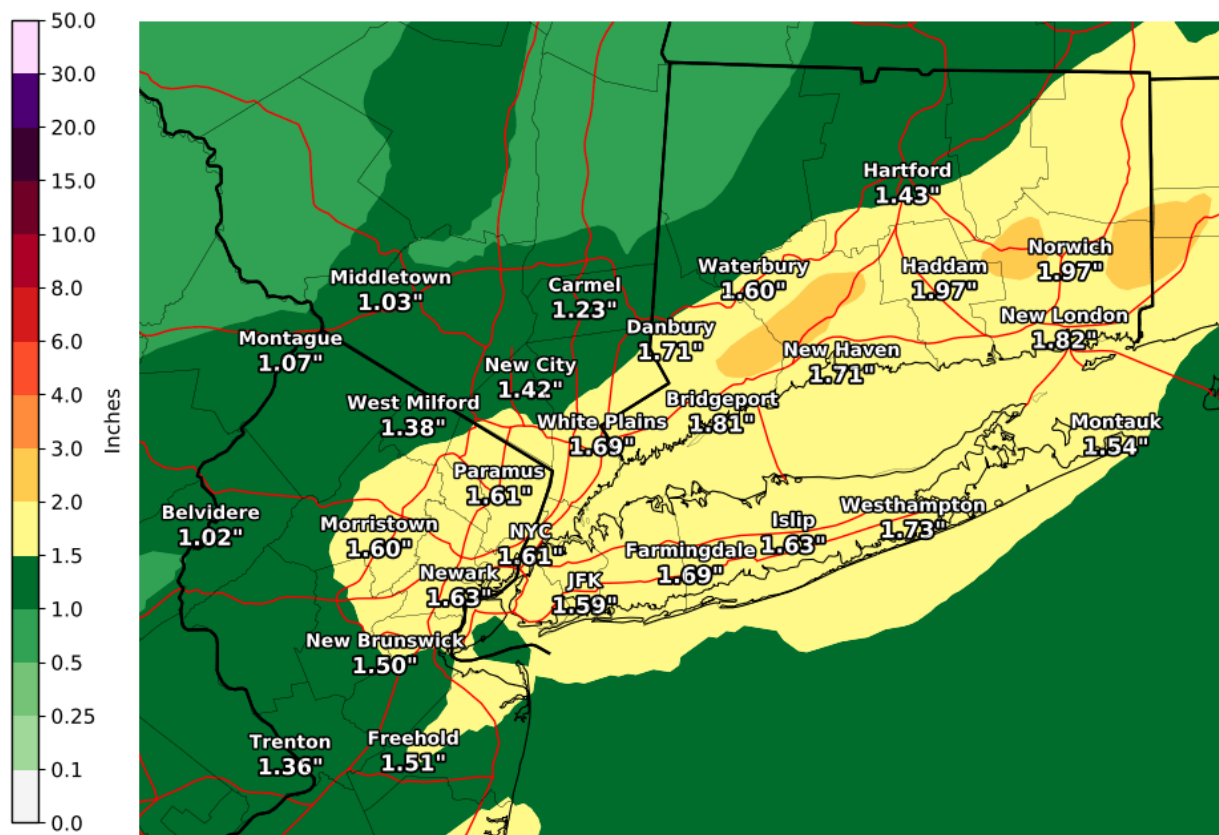
Forecast Challenges:

Flood impacts may be locally enhanced due to combo of moist soils, heavy rainfall and approaching storm tide tonight.

Official Rainfall Forecast

Expected Rainfall/Liquid Equivalent

Valid: 01/25/2023 12:00 AM - 01/28/2023 12:00 PM EST

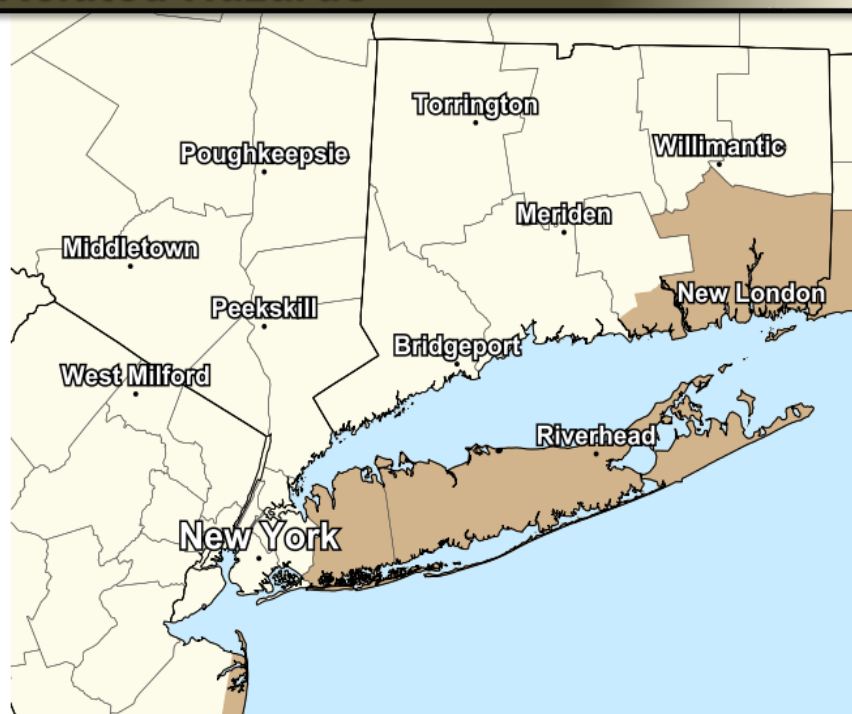


National Weather Service
New York NY
 01/25/2023 04:05 AM EST

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Strong Winds

Wind Related Hazards



Hazards and Impacts:

Wind Advisory for Long Island and extreme SE CT

Strong Winds Late tonight:

- ✓ **LI and extreme SE CT** - SE/S winds of 25 to 35 mph with gusts to 50 mph.
 - ✓ There is potential for locally damaging wind gusts to 60 mph with a narrow line of heavy showers and isolated thunderstorms ahead of the cold front tonight.
- ✓ **Rest of coast** - SE/S winds of 20 to 30 mph with gusts 35 to 45 mph

Winds Tomorrow- Winds will shift to the SW/W early tomorrow morning with speeds of 20 to 30 mph with gusts 35 to 45 mph for the entire area.

Impacts: Strong winds will blow down scattered tree limbs and blow around unsecured objects. Power outages are possible.

Timing:

- ✓ Strongest winds from 5pm tonight through 4am tomorrow.

Forecast Challenges:

Potential for locally damaging winds will be predicated on development of isolated thunderstorms tonight and early tomorrow, particularly across LI and SE CT.

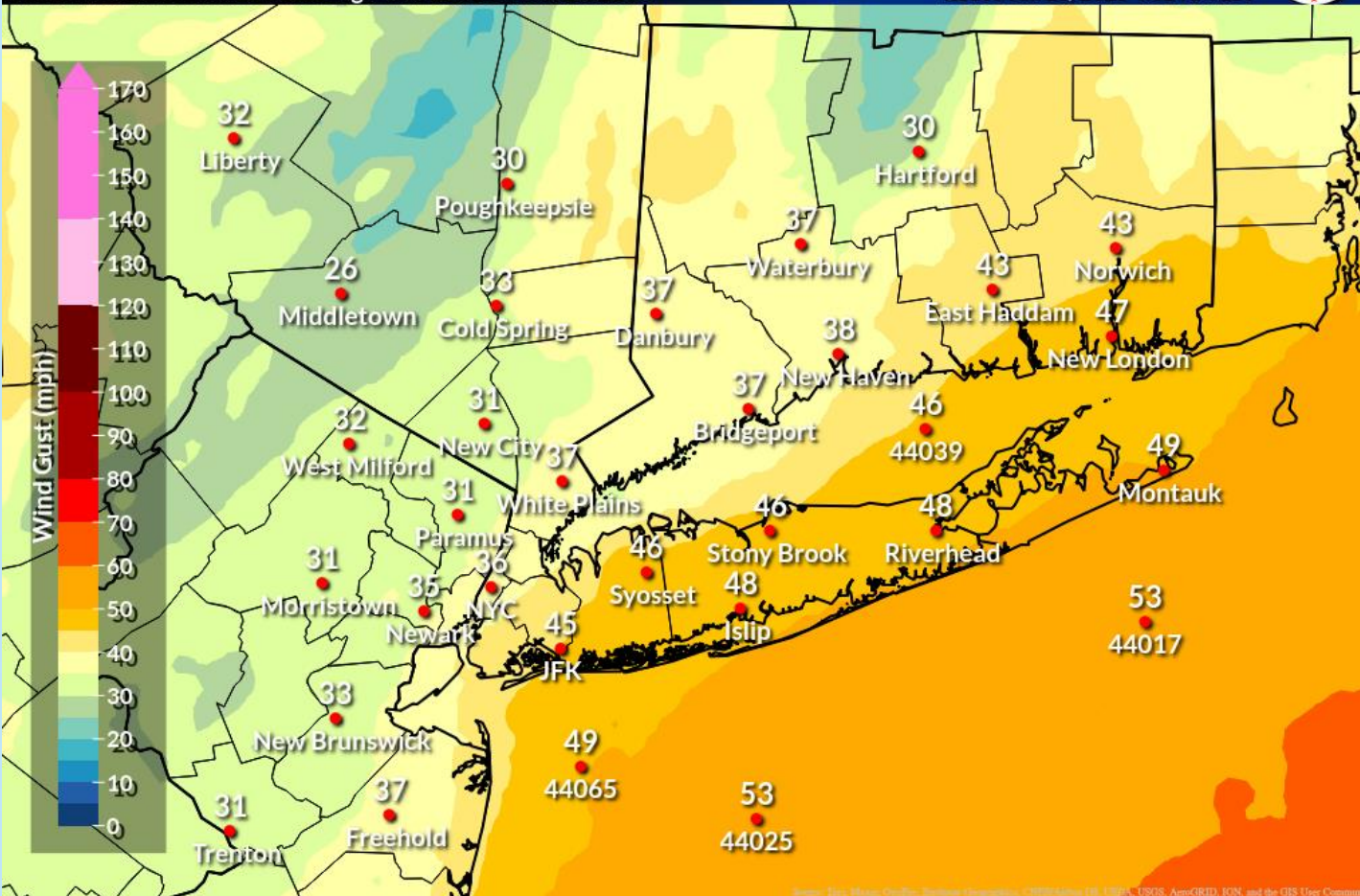
Strong Winds

Wednesday's Maximum Wind Gusts

Valid Wed Jan 25 7:00AM through Thu Jan 26 7:00AM EST

Weather Forecast Office
New York, NY

Issued Jan 25, 2023 4:02 AM EST

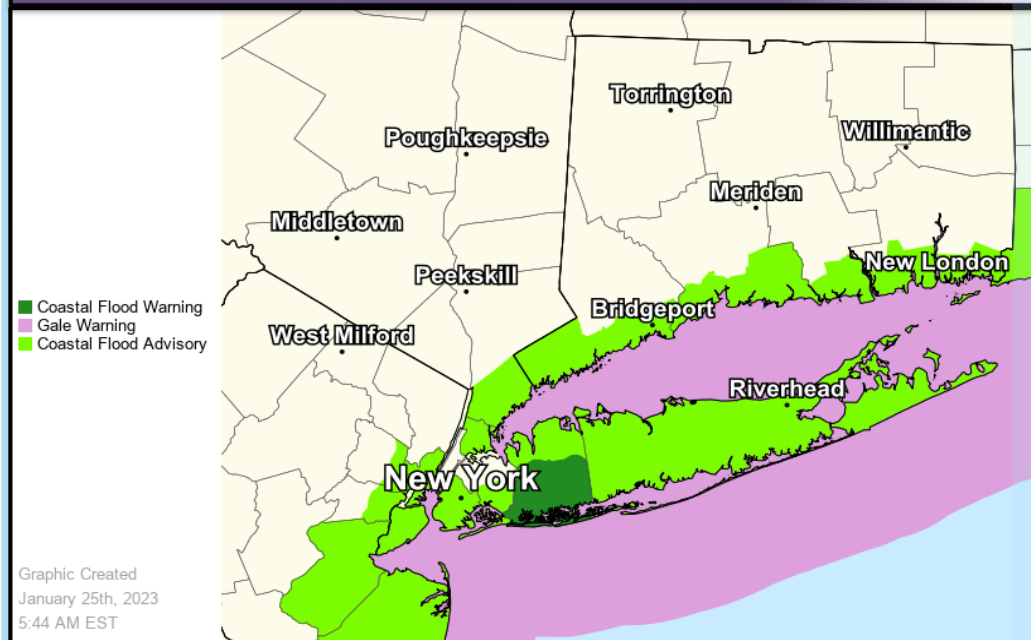


NWSNewYorkNY

weather.gov/nyc

Coastal Flooding

Marine / Coastal Hazards



Coastal Flood Hazards and Impacts:

- ✓ Southern Nassau County - **Widespread moderate coastal flooding expected** (2 to 2.5 ft of flooding above ground).
- ✓ Vulnerable S Queens and SW Suffolk communities, as well as vulnerable shoreline Westchester and coastal CT communities - **Isolated Moderate coastal flooding possible** (around 2 ft of flooding above ground)
- ✓ **Potential Impacts** – Widespread flooding of vulnerable areas near the waterfront and shoreline, including roads, parking lots, and homes and businesses with basements near the waterfront. Numerous road closures are likely, and vehicles parked in vulnerable areas near the waterfront will likely become flooded.
- ✓ **Rest of coast - Widespread Minor coastal flooding** (1 to 2 ft of flooding above ground)

Oceanfront Impacts –

- ✓ 7-12' breaking waves along the oceanfront, resulting in scattered areas of dune erosion. Low probability for overwashes.
- ✓ 3 to 5' along Western LI sound and Orient Point shoreline resulting in beach erosion and splashover.

Timing:

- ✓ Around and near the times of high tide tonight

For the latest coastal flood forecasts (hydrographs and tables) and the tools to visualize the potential coastal impacts (zoomable potential inundation map, impact catalogs, climatology, etc.) in your area of concern please go to the [NWS New York, NY Coastal Flooding Page](#)



Coastal Flooding Thresholds

	Minor (CF Advisory)	Moderate (CF Warning)	Major (Warning)
Picture	 Westport	 Lindenhurst	 New Haven
Hazard	• Low threat of property damage...and no direct threat to life. • 1 to 2 ft of inundation in shoreline and vulnerable areas.	• Elevated threat of property damage...with a risk to life if one places themselves in unnecessary danger. • 2 to 3 ft of inundation in shoreline and vulnerable areas. • Minor to no inundation of surrounding coastal communities.	• Significant threat to life and property. • 3-5+ ft of inundation in shoreline and other vulnerable areas. • Minor to moderate inundation (1 to 3 ft) of surrounding coastal communities that rarely experience coastal flooding.
Impact	• A few shoreline and vulnerable roadways and adjacent properties will experience shallow flooding.	• Several shoreline and vulnerable area home and businesses will experience water inside. • Several low-lying coastal and shoreline roads will be closed. • A few cars may take on water or even be destroyed.	• Evacuations will be necessary for the most vulnerable shoreline and coastal areas. • Many coastal communities will experience damage...with some shoreline and flood prone homes and businesses being destroyed. • Many cars will likely be submerged or washed away. • Several sections of nearshore roads and escape routes will be impassable and a few could be washed out. • Flood waters may extend well inland in low lying areas.



Event Summary

A quick moving low pressure system will affect the area today into early tomorrow.

- ✓ Potential for 2-5" of snowfall, across interior portions of northern NJ, Lower Hudson Valley and SW CT. Snow will change to rain everywhere by tonight.
- ✓ Heavy rainfall of 1.0" to 2.0", locally 3.0" for the Tri State. Urban and poor drainage flooding likely tonight into tomorrow. Small river and stream flooding possible.
- ✓ Southeasterly to southerly winds 20-35 mph with gusts 35-50 mph are likely over coastal areas late tonight into early tomorrow AM, highest for LI and SE CT. Winds then shift to the SW/W tomorrow morning with similar speeds through tomorrow afternoon.
- ✓ Gale conditions are expected on all waters this evening through tomorrow afternoon.
- ✓ Widespread minor to locally moderate coastal flooding potential for much of the coast. Moderate coastal flooding likely for south facing communities of southern Nassau, and possible for SW Suffolk, S Queens, and coastal Westchester and S CT for tonight's high tide cycle.