

Possible Fri Night - Sat Winter Storm

Briefing Number 2

Overview -

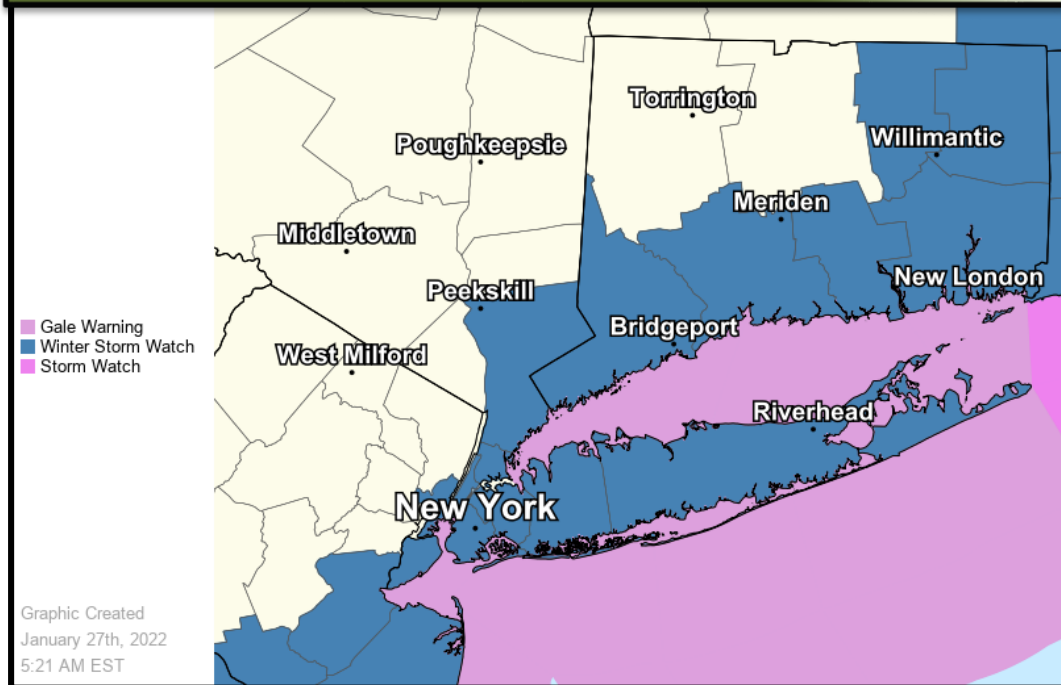
There is potential for a storm system to bring heavy snowfall and high winds, particularly to eastern portions of the area Friday night into Saturday night.

There is still an unusual amount of uncertainty in snow amounts with this storm 2 days out, significant changes are possible, please monitor subsequent forecast updates!




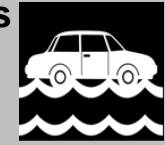
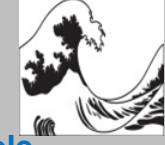
What's Changed?

Winter Storm Watch and Gale Warning now in effect for Friday Night through Saturday Night

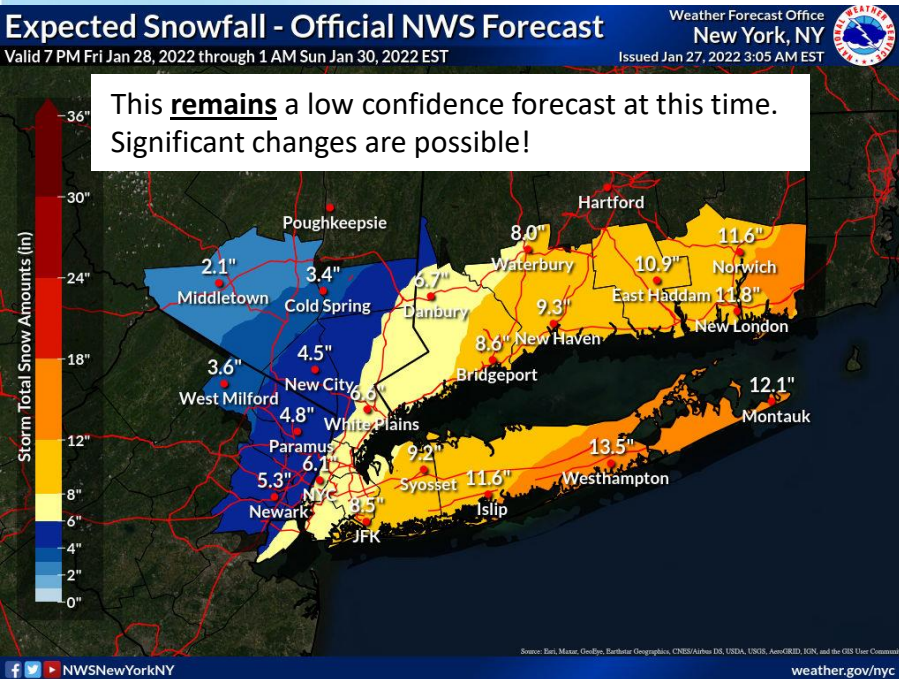
Current Hazards



Main Points

Hazard	Impacts	Location	Timing
Heavy Snow 6"+ Moderate to High Potential 	<ul style="list-style-type: none"> • Difficult travel • Near blizzard conditions possible 	Southern CT, Long Island	<ul style="list-style-type: none"> • Snow developing Fri Evening • Periods of heavy snow possible Sat AM into PM • Snow tapering Sat Eve
Snow 6"+ Low to Moderate Potential 	<ul style="list-style-type: none"> • Hazardous Travel 	NYC/NJ Metro, Lower Hudson Valley and northeastern NJ	<ul style="list-style-type: none"> • Snow developing Fri Evening • Periods of snow Sat AM into PM • Snow tapering Sat Eve
Strong Winds 25-35G55mph E LI/SE CT 20-25G40mph NYC/NJ metro & rest of coast 	<ul style="list-style-type: none"> • Scattered downed tree limbs and power lines. • Near blizzard conditions 	Coastal Areas, including NYC/NJ metro	Peak winds Saturday morning into early Saturday evening
Coastal Impacts 1 to locally 2 ft flooding above ground level (AGL) 	<ul style="list-style-type: none"> • Minor to locally moderate coastal flood impacts • Scattered dune erosion 	Greatest threat along twin forks, north shore of LI and barrier islands. Dune Impacts: Oceanfront	Times of high tide Saturday AM/PM and Sunday AM
Marine Gale conditions expected. Storm conditions possible. 	<ul style="list-style-type: none"> • Seas 10-15 ft on the Ocean • Seas 4-6 ft central/eastern Long Island Sound 	Nearshore Waters	Friday Night into Saturday Night

Snow / Heavy Snow



Hazards and Impacts:

E LI and SE CT

- ✓ **Snow Accum:** Moderate to High potential for 6"+ of snowfall
- ✓ **Snowfall Rates:** 1-2"/hr possible
- ✓ **Snow Character:** Powdery snow
- ✓ **Impacts:** Difficult Travel, Near Blizzard conditions possible

NYC/NJ metro, W LI, SW CT, S Westchester

- ✓ **Snow Accum:** Low to Moderate potential for 6"+ of snowfall
- ✓ **Snow Character:** Powdery snow
- ✓ **Impacts:** Hazardous Travel, Blowing snow

Interior portions of NE NJ, Lower Hud, and SW CT

- ✓ **Snow Accum:** Slight potential for 6"+ of snowfall
- ✓ **Snow Character:** Powdery snow
- ✓ **Impacts:** Hazardous Travel, Blowing snow

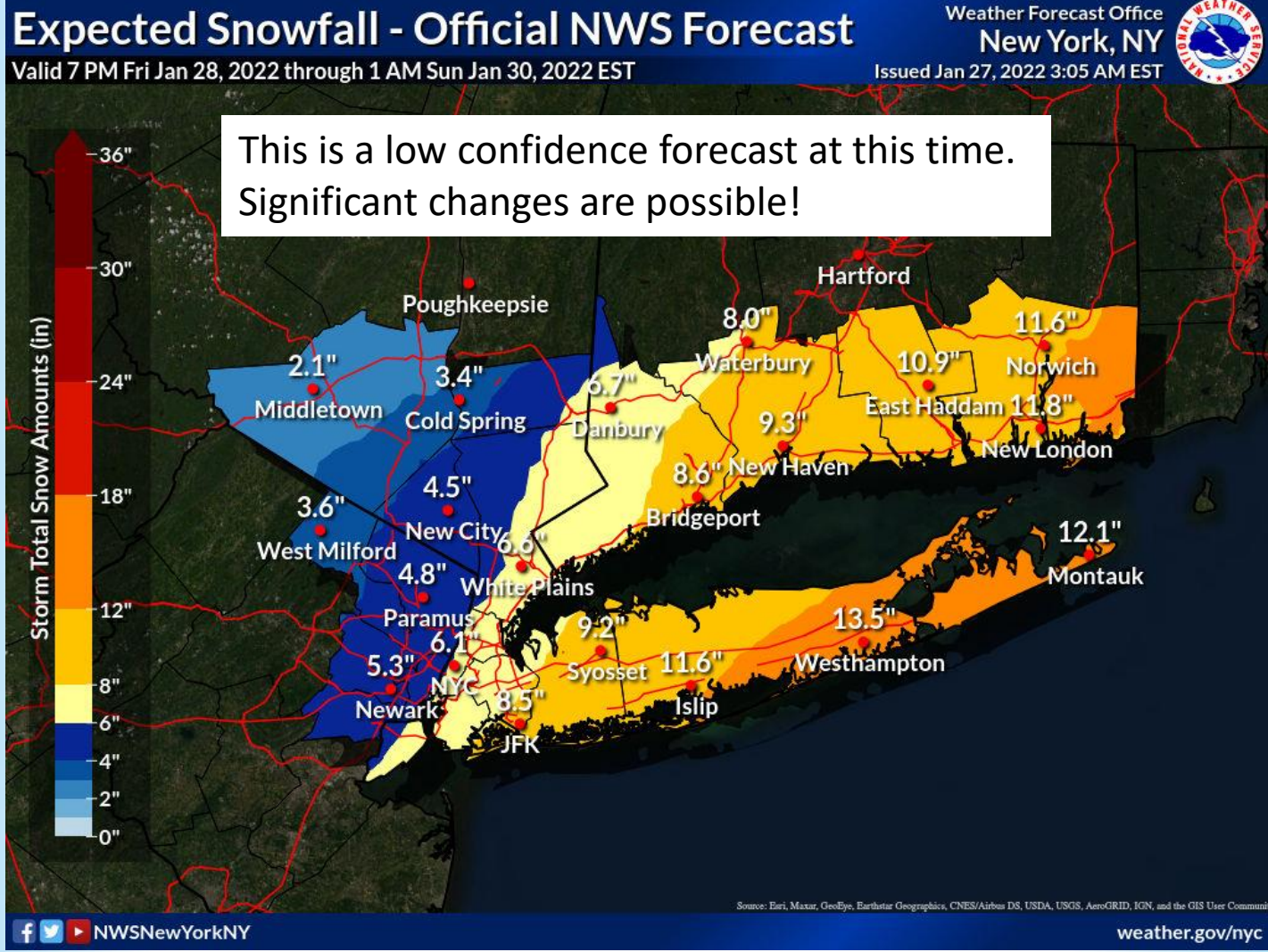
Timing:

- ✓ Heaviest snow from Late Friday Night through Saturday Aft/Eve

Uncertainty:

There is an unusual amount of uncertainty in snow amounts with this storm 36 hrs out! The official snowfall forecast above is a blend of possible scenarios. Please see the next couple of slides for the possible snowfall scenarios.

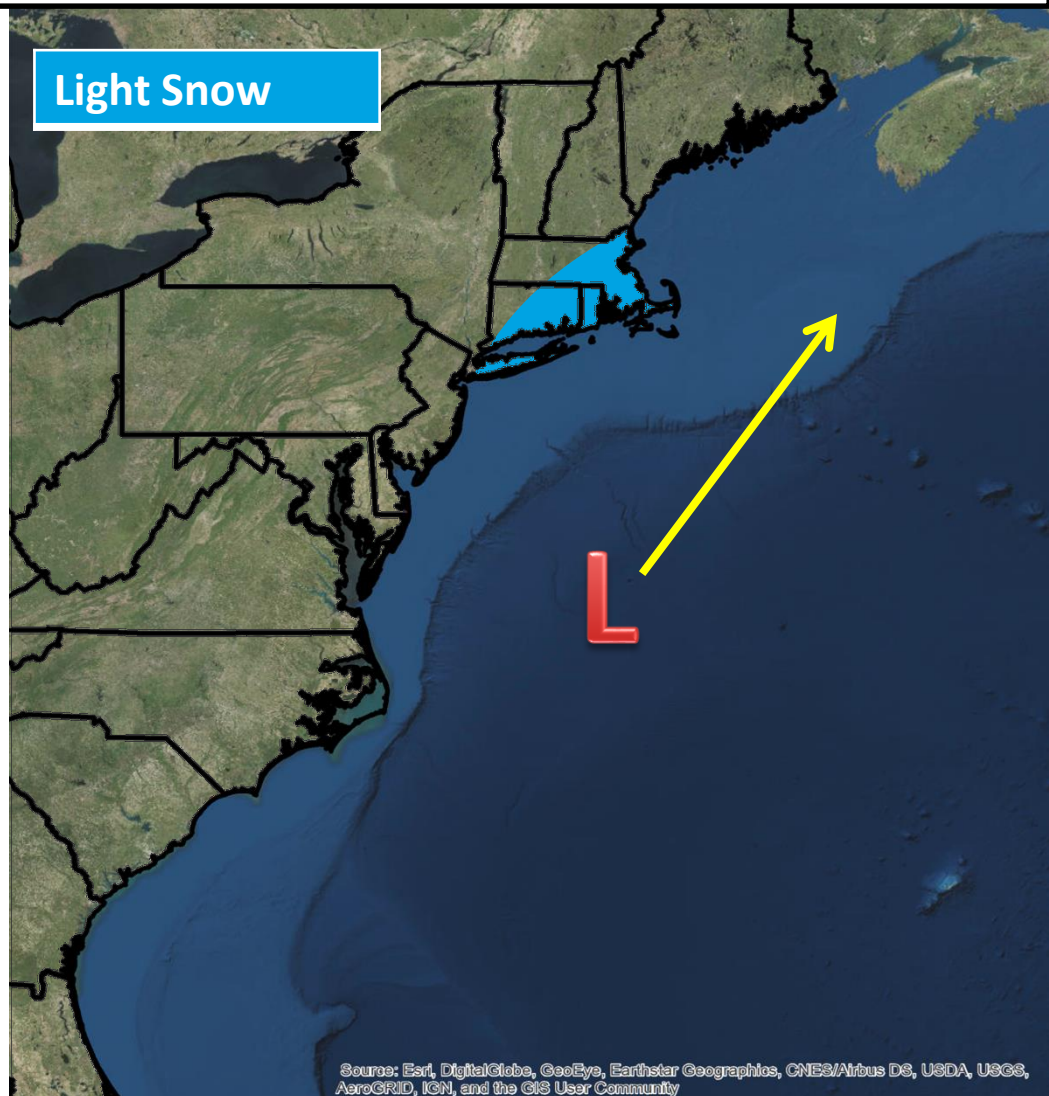
Official NWS NY Snowfall Forecast



Snowfall Uncertainty - Eastern Storm Track Scenarios

Eastern storm track scenarios would result in little or no snow for NYC and points N&W, with light snow accumulations (less than 6") for E LI & SE CT.

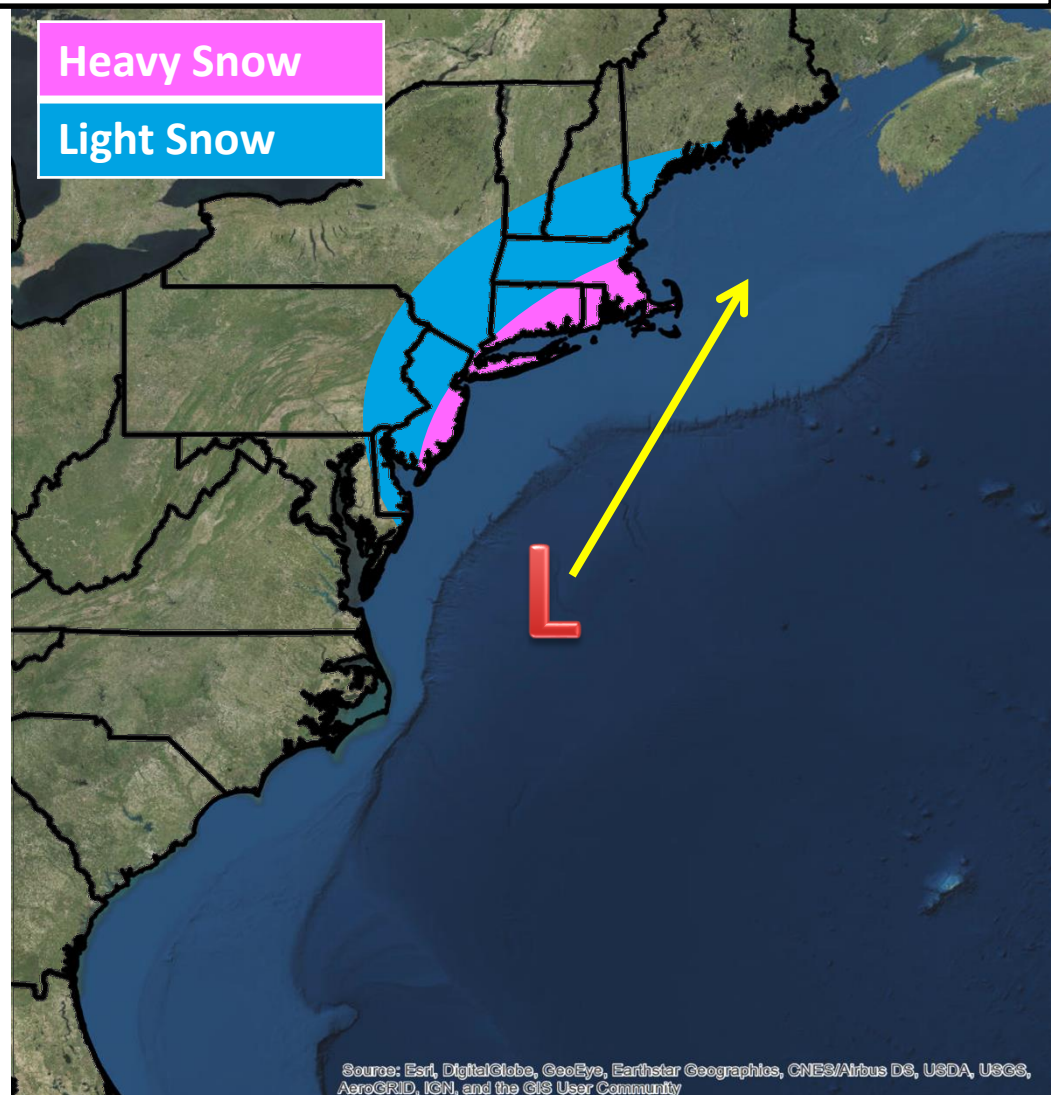
Some models have been trending towards this scenario, but with 36 hours before the storm please monitor subsequent forecast updates.



Snowfall Uncertainty - Western Storm Track Scenarios

The western storm track scenarios would increase the potential for warning level snow (6"+) for the NYC/NJ metro and 1 ft + snowfall across E LI & SE CT.

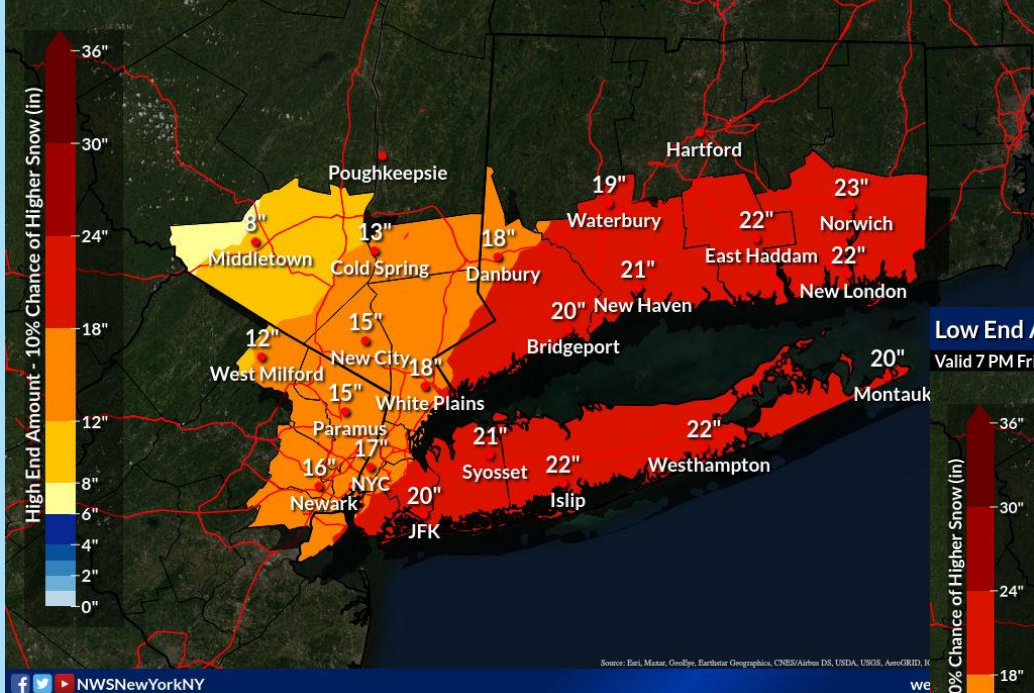
With 36 hours before the storm please monitor subsequent forecast updates.



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

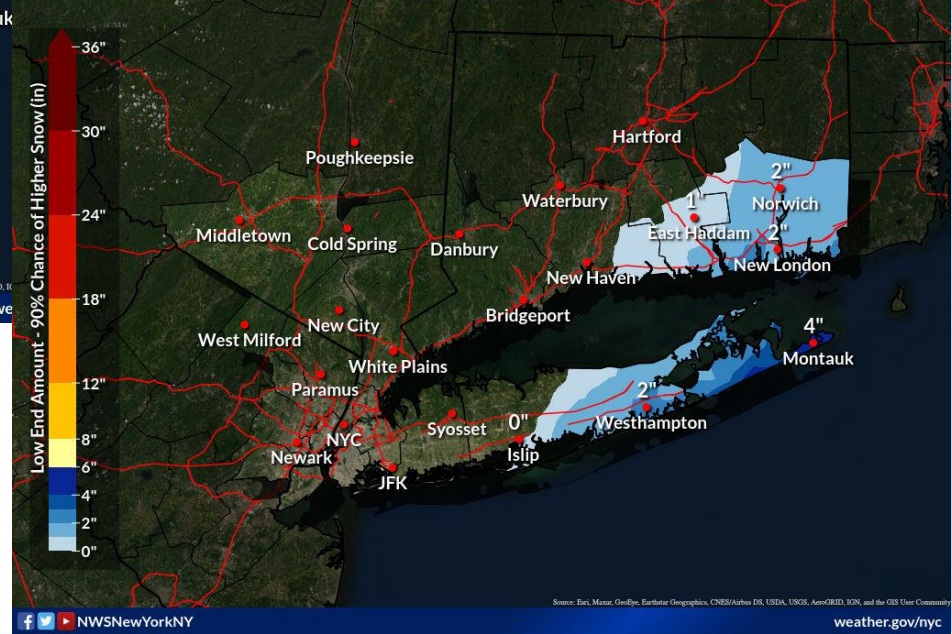
Probabilistic Snowfall Forecast Scenarios

High End Amount - 1 in 10 Chance (10%) Of Higher Snowfall
Weather Forecast Office New York, NY
Valid 7 PM Fri Jan 28, 2022 through 1 AM Sun Jan 30, 2022 EST
Issued Jan 27, 2022 3:05 AM EST



Snow amounts could be close to these levels if the western most storm scenarios occur, with heavy snow banding working into western portions of the area.

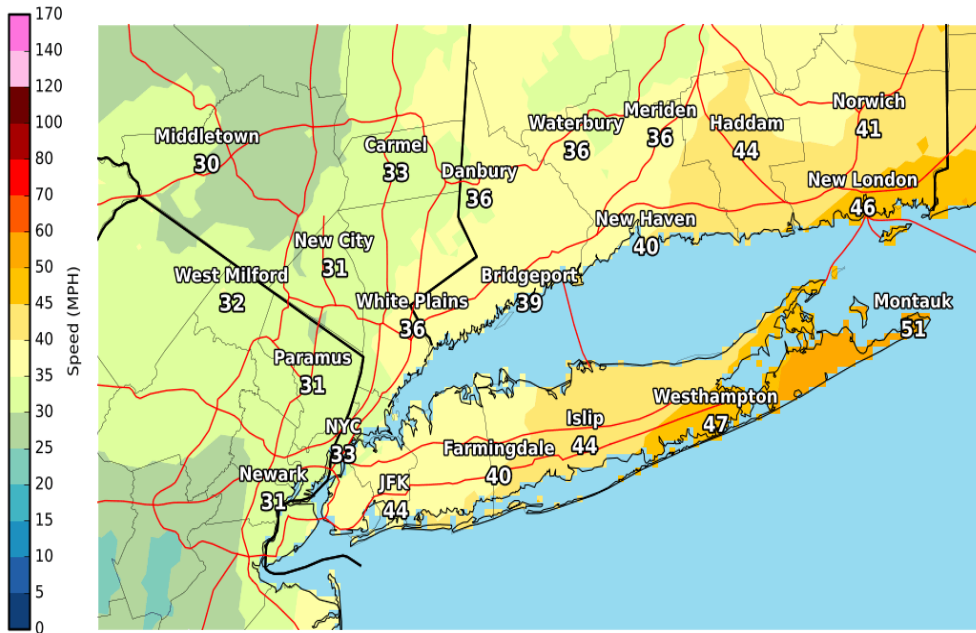
Low End Amount - 9 in 10 Chance (90%) Of Higher Snowfall
Weather Forecast Office New York, NY
Valid 7 PM Fri Jan 28, 2022 through 1 AM Sun Jan 30, 2022 EST
Issued Jan 27, 2022 3:05 AM EST



Snow amounts could be this low if the eastern most storm scenarios occur.

Strong Wind Potential

Maximum Wind Gusts
Valid: Friday Night Through Saturday Night



National Weather Service
New York NY
01/27/2022 04:53 AM EST

Follow Us:
weather.gov/nyc

Hazards and Impacts : E LI and SE CT

- ✓ **Peak Winds:** N 25-35g 45-55mph
- ✓ **Impacts:** Scattered downed tree limbs, isolated downed trees, and power outages possible. Blowing and drifting snow, with near blizzard conditions possible.

NYC/NJ metro, W LI, SW CT, S Westchester

- ✓ **Peak Winds:** N 20-25 g 30-40 mph
- ✓ **Impacts:** Blowing snow

Interior portions of NE NJ, Lower Hud, and SW CT

- ✓ **Peak Winds:** N 15-20 g 25-35 mph
- ✓ **Impacts:** Blowing snow

Timing:

- ✓ Strongest winds from Saturday morning into Saturday Evening

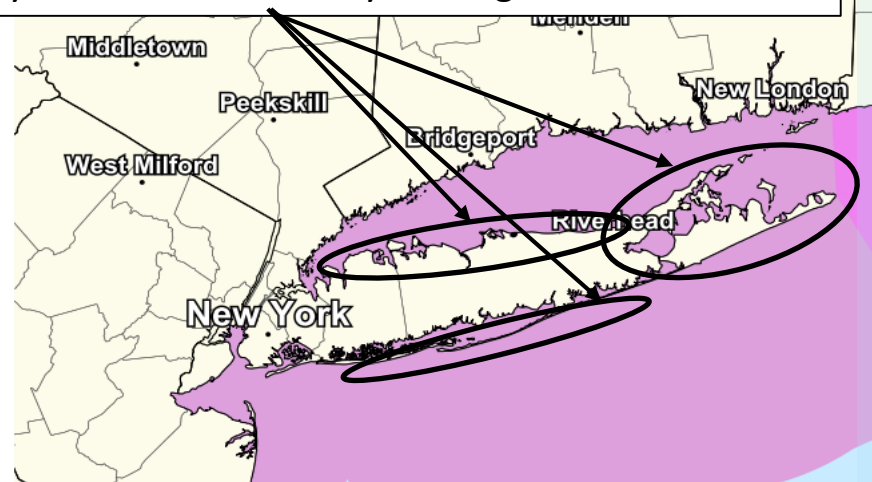
Uncertainty:

A western track scenario would increase the threat for damaging wind across E LI and SE CT and expand the strong wind threat into the NYC/NJ metro area. Meanwhile, an eastern track scenario would keep the strong wind threat for LI and CT.

Coastal Flooding

Marine / Coastal Hazards

Potential for localized moderate coastal flood impacts
Saturday AM/PM and Sunday AM high tides



Coastal Flood Hazards and Impacts:

- ✓ Minor to locally moderate coastal flood impacts possible with inundation of 1 to locally 2 ft above ground
- ✓ Several waterfront road closures possible and flooding of shoreline properties.

Shoreline Hazards and Impacts:

- ✓ 4-8' breaking waves along the oceanfront with scattered areas of dune erosion
- ✓ Minor to moderate erosion and wave splashover along the north shore of Long Island and twin forks from 3 to 5 ft surf.

Timing:

- ✓ During times of high tide Saturday morning, evening, and Sunday morning

Uncertainty:

- ✓ The magnitude of coastal flooding will depend on the track and strength of low pressure, which will need to be refined over the next 36 hrs.

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	<p>Westport</p>	<p>Lindenhurst</p>	<p>New Haven</p>
Hazard	<ul style="list-style-type: none"> • Low threat of property damage...and no direct threat to life. • 1 to 2 ft of inundation in shoreline and vulnerable areas. 	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • A few shoreline and vulnerable roadways and adjacent properties will experience shallow flooding. 	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • 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

- ✓ Moderate to high potential for heavy snow (6"+) and strong winds across LI and Southern CT Friday Night into Saturday Night
- ✓ Low to moderate potential for heavy snow (6"+) and strong winds across NYC/NJ metro, S Westchester Friday Night into Saturday Night
- ✓ Minor to locally moderate coastal impacts are also possible for eastern portions of Long Island and vulnerable north facing coastal communities along Long Island Sound and the Great South Bay for the Saturday into Sunday high tides.
- ✓ There remains an unusual amount of uncertainty in snow amounts with this storm 2 days out; changes are still possible, so please monitor subsequent forecast updates!