

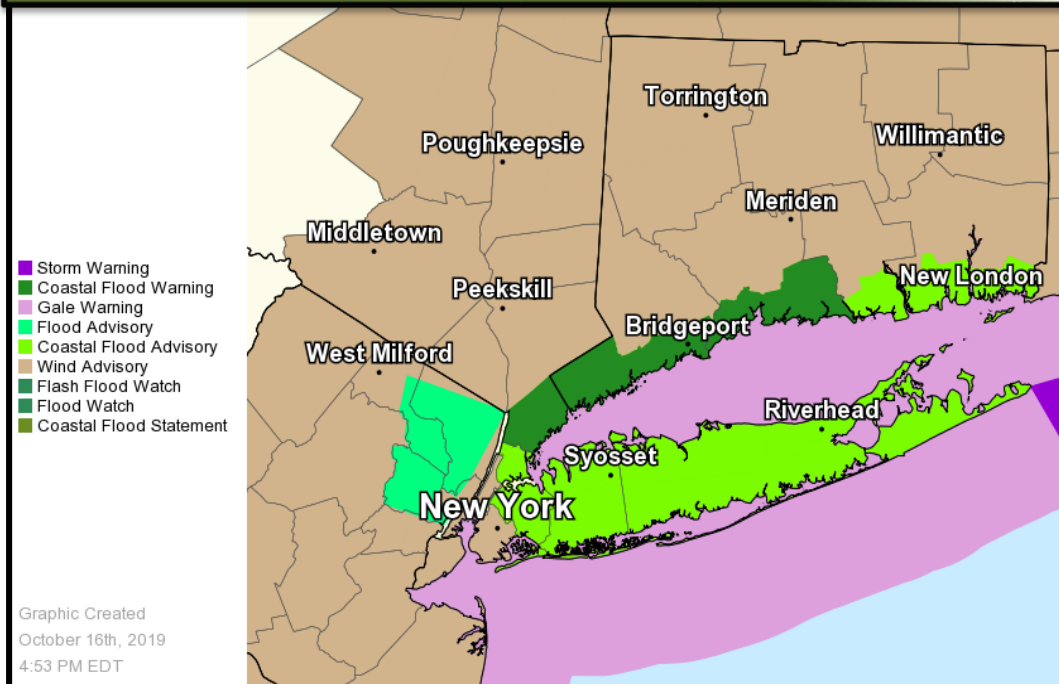
Coastal Storm for Wed into Wed Night

Decision Support Briefing #3 As of: 530 PM Oct 16, 2019





What Has Changed?

- ✓ *Wind Advisory expanded for entire Tri-State starting 6PM tonight through Thursday.*
- ✓ *Coastal Flood Warning issued for Southwest CT and S Westchester for Tonight.*
- ✓ *Coastal Flood Statement for Brooklyn and Staten Island for Tonight.*
- ✓ *Coastal Flood Advisories for Long Island, Queens, Bronx, and SE CT or Tonight.*

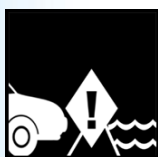
Current Hazards



Main Points

Hazard	Impacts	Location	Timing
Flash Flooding 	<ul style="list-style-type: none"> 2 to 3 inches rain, locally higher. Flash flooding along quick responding small rivers and streams possible. Minor flooding of urban areas and low-lying roads. 	Highest Threat across NE NJ	Through tonight
Coastal Impacts 	<ul style="list-style-type: none"> Minor to Moderate coastal flooding. Inundation of 2 to 3 ft above ground for coastal areas under a warning, 1 to 2 ft for advisory areas. Areas of dune erosion along Atlantic ocean beachfront. 	<ul style="list-style-type: none"> Moderate coastal flooding for SW CT and S Westchester Widespread minor to localized moderate for Queens, Nassau and Suffolk, Bronx, and SE CT. 	During the times of high tide tonight
Strong Winds 	<ul style="list-style-type: none"> 20 to 30 mph with gusts 40 to 50 mph. Scattered power outages. Several downed trees and power lines. 	Entire Tri-State Region	Through Thursday
Marine 	<ul style="list-style-type: none"> Gale conditions. Seas of 11 to 16 ft on the Ocean, and 4 to 7 ft on LI Sound. 	Nearshore Waters	Through Thursday Night

Summary of Greatest Impacts



Flash Flooding: Entire Tri-State (Highest Threat NE NJ)

None

Limited

Elevated

Significant

Extreme



Coastal Impacts: SW Coastal CT and S Westchester.

None

Limited

Elevated

Significant

Extreme



Strong Winds: Entire Tri-State Region

None

Limited

Elevated

Significant

Extreme



Marine: Nearshore Waters

None

Limited

Elevated

Significant

Extreme



Heavy Rain

Flood Watch

Until LATE TONIGHT

Weather Forecast Office

New York, NY

Issued Oct 16, 2019 4:06 PM EDT



**Flash Flood Watch:
Through 4 AM Thursday**

Hazards:

- ✓ Rainfall of 2 to 3 inches across the Tri-State region. Locally higher amounts possible
- ✓ Rainfall rates of up to 1/2 to 3/4 "/hr

Impacts:

- ✓ Flash Flooding along quick responding small rivers and streams possible.
- ✓ Widespread Minor Flooding of Urban areas and Low-lying Roads.
- ✓ Heavy rain during the times of high tide between 10pm and 2am would increase flash flood threat for coastal roadways.

Timing:

- ✓ Heaviest rain from 6 PM to 1 AM tonight.

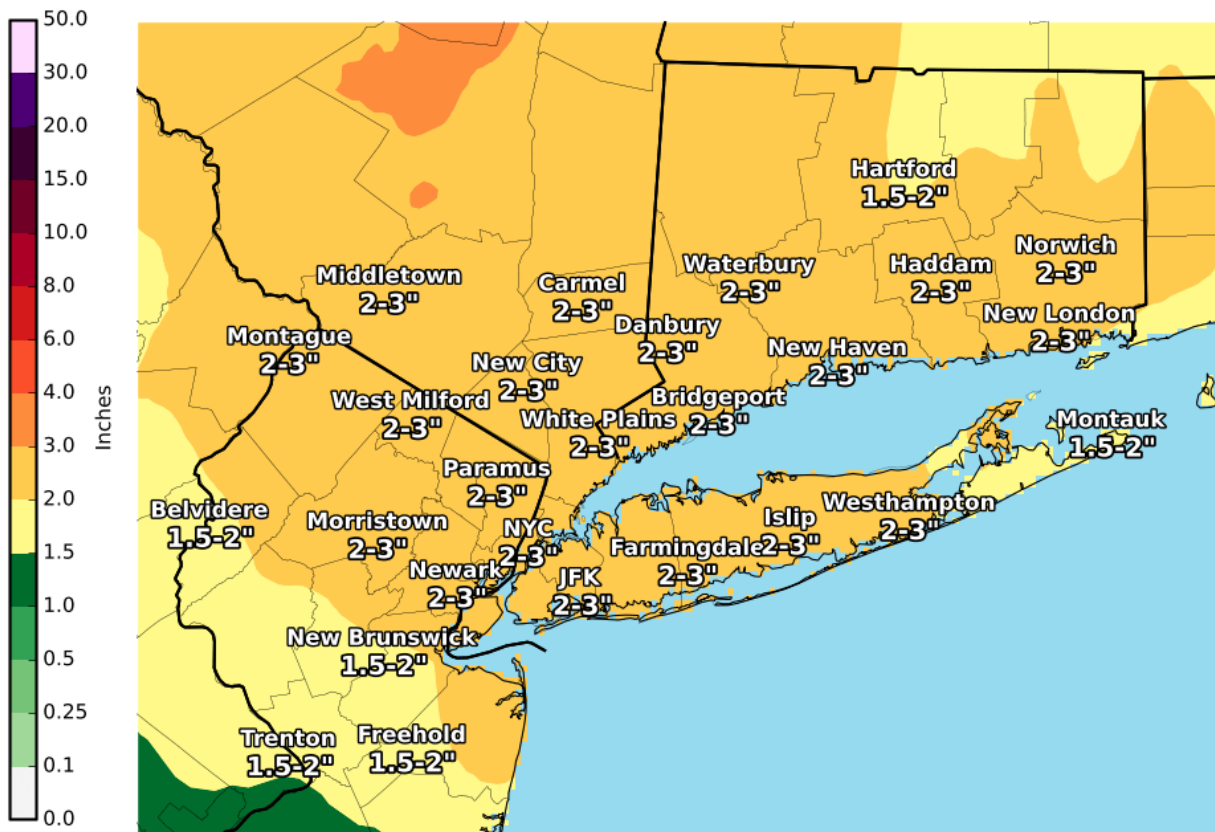
Uncertainty:

- ✓ Location of heaviest rainfall.
- ✓ These will be fine tuned as the event unfolds.

Heavy Rain

Expected Rainfall - Official NWS Forecast

Valid: 10/16/2019 02:00 PM - 10/17/2019 08:00 AM EDT



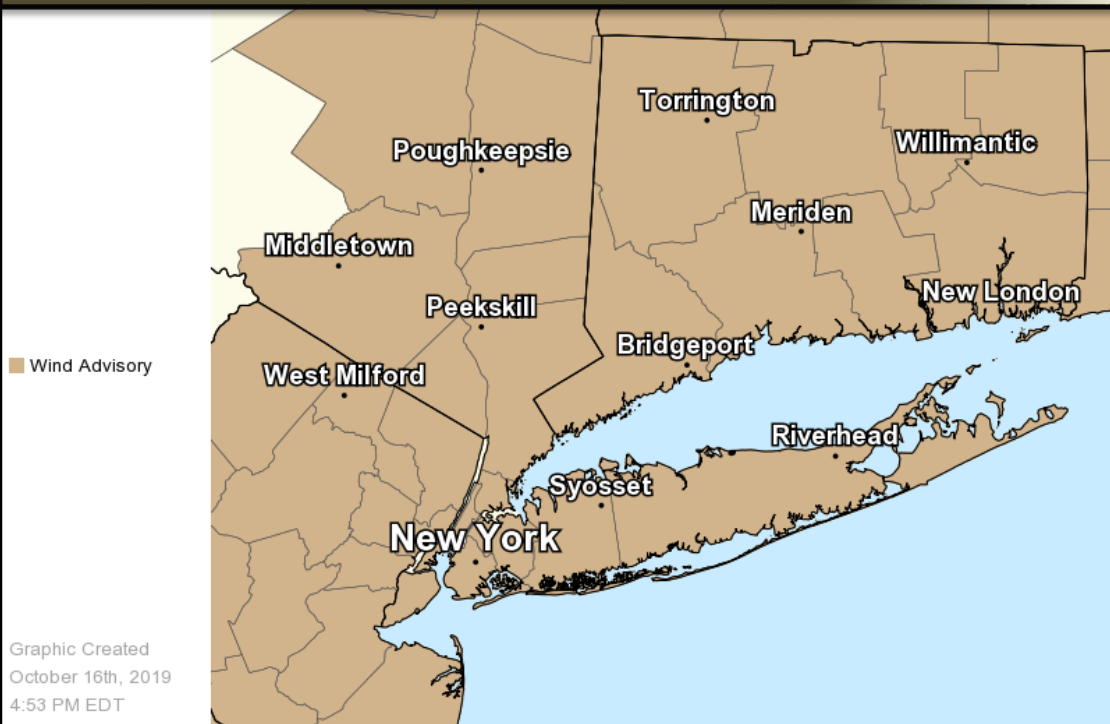
National Weather Service
New York NY
 10/16/2019 04:03 PM EDT

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Strong Winds

Wind Related Hazards



Hazards:

- ✓ Southeast winds increasing to 20 to 30 mph with gusts to 50 mph this evening along the coast.
 - ✓ Isolated gusts to 60 mph possible across E LI and SE CT.
- ✓ Winds shift to Northwest 20 to 30 mph with gusts to 50 mph tonight and continue through Thursday for the entire Tri-State Region.

Impacts:

- ✓ Scattered downed trees and tree limbs.
- ✓ Scattered power outages
- ✓ Dangerous travel conditions for high profile vehicles,

Timing:

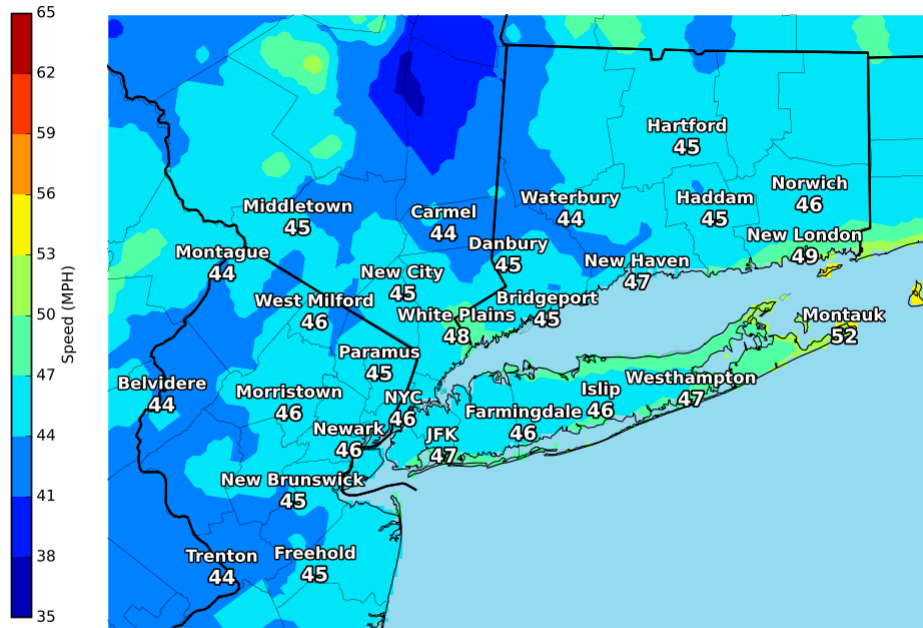
- ✓ Strongest winds late tonight through Thursday

Wind Advisory:
From 6 PM tonight till 6 PM Thursday

Strong Winds

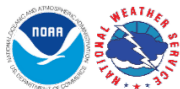
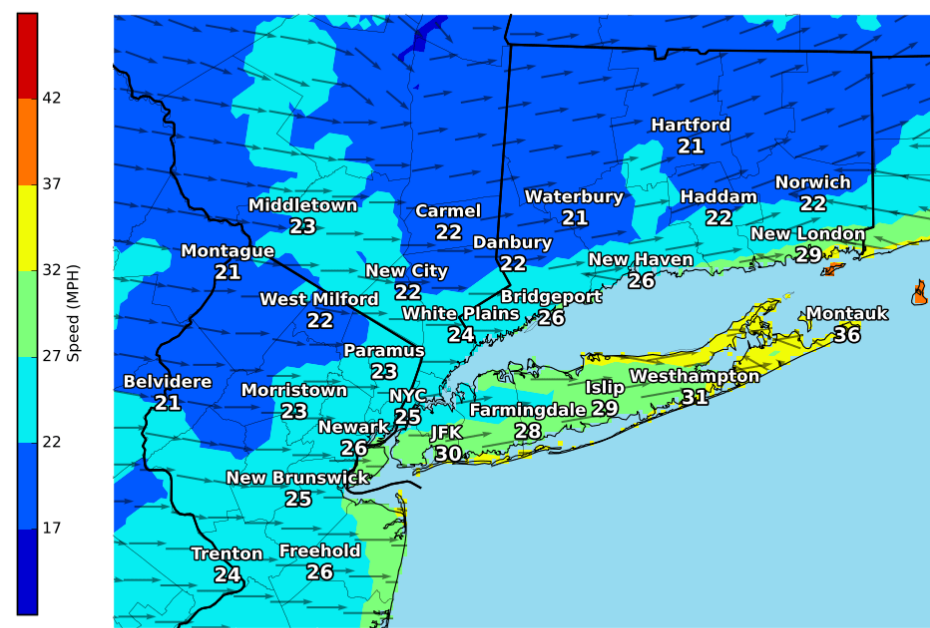
Maximum Wind Gust - MPH

Valid: 10/16/2019 06:00 PM - 10/17/2019 08:00 PM EDT



Maximum Sustained Wind Speed - MPH

Valid: 10/16/2019 06:00 PM - 10/17/2019 08:00 PM EDT



National Weather Service
New York NY
10/16/2019 03:27 PM EDT

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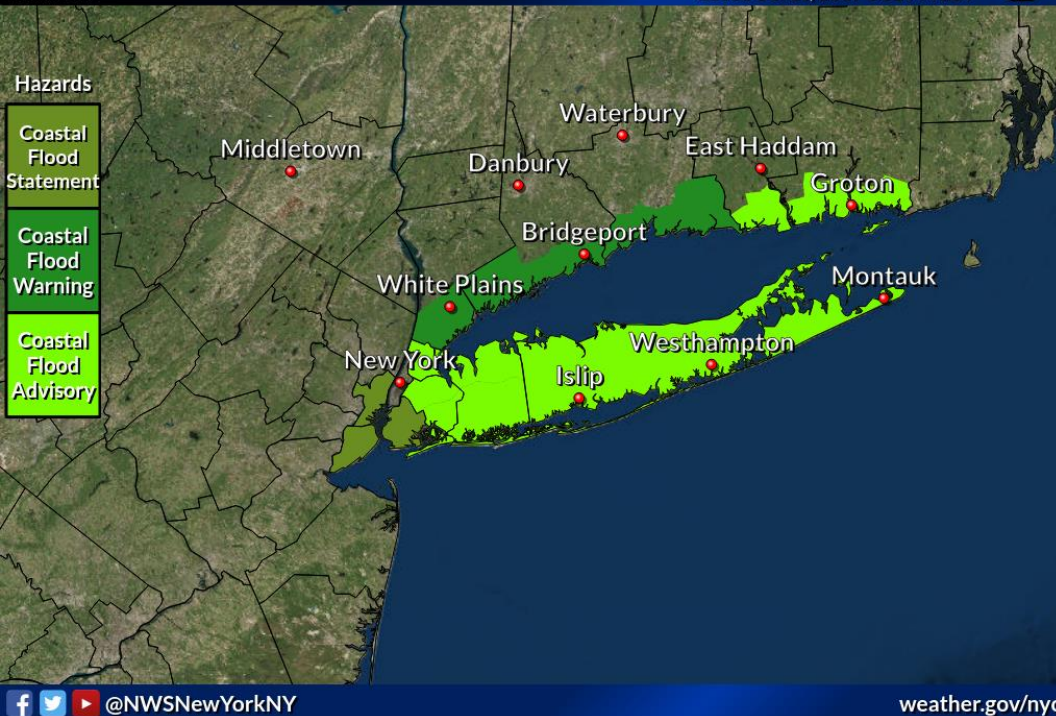
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Coastal Flooding

Coastal Flood Hazards

TONIGHT

Weather Forecast Office
New York, NY
Issued Oct 16, 2019 3:52 PM EDT 



Coastal Flood Hazards and Impacts:

- ✓ Moderate coastal flooding (inundation of 2 to 3 ft above ground level) in vulnerable coastal locales of SW Coastal CT and S Westchester.
 - ✓ Numerous road closures and widespread flooding of low lying property near the waterfront.
- ✓ Widespread minor to moderate coastal flooding (inundation of 1 to 2 ft above ground level) for vulnerable coastal locales of LI, Queens, Bronx and SE CT.

Shoreline Hazards and Impacts:

- ✓ 7-11' breaking waves along the oceanfront, 3 to 5' along CT and Westchester shoreline.
- ✓ Significant beach flooding and erosion expected during the times of high tide along CT and Atlantic Ocean shorefront, with some flooding of roadways and vulnerable structures behind protective dunes.

Timing:

- ✓ During times of high tide tonight.

Uncertainty:

- ✓ If heavy rain coincides with the times of high tide, flooding could be exacerbated on coastal roadways.
- ✓ Timing of wind shift from the SE to NW late this evening will be a critical factor in water levels and wave action at the coast.

Please go to the NWS New York, NY Coastal Flooding Page for the latest coastal flood forecast and the tools to visualize the coastal impacts.

<https://www.weather.gov/okx/coastalflood>

Event Summary

- ✓ Rainfall amounts of 2 to 3 inches with localized higher amounts.
 - ✓ Flash Flood Watch in Effect for NE NJ through late tonight.
- ✓ Southeast winds to 20 to 30 mph with gusts to 50 mph this evening along the coast. Wind Advisory for Entire Tri-State Region through Thursday.
 - ✓ Isolated gusts to 60 mph possible across far E LI and extreme SE CT.
- ✓ Winds shift to Northwest 20 to 30 mph with gusts to 50 mph tonight and continue through Thursday for the entire Tri-State Region.
- ✓ Moderate coastal flooding (inundation of 2 to 3 ft above ground level) in vulnerable coastal locales of SW Coastal CT and S Westchester.
- ✓ Widespread minor to moderate coastal flooding (inundation of 1 to 2 ft above ground level) for vulnerable coastal locales of LI, Queens, Bronx and SE CT.

Contact and Next Briefing Information



Next Briefing

This is the final briefing.



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Disclaimer: The information contained within this briefing is time-sensitive, do not use after 4 AM Thursday (10/17/19).

