

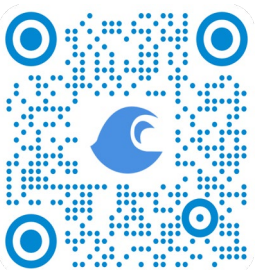


MyCoast: New Jersey

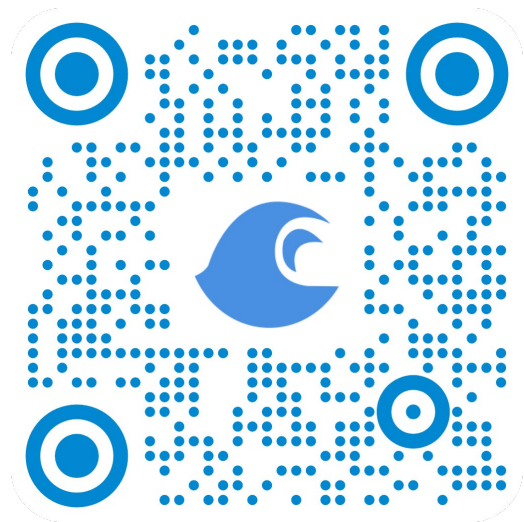
2026 NJ Coastal & Climate Conference

Devon Haines, NJDEP- Coastal Management Program

Amanda Archer, Jacques Cousteau National Estuarine Research Reserve – Rutgers University



- Portal used to collect and analyze photos of coastal events and places.
- Photos are linked to data about weather and tides to create reports that help stakeholders like government agencies, business owners, and residents understand coastal change and make informed decisions.



MyCoast

NJ MyCoast High Water Places We Love Photo Stations Know Your Tides Rising Together NJ Download App Log In Register More...

DEPARTMENT OF ENVIRONMENTAL PROTECTION NEW JERSEY

Jacques Cousteau National Estuarine Research Reserve

RUTGERS School of Environmental and Biological Sciences DEPARTMENT OF MARINE AND COASTAL SCIENCES

MyCoast: New Jersey

Help Document our Changing Coast

The MyCoast: New Jersey portal is used to collect and analyze photos of coastal events and places. Photos are linked to data about weather and tides to create reports that help stakeholders like government agencies, business owners, and residents to understand coastal change and make informed decisions.



Education & Outreach

 MyCoast: New Jersey

Informed Management Decisions



Visual Science & Storytelling



New Jersey MyCoast Tools

Use these buttons to view existing photos and submit your own.



High Water

Tracking flooding
across the state



Know Your Tides

Monitoring local tides



Places We Love

Documenting the coastal
places we love



Photo Stations

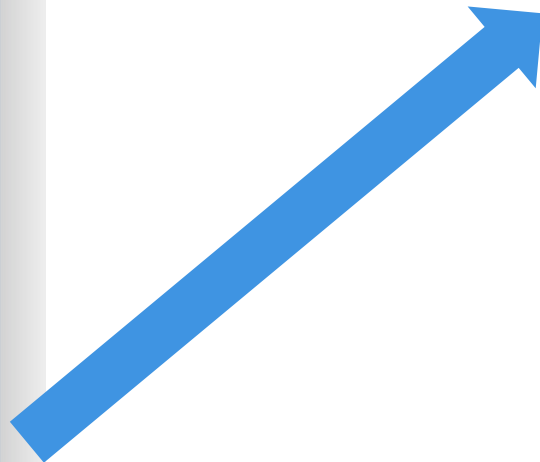
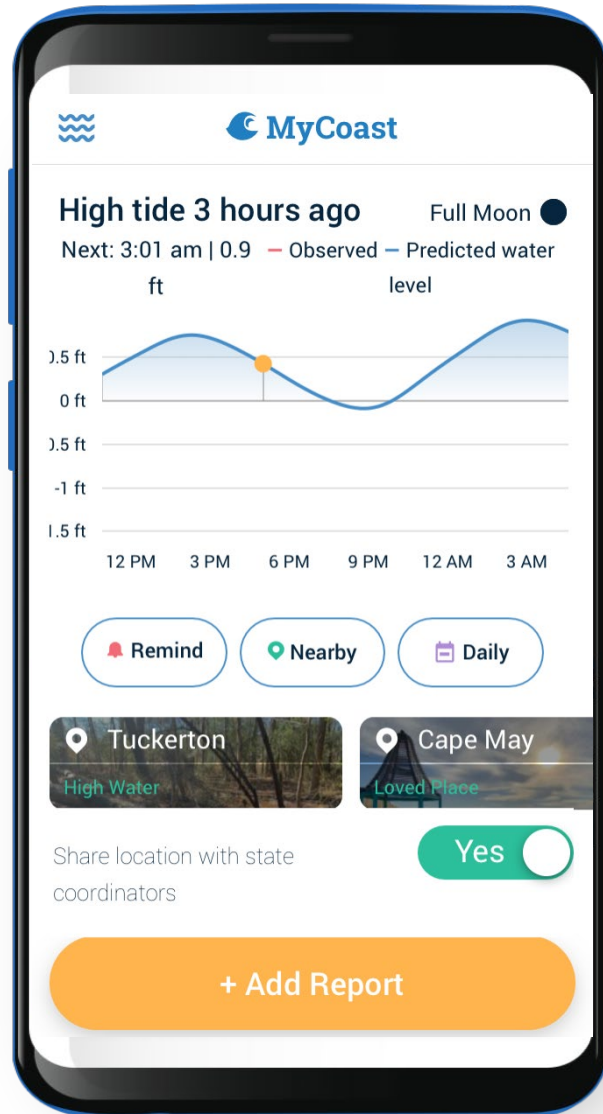
Community shoreline monitoring



Rising Together NJ

Sharing flood stories

MyCoast: New Jersey



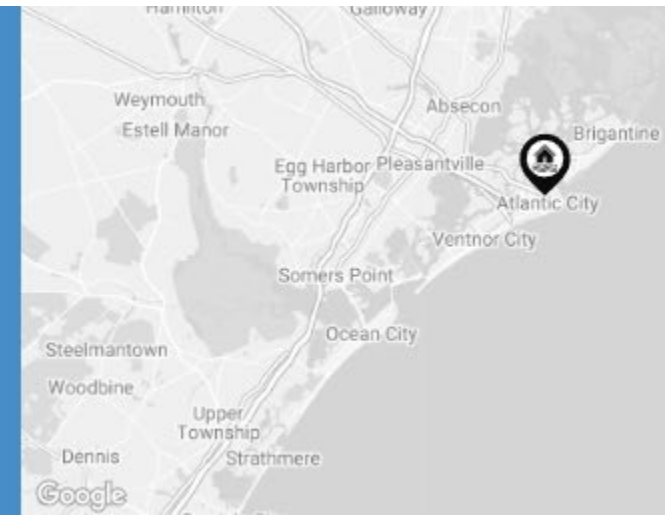
The right smartphone screen displays the "Select Report Type" screen. It features a green header with the text "Report types available in Ocean County, NJ are shown below." Below this, there are two report type options: "High Water" (with a house icon) described as "Tracking flooding in NJ", and "Places We Love" (with a heart icon) described as "Loved places on the NJ coast".

Atlantic City, NJ Atlantic County

High Water Report
by **Angela Walters**

01/23/2023 | 9:53 am

High Water



[View on NJFloodMapper](#)



01/23/2023 | 9:53 am

Tidal Overview

1 hours 17 minutes after high tide

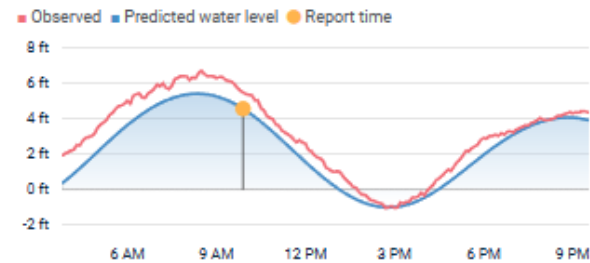
Data from **ATLANTIC CITY, OCEAN** (1 miles away)

All heights shown relative to Mean Lower Low Water (MLLW): the daily low tide level averaged over a 19-year period.

Water Level (at time of report): 9:53 am, 5.7'

High Tide (Predicted): 8:22 am, 5.4'

High Tide (Observed): 8:36 am, 6.4'



The accuracy of the predicted tides at the photo location may vary depending on distance from the nearest tide station and due to wind, rain, and other short-term meteorological events.

[\(Click here for full tide details from NOAA Tides & Currents\)](#)

Weather Overview



Wind Speed: 11.7 MPH

Wind Direction: WSW (255°)

Temperature: 40°F

Rainfall (Calendar Day): 0.27"

Rainfall (Past 24 Hours): 0.63"

Riverine Overview

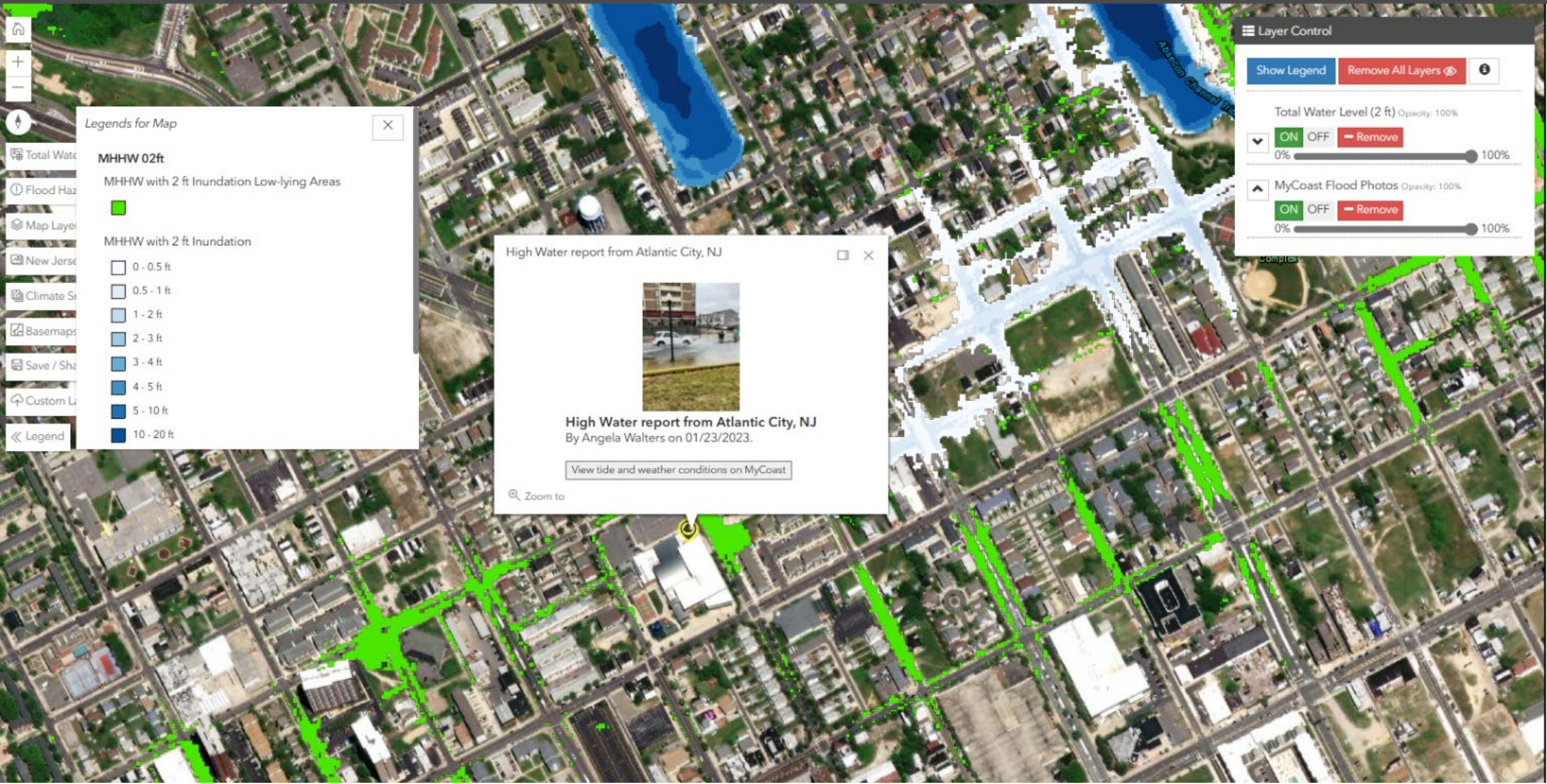
Data from **ABSECON CREEK AT ABSECON NJ** (6.9 miles away)

Water level: 3.15' (NWS Flood Status: Not defined)

[\(Click here for full riverine details from USGS\)](#)

Source of Flooding: Ocean






Legends for Map

MHHW 02ft
MHHW with 2 ft Inundation Low-lying Areas

MHHW with 2 ft Inundation

- 0 - 0.5 ft
- 0.5 - 1 ft
- 1 - 2 ft
- 2 - 3 ft
- 3 - 4 ft
- 4 - 5 ft
- 5 - 10 ft
- 10 - 20 ft

High Water report from Atlantic City, NJ



High Water report from Atlantic City, NJ
By Angela Walters on 01/23/2023.

[View tide and weather conditions on MyCoast](#)

Zoom to

Layer Control

Show Legend Remove All Layers

Total Water Level (2 ft) Opacity: 100%

ON OFF Remove

0% 100%

MyCoast Flood Photos Opacity: 100%

ON OFF Remove

0% 100%

04/26/2021 | 9:25 am

Tidal Overview

2 hours 7 minutes after high tide

Data from **ATLANTIC CITY, OCEAN** (5.8 miles away)

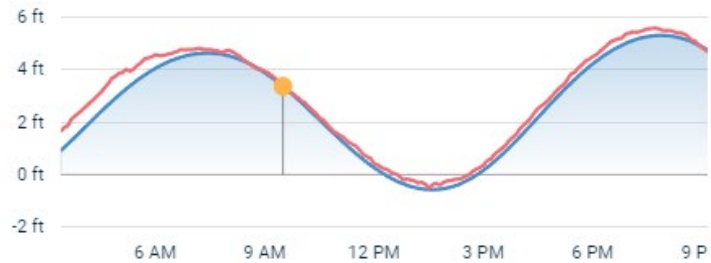
All heights shown relative to Mean Lower Low Water (MLLW): the daily low tide level averaged over a 19-year period.

Water Level (at time of report): 9:25 am, 3.7'

High Tide (Predicted): 7:23 am, 4.7'

High Tide (Observed): 7:18 am, 4.8'

■ Observed ■ Predicted water level ● Report time



The accuracy of the predicted tides at the photo location may vary depending on distance from the nearest tide station and due to wind, rain, and other short-term meteorological events.

[\(Click here for full tide details from NOAA Tides\)](#)

Weather Overview



Wind Speed: 7.1 MPH

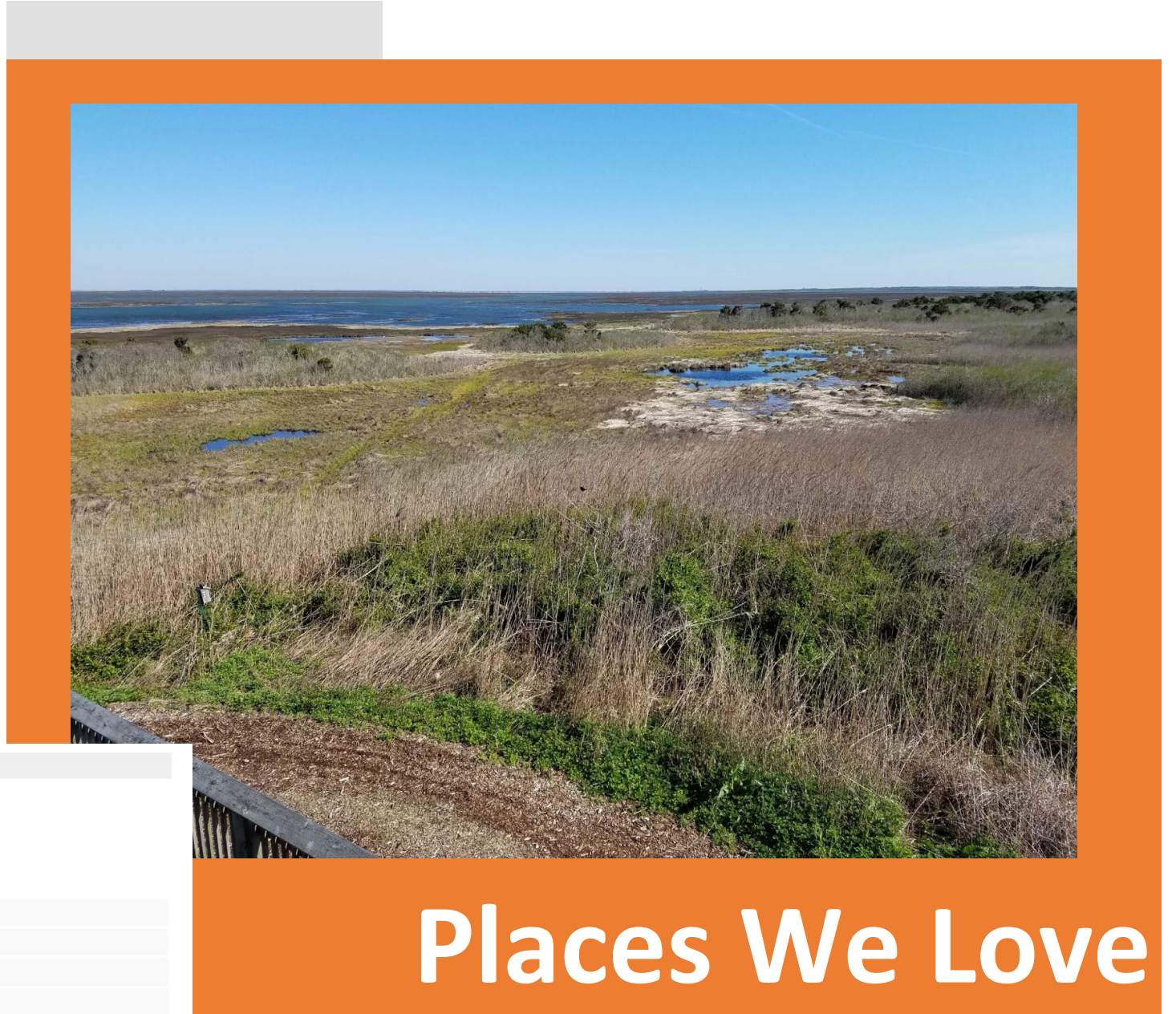
Wind Direction: NW (320°)

Temperature: 48°F

Rainfall (Calendar Day): 0"

Rainfall (Past 24 Hours): 0"

[\(Click here for full weather details\)](#)



Places We Love



BE TIDE SMART

1

Check your tides

Use mycoast.org/nj/tides for local tide information.

2

Download the MyCoast app

Get tide info and flooding photos on-the-go with the MyCoast app.

3

Sign up for flood alerts

Use nixle.com to receive texts with local flood alerts.

4

Know your risk

Assess your risk from flooding and storms with njfloodmapper.org.

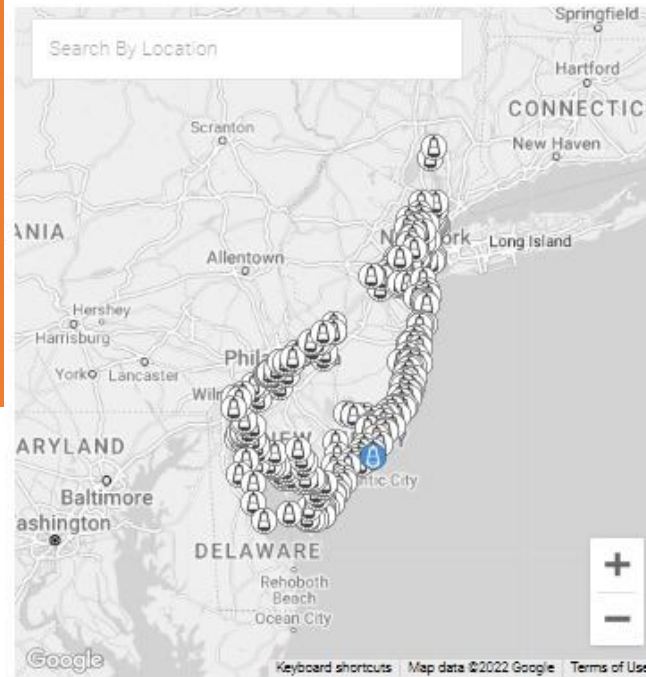


Sunny Day Flooding

Flooding doesn't only happen during storms. It can occur during very high tides.



Click on a Station



Selected Station: ATLANTIC CITY, OCEAN

All heights shown relative to Mean Lower Low Water (MLLW): the daily low tide level averaged over a 19-year period.

Tides Today



Upcoming Tides

(Scroll to see future days)

Date	Time	Type	Height
Today	3:45 PM	High	4'1"
	10:24 PM	Low	0'11"
Tomorrow	4:30 AM	High	3'5"
	10:15 AM	Low	1'1"
	4:27 PM	High	4'2"

(Click here for full tide details from NOAA Tides & Currents)



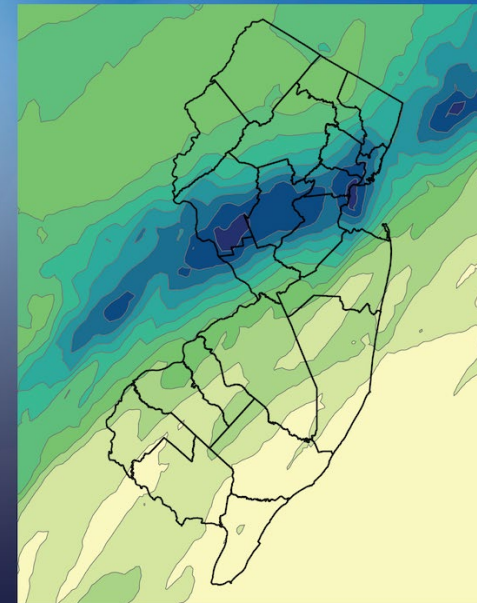
Know Your Tides

RISING TOGETHER NJ

Everyone in New Jersey has a flood story to share. Some stories are about small changes over time, others are about life-changing events. Join us in telling New Jersey's high water story by participating in Rising Together, NJ—a forum for everyone to share their New Jersey flooding experiences. By sharing our stories, we'll be better prepared to rise together in the future.



What was your Ida experience?



11 inches



1 inch

Rainfall over 48 hours during Ida

Data courtesy the New Jersey Climate Change Resource Center at Rutgers University.





What Happened: Barnegat Bay flooded streets and property on 12 23 2022

When Did it Happen: 2022-12-23

How Did it Affect You: On this day, and for a few days after- Bay tide rose to highest level since Sandy. Roads impassable, police activity needed to transport residents. Health related issues led to residents transported out of community by either police or ambulance. Roads being raised by local Brick/Toms River municipalities at a cost of several million dollars. But under these circumstances, higher roads will not solve access problems. Certainly, getting worse in terms of heavy flooding past several years.

Did The Experience Change How You Think About Flooding: Since flooding getting so much worse year to year- value of home holding steady or rising becomes a concern and need to consider selling out eventually before values start to fall.



- Six locations
 - Various coastlines
- Document climate/coastal changes
- Time-lapse of photos collected
- Installed for climate week launch September 2023

Photo Stations



Photo Station locations

5 Locations | 6 Photo Stations





Can Submit Past Reports

- MyCoast allows you to upload pictures from any past flooding event. The date, time, and location of the photo will automatically be linked upon submission.
- If the photo is not embedded with that information, it is important to review when and where the photo was taken to ensure an accurate report.
- We **encourage** submissions of past flooding so that we can compare them to recent reports.



Filter Reports

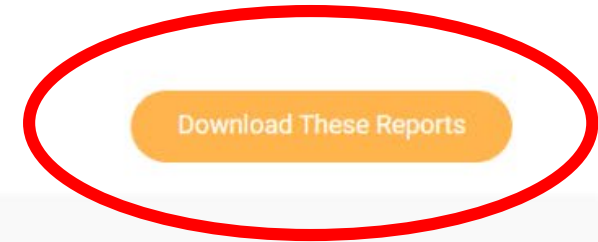
1-50 of 4064

All Report Types ▾

All Counties ▾

All Communities ▾

Start Date



Matawan, NJ

Photo Station | February 5, 2024 at 2:01 pm



Ways practitioners can use MyCoast data and photos!

Real – time awareness

Planning

Project siting/design

Permit review

Grant proposals

Model calibration/ground-truthing

Questions?



Contact

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Amanda Archer | amanda.archer@marine.rutgers.edu

<https://mycoast.org/nj>

