Storm Analysis

As of 09/06/2016 06:00 EDT, water levels remain elevated from Ocean City Inlet, MD to Chatham, MA and range between 0.5 and 2.2 feet above tidal predictions. The highest tidal residuals being observed this morning are along the New Jersey and New York coastlines. Most areas are experiencing winds of 10-20 knots with occasional higher gusts. Barometric pressure continues to gradually fall along the coast of the northeast US.
Water Level and Meteorological plots available below are updated automatically. A line denoting **Mean Higher High Water** (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: CRD

------------------------------------------------------------------------------------------------------------

**SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:**

POST-TROPICAL CYCLONE HERMINE ADVISORY NUMBER 36
NWS NATIONAL HURRICANE CENTER MIAMI FL
500 AM EDT TUE SEP 06 2016

...HERMINE MOVING CLOSER TO THE COAST...

SUMMARY OF 500 AM EDT...INFORMATION

LOCATION...39.6N 71.6W
ABOUT 105 MI S OF THE EASTERN TIP OF LONG ISLAND
MAXIMUM SUSTAINED WINDS...65 MPH

PRESENT MOVEMENT...W OR 270 DEGREES AT 8 MPH

MINIMUM CENTRAL PRESSURE...996 MB

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

None.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...
* The coast of Long Island from Fire Island Inlet to Port Jefferson Harbor
* New Haven to Sagamore Beach
* Block Island
* Martha's Vineyard
* Nantucket

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND 48-HOUR OUTLOOK

------------------------------------------------------------------------------------------------------------
At 500 AM EDT, the center of Post-Tropical Cyclone Hermine was located near latitude 39.6 North, longitude 71.6 West. The post-tropical cyclone is moving toward the west near 8 mph. A decrease in forward speed is expected later today, and Hermine will likely become nearly stationary by tonight. A turn toward the northeast is forecast to occur on Wednesday.

Maximum sustained winds remain near 65 mph with higher gusts. Gradual weakening is forecast during the next 48 hours.

Tropical-storm-force winds extend outward up to 140 miles from the center. The Montauk Point buoy south of eastern Long Island recently reported a 38-mph sustained wind and a gust to 47 mph. The buoy south of Islip in Long Island recently reported a 36-mph sustained wind and a gust to 45 mph.

The estimated minimum central pressure is 996 mb.

HAZARDS AFFECTING LAND
----------------------
WIND: Tropical storm conditions are expected over portions of the warning area today.

STORM SURGE: The combination of a storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. Along the immediate coastline, the surge will be accompanied by large and dangerous waves.

The water could reach the following heights above ground if the peak surge occurs at the time of high tide...

Coast of Long Island from Fire Island Inlet to Port Jefferson Harbor...1 to 2 feet.

RAINFALL: Hermine is expected to produce additional light rainfall amounts not exceeding 1 inch along the mid-Atlantic and southern New England coastline from New Jersey to eastern Long Island to southeastern Massachusetts.

SURF: Large waves generated by Hermine will continue to affect the U.S. east coast from the mid-Atlantic states through New England for another couple of days. These waves are likely to cause life-threatening surf and rip current conditions, and significant beach erosion. Please consult products from your local weather office.

NEXT ADVISORY
------------
Next intermediate advisory at 800 AM EDT.
Next complete advisory at 1100 AM EDT.

Forecaster Cangialosi

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.
Winds, Newport - Barometric, Nantucket Island - Water Level, Nantucket Island - Winds, Nantucket Island - Barometric, Woods Hole - Water Level, Woods Hole - Barometric, Chatham - Water Level
Last Observed Sample: 09/06/2016 05:54 (EDT). Data relative to MHHW

- Observed: -0.07 ft. Predicted: -1.91 ft. Residual: 1.84 ft.
- Next High Tide: 09/06/2016 11:52 (EDT), -0.05 ft.

Wind Speed: 13 knots  Gusts: 17 knots  Direction: 331° T
NOAA/NOS/CO-OPS 8570283 Ocean City Inlet, MD

Barometric Pressure

Barometric Pressure: 1015.7 mb

NOAA/NOS/CO-OPS 8557380 Lewes, DE

Last Observed Sample: 09/06/2016 05:54 (EDT)

Data relative to MHHW:


Historical Maximum Water Level: Mar 6 1962, 4.57 ft.

Next High Tide: 09/06/2016 12:37 (EDT), -0.25 ft.
NOAA/NOS/CO-OPS 8557380 Lewes, DE

Wind Speed / Gusts / Direction

- Wind Speed: 19 knots
- Gusts: 21 knots
- Direction: 316° T

Last Observed Sample: 09/06/2016 05:54 (EDT)

---

NOAA/NOS/CO-OPS 8557380 Lewes, DE

Barometric Pressure

- Barometric Pressure: 1015.2 mb

Last Observed Sample: 09/06/2016 05:54 (EDT)
Last Observed Sample: 09/06/2016 06:00 (EDT). Data relative to MHHW
Next High Tide: 09/06/2016 12:30 (EDT), -0.33 ft.

Last Observed Sample: 09/06/2016 06:00 (EDT)
Wind Speed: 8 knots Gusts: 17 knots Direction: 323° T
NOAA/NOS/CO-OPS 8536110 Cape May, NJ

Barometric Pressure

- Last Observed Sample: 09/06/2016 06:00 (EDT)
- Barometric Pressure: 1014.3 mb

NOAA/NOS/CO-OPS 8534720 Atlantic City, NJ

Preliminary Water Level, relative to Mean Higher High Water (MHHW)

- Last Observed Sample: 09/06/2016 05:54 (EDT)
- Data relative to MHHW
- Next High Tide: 09/06/2016 11:25 (EDT), -0.30 ft.
Last Observed Sample: 09/06/2016 05:54 (EDT). Data relative to MHHW
Historical Maximum Water Level: Sep 12 1960, 4.86 ft.
Next High Tide: 09/06/2016 11:58 (EDT), -0.32 ft.
Wind Speed / Gusts / Direction

Last Observed Sample: 09/06/2016 05:54 (EDT)
Wind Speed: 12 knots Gusts: 18 knots Direction: 348° T

Barometric Pressure

Last Observed Sample: 09/06/2016 05:54 (EDT)
Barometric Pressure: 1013.6 mb
Last Observed Sample: 09/06/2016 05:54 (EDT). Data relative to Mean Higher High Water (MHHW)

Observed: -0.47 ft. Predicted: -1.74 ft. Residual: 1.27 ft.

Historical Maximum Water Level: Aug 31 1954, 5.91 ft.

Next High Tide: 09/06/2016 13:14 (EDT), -0.01 ft.

Last Observed Sample: 09/06/2016 05:54 (EDT)
Barometric Pressure: 1011.6 mb
NOAA/NOS/CO-OPS 8465705 New Haven, CT

Preliminary Water Level, relative to Mean Higher High Water (MHHW)

Last Observed Sample: 09/06/2016 06:00 (EDT). Data relative to MHHW


Historical Maximum Water Level: Oct 30 2012, 5.52 ft.

Next High Tide: 09/06/2016 15:20 (EDT), -0.20 ft.

Wind Speed: 20 knots  Gusts: 25 knots  Direction: 35° T
NOAA/NOS/CO-OPS 8465705 New Haven, CT

Barometric Pressure

Last Observed Sample: 09/06/2016 06:00 (EDT)

Barometric Pressure: 1013.7 mb

---

Last Observed Sample: 09/06/2016 05:54 (EDT). Data relative to MHHW

Observed: -1.07 ft. Predicted: -2.12 ft. Residual: 1.05 ft.

Historical Maximum Water Level: Sep 21 1938, 7.53 ft.

Next High Tide: 09/06/2016 13:37 (EDT), -0.08 ft.
NOAA/NOS/CO-OPS 8461490 New London, CT

Wind Speed / Gusts / Direction

Last Observed Sample: 09/06/2016 05:54 (EDT)

Wind Speed: 6 knots  Gusts: 14 knots  Direction: 6° T

NOAA/NOS/CO-OPS 8452660 Newport, RI

Last Observed Sample: 09/06/2016 06:00 (EDT). Data relative to MHHW


Historical Maximum Water Level: Sep 21 1938, 9.46 ft.

Next High Tide: 09/06/2016 11:53 (EDT), -0.33 ft.
Last Observed Sample: 09/06/2016 06:00 (EDT)

Wind Speed: 8 knots Gusts: 12 knots Direction: 16° T

Barometric Pressure: 1013.5 mb
NOAA/NOS/CO-OPS 8449130 Nantucket Island, MA

**Preliminary Water Level, relative to Mean Higher High Water (MHHW)**

Last Observed Sample: 09/06/2016 05:54 (EDT). Data relative to MHHW

- **Observed:** -0.49 ft.
- **Predicted:** -0.95 ft.
- **Residual:** 0.46 ft.

**Historical Maximum Water Level:** Oct 30 1991, 4.29 ft.

**Next High Tide:** 09/06/2016 16:26 (EDT), -0.24 ft.

---

NOAA/NOS/CO-OPS 8449130 Nantucket Island, MA

**Wind Speed / Gusts / Direction**

Last Observed Sample: 09/06/2016 05:54 (EDT)

- **Wind Speed:** 12 knots
- **Gusts:** 16 knots
- **Direction:** 79° T
NOAA/NOS/CO-OPS 8449130 Nantucket Island, MA
Last Observed Sample: 09/06/2016 05:54 (EDT)
Barometric Pressure: 1013.4 mb

NOAA/NOS/CO-OPS 8447930 Woods Hole, MA
Last Observed Sample: 09/06/2016 05:54 (EDT). Data relative to MHHW
Observed: -0.99 ft. Predicted: -1.56 ft. Residual: 0.57 ft.
Historical Maximum Water Level: Sep 21 1938, 8.58 ft.
Next High Tide: 09/06/2016 12:26 (EDT), -0.17 ft.
NOAA/NOS/CO-OPS 8447930 Woods Hole, MA

Barometric Pressure

Last Observed Sample: 09/06/2016 05:54 (EDT)
Barometric Pressure: 1013.7 mb

NOAA/NOS/CO-OPS 8447435 Chatham, MA

Preliminary Water Level, relative to Mean Higher High Water (MHHW)

Last Observed Sample: 09/06/2016 05:24 (EDT). Data relative to MHHW
Observed: -0.70 ft. Predicted: -1.50 ft. Residual: 0.80 ft.
Historical Maximum Water Level: Feb 26 2010, 2.96 ft.
Next High Tide: 09/06/2016 16:09 (EDT), -0.57 ft.
<table>
<thead>
<tr>
<th>Station ID</th>
<th>Station Name</th>
<th>Date/Time</th>
<th>Observed Water Level</th>
<th>Predicted Tide</th>
<th>Residual Water Level</th>
<th>24 Hour Maximum Storm Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>8570283</td>
<td>Ocean City Inlet, MD</td>
<td>09/06/2016 05:54 (EDT)</td>
<td>-0.07 ft</td>
<td>-1.91 ft</td>
<td>1.84 ft</td>
<td>1.25 ft</td>
</tr>
<tr>
<td>8557380</td>
<td>Lewes, DE</td>
<td>09/06/2016 05:54 (EDT)</td>
<td>-2.07 ft</td>
<td>-4.10 ft</td>
<td>2.03 ft</td>
<td>1.17 ft</td>
</tr>
<tr>
<td>8536110</td>
<td>Cape May, NJ</td>
<td>09/06/2016 06:00 (EDT)</td>
<td>-2.66 ft</td>
<td>-4.83 ft</td>
<td>2.17 ft</td>
<td>1.18 ft</td>
</tr>
<tr>
<td>8534720</td>
<td>Atlantic City, NJ</td>
<td>09/06/2016 05:54 (EDT)</td>
<td>-1.71 ft</td>
<td>-3.80 ft</td>
<td>2.09 ft</td>
<td>1.32 ft</td>
</tr>
<tr>
<td>8531680</td>
<td>Sandy Hook, NJ</td>
<td>09/06/2016 05:54 (EDT)</td>
<td>-2.61 ft</td>
<td>-4.55 ft</td>
<td>1.94 ft</td>
<td>1.10 ft</td>
</tr>
<tr>
<td>8510560</td>
<td>Montauk, NY</td>
<td>09/06/2016 05:54 (EDT)</td>
<td>-0.47 ft</td>
<td>-1.74 ft</td>
<td>1.27 ft</td>
<td>1.54 ft</td>
</tr>
<tr>
<td>8465705</td>
<td>New Haven, CT</td>
<td>09/06/2016 06:00 (EDT)</td>
<td>-2.12 ft</td>
<td>-3.47 ft</td>
<td>1.35 ft</td>
<td>1.08 ft</td>
</tr>
<tr>
<td>8461490</td>
<td>New London, CT</td>
<td>09/06/2016 05:54 (EDT)</td>
<td>-1.07 ft</td>
<td>-2.12 ft</td>
<td>1.05 ft</td>
<td>1.13 ft</td>
</tr>
<tr>
<td>8452660</td>
<td>Newport, RI</td>
<td>09/06/2016 06:00 (EDT)</td>
<td>-2.58 ft</td>
<td>-3.15 ft</td>
<td>0.57 ft</td>
<td>0.94 ft</td>
</tr>
<tr>
<td>8449130</td>
<td>Nantucket Island, MA</td>
<td>09/06/2016 05:54 (EDT)</td>
<td>-0.49 ft</td>
<td>-0.95 ft</td>
<td>0.46 ft</td>
<td>1.12 ft</td>
</tr>
<tr>
<td>8447930</td>
<td>Woods Hole, MA</td>
<td>09/06/2016 05:54 (EDT)</td>
<td>-0.99 ft</td>
<td>-1.56 ft</td>
<td>0.57 ft</td>
<td>0.90 ft</td>
</tr>
<tr>
<td>8447435</td>
<td>Chatham, MA</td>
<td>09/06/2016 05:24 (EDT)</td>
<td>-0.70 ft</td>
<td>-1.50 ft</td>
<td>0.80 ft</td>
<td>0.85 ft</td>
</tr>
</tbody>
</table>

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS) | National Oceanic and Atmospheric Administration | U.S. Department of Commerce