

# HAMPTON COASTAL HAZARDS ADAPTATION TEAM (CHAT)

## January 2024 UPDATES & ANNOUNCEMENTS

A summary of updates and announcements relevant to flooding, coastal hazards, and coastal planning intended to be shared with Hampton boards, commissions, committees, departments, and the public. Visit <http://shea4nh.org/coastal-hazards-adaptation-team-chat/> for information about CHAT.

- Bob Ladd – Hampton Beach Village District
  - Flooding from the recent storm events and high tides was excessive. Areas that previously weren't under water were underwater during the recent flooding. The beach couldn't be accessed, all roads were shut down. Water came up Church Street, which was shut down. From North Hampton down to Seabrook, the road was closed. There was more water coming from the ocean than previously experienced, with flooding from both the marsh and from the ocean. There were rocks on the road. North Hampton and Rye are still working on opening Ocean Blvd due to the amount of damage experienced.
- Tom Bassett – Resident Representative (images attached)
  - Since the December CHAT meeting there were two flooding events: Dec 28, 2023 and Jan 10-14, 2024. The Dec 28 flood event was tied to monthly high tides overflowing from Meadow Pond into the neighborhood. The January flooding was the worst that we have seen in the past 20+ years. It was linked to heavy rainfall, major storm surge, and extra high tides. Photos taken from the ground and by drone show the flood's extent and depth of the flooding, especially on Jan 10 and 13.
  - Tom wrote to the Board of Selectmen and Town Manager about the flooding problem and the need for mitigation. He also shared with them the images attached to this flood update. Town Manager Jamie Sullivan responded that the town is committed to mitigating the coastal flooding problem.
  - There will be a Flood Ready Neighborhood meeting on January 25 for the Meadow Pond neighborhood. One of the agenda topics is the possibility of building a berm to stop the overflow of water from the pond into the streets.
- Jason Bachand – Hampton Town Planner
  - The Floodplain Management Ordinance will be on the March 3<sup>rd</sup> ballot for the Town Meeting.
  - The Master Plan Implementation Committee did not meet in December but will meet January 24.
- Brianna O'Brien – Hampton Conservation Coordinator
  - Shared a picture and stated that some residents of Plaice Cove organized some dune planting several months ago. The dune was entirely covered by the ocean on Saturday, but a lot of the plants survived. The ocean deposited additional sand and plants.
- Jennifer Hale – Hampton Department of Public Works Director
  - Significant damage occurred along with the snow, rain, wind, and storm surge last Wednesday and Saturday. A culvert was lost out of Towle Farm Road out of Batchelder Pond, which will need to be repaired. Part of Bicentennial Wall was also destroyed as well as the parking lot. Plaice Cove stairs were destroyed. There was severe flooding throughout town, resulting in the opening of the Emergency Operations Center on Wednesday and Saturday. Roads were closed prior to high tide. From 10am to 5pm, parts of High Street were still inaccessible.
- Jamie Sullivan – Hampton Town Manager
  - About ten people on Wednesday and between eight and twelve people on Saturday used the shelter. The stays were relatively short.

# HAMPTON COASTAL HAZARDS ADAPTATION TEAM (CHAT)

## January 2024 UPDATES & ANNOUNCEMENTS

- Kate Bashline – Resident Representative
  - Shared three images of storm impacts:



Jan 13, 2024, Storm Photo West of IA Bridge

This view west shows the last pole of the roped off dune along the sandy path along IA that used to ramp down to the beach. Lost in the storm is beach grass covered dune shown in the section behind the pole continuing to the right edge of the photo. The sandy ramp to the beach is now cut away with a sharp 6-foot drop.



Ocean Flooding East of IA Bridge- Thornton St

This view is east of the IA bridge. In the foreground is a sand dune which recent efforts have sought to protect between Eisenhower St & Portsmouth Ave, which run north to south roads. Ocean flooding runs onto Thornton St, an east to west road.



East of IA Bridge: Dune Loss at end of Portsmouth Ave

This view from the beach looking south onto Portsmouth Ave. shows dune washed onto the street. Look three fourths of the way to the top of the photo at a white square sign and poles to see the prior width of the dune. Ocean waters flooded onto Portsmouth Ave then turned onto the next east west road Campton St.

This storm was a significant and unusual event for this area.

# CHAT Flood Update January 2024



Greene St

Meadow Pond Rd

Greene St

Mallards

Photo: Madelyn Gaven

December 28, 2023, flooding



Gentian Rd &  
Greene St

Dec 28, 2023

---



Photos: Nick Allen



Will my granddaughter and her children spend their summers in Hampton in 2050, 2075?

---

# January 10, 2024: storm forecast & surge

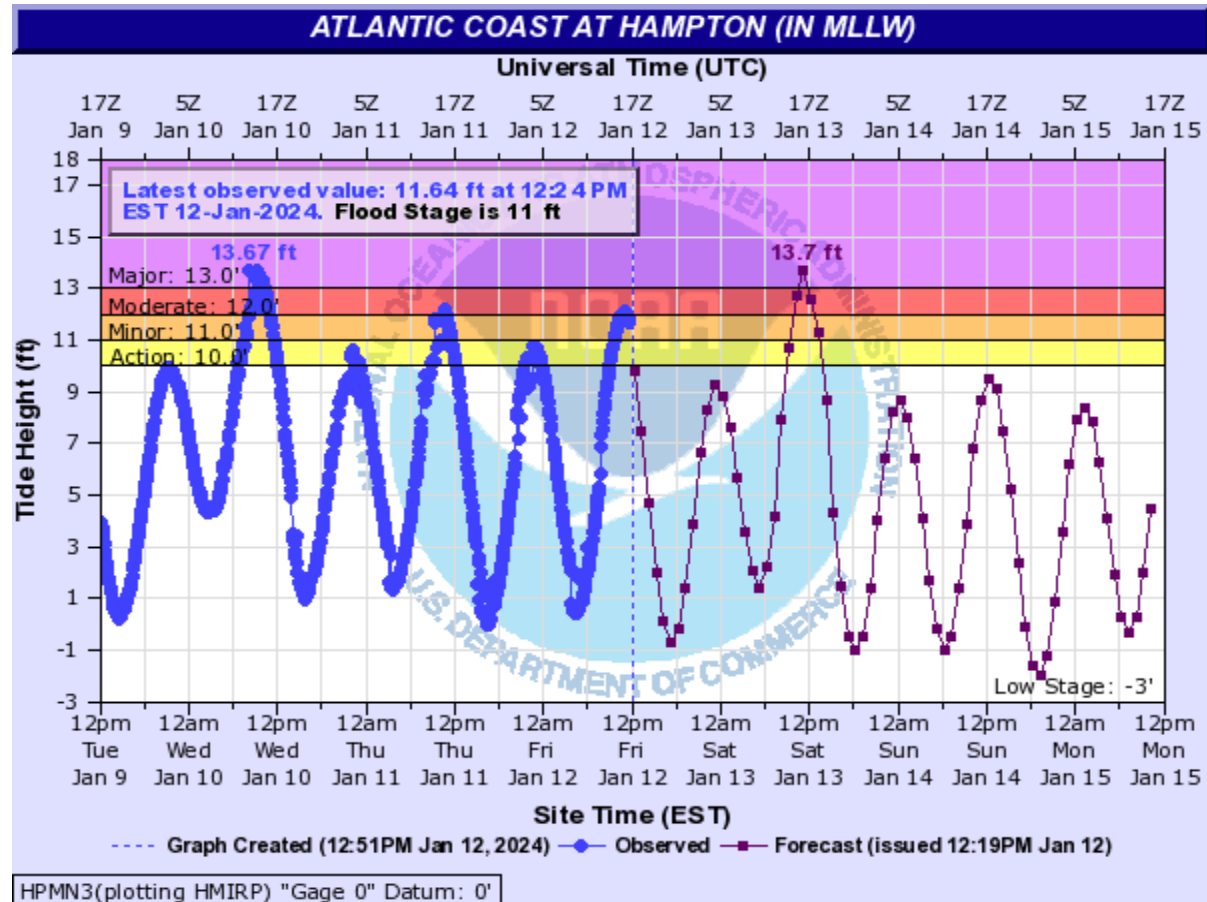


National Weather Service  
Advanced Hydrologic Prediction Service  
[water.weather.gov/ahps/](http://water.weather.gov/ahps/)

# Hampton Tide Gauge Graph

Major Flood Stage: 13.67 ft

Predicted tide: 9.4 ft





# Storm Surge at Plaice Cove, Hampton, 10 Jan 20204



Photo: Ralph Fatello

# Jan 10, 2024: advancing tide and flood



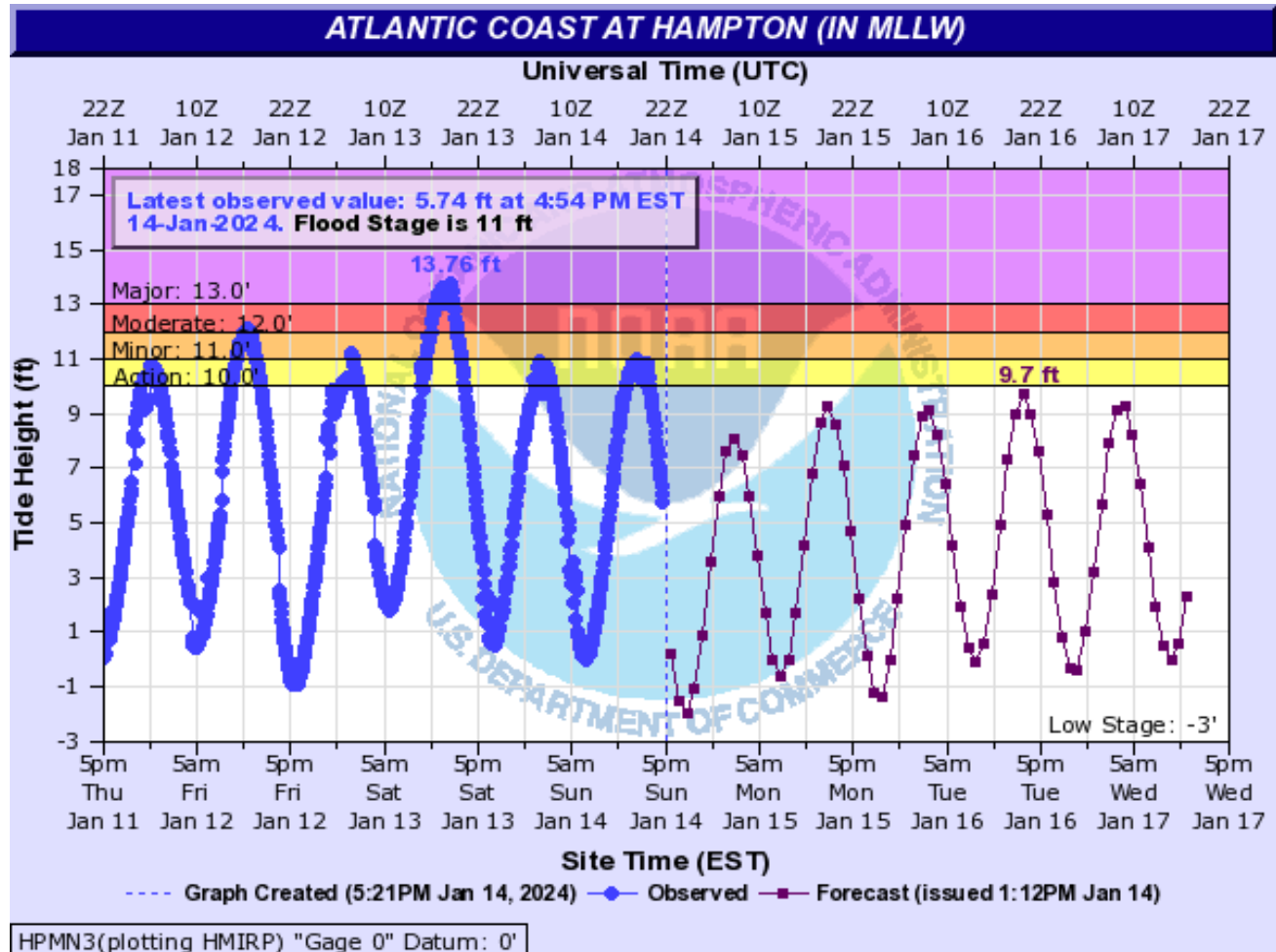
Jan 10, 2024

Flooded streets & homes on Gentian Rd & Meadow Pond Rd



National Weather Service  
 Advanced Hydrologic Prediction Service  
[water.weather.gov/ahps/](http://water.weather.gov/ahps/)

Repeat  
 flooding,  
 Jan 11-14



# Tides (MLLW), rainfall, & flooding: Jan 9-14, 2024

Date	Predicted Tide	Recorded Tide	Rainfall	Flooding
9-Jan	9.0 ft	9.9 ft	0.53 in	No
10-Jan	9.4 ft	13.7 ft	1.83 in	Yes
11-Jan	9.8 ft	12.1 ft	0.0 in	Yes
12-Jan	10.1 ft	12.0 ft	0.0 in	Yes
13-Jan	10.2 ft	14.2 ft	0.82 in	Yes
14-Jan	10.1 ft	11.0 ft	0.04 in	Yes

# Jan 11-14 flooding



Jan 13  
major flood









15" Waterline 1-13-24

# Fire hydrant submerged



Photo: Michael Phillips

# Flood Ready Neighborhood (FRN) Zoom Meeting: January 25, 6-8:00 pm



Photo: Tim Briggs

Nov 28, 2023



Jan 13, 2024