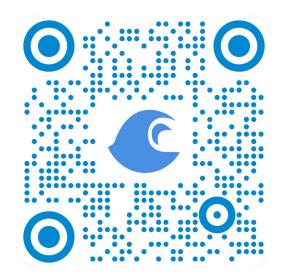


- Portal used to collect and analyze photos of coastal events and places.
- Photos are linked to data about weather and tides to create reports that help stakeholders like government agencies, business owners, and residents understand coastal change and make informed decisions.





New Jersey MyCoast Tools

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



High Water
Tracking flooding across the state



Photo Stations

Community shoreline monitoring



Know Your Tides

Monitoring local tides



Rising Together NJ

Sharing flood stories



Documenting the coastal places we love

Atlantic City, NJ Atlantic County

High Water Report by Angela Walters

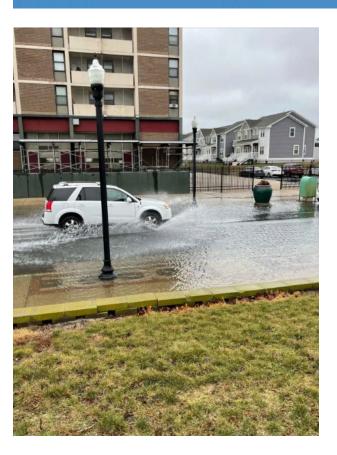
01/23/2023 | 9:53 am

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'

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 & 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

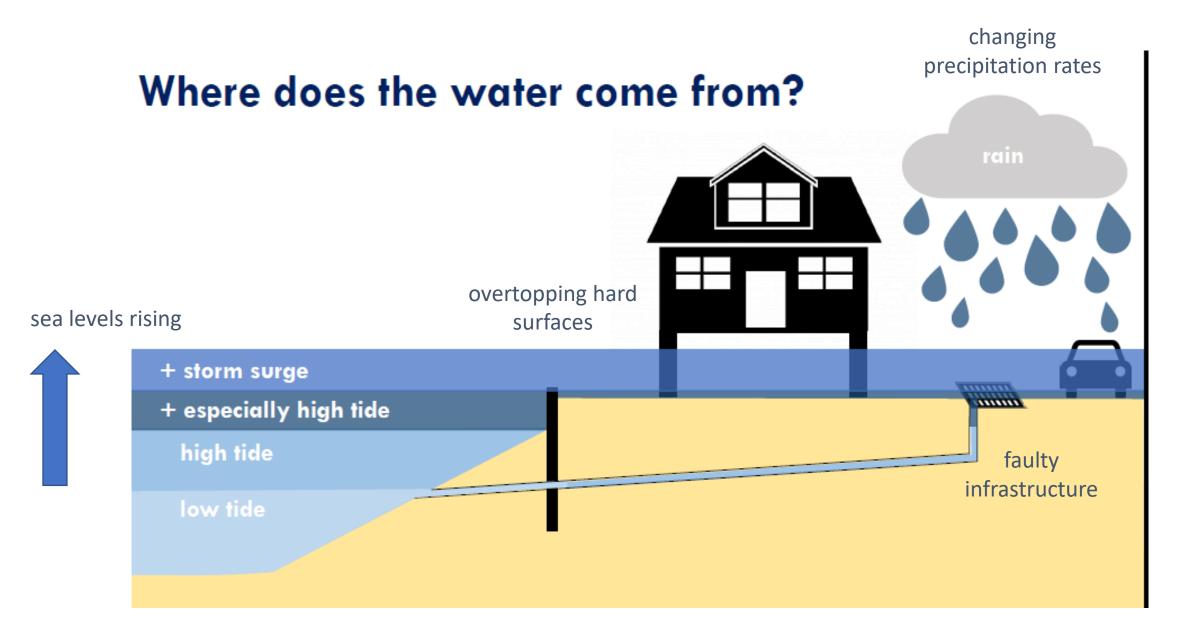
Data from ABSECON CREEK AT ABSECON NJ (6.9 miles away)

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

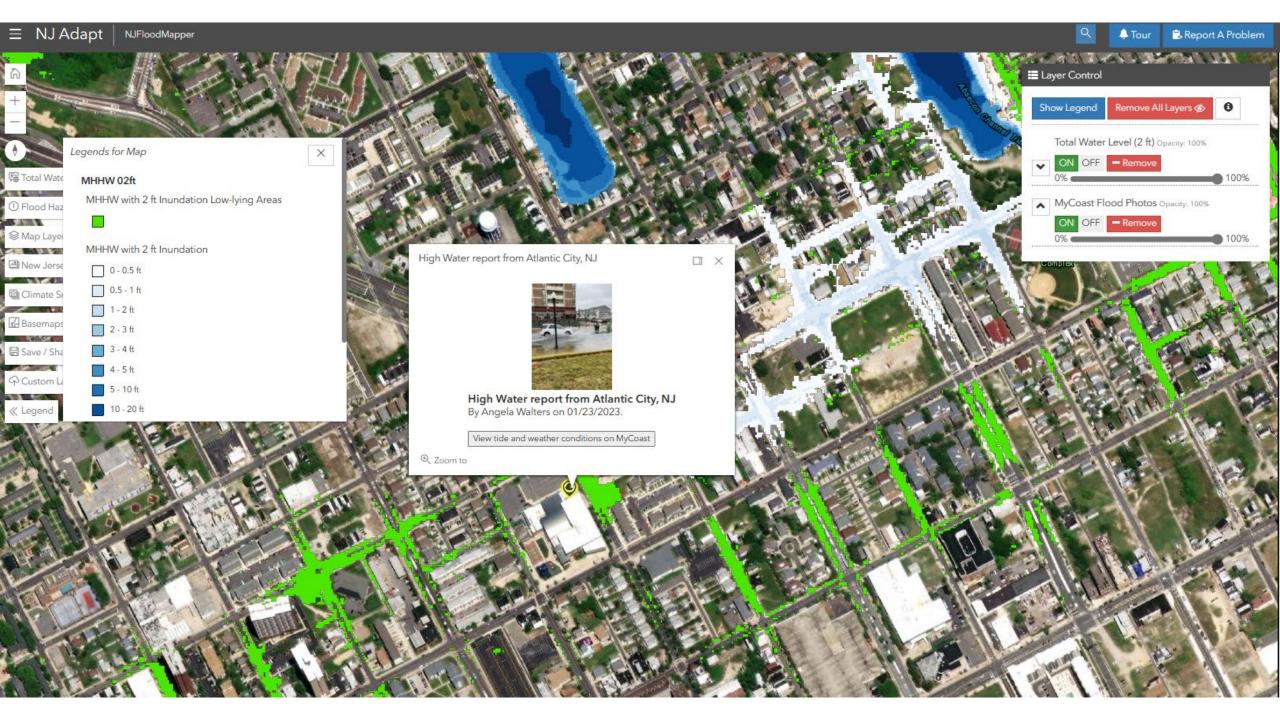
(Click here for full riverine details from USGS)

Source of Flooding: Ocean





"The Perfect Storm" isn't always a storm







Submitting 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.

04/26/2021 | 9:25 am

Tidal Overview

2 hours 7 minutes after high tide

Data from ATLANTIC CITY, OCEAN (5.8 miles away)

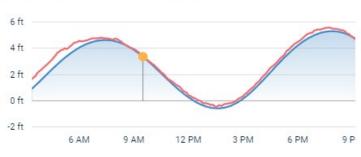
All heights shown relative to Mean Lower Low Water (MLLW): the daily low tide level averaged over a 19-year period.

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'





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

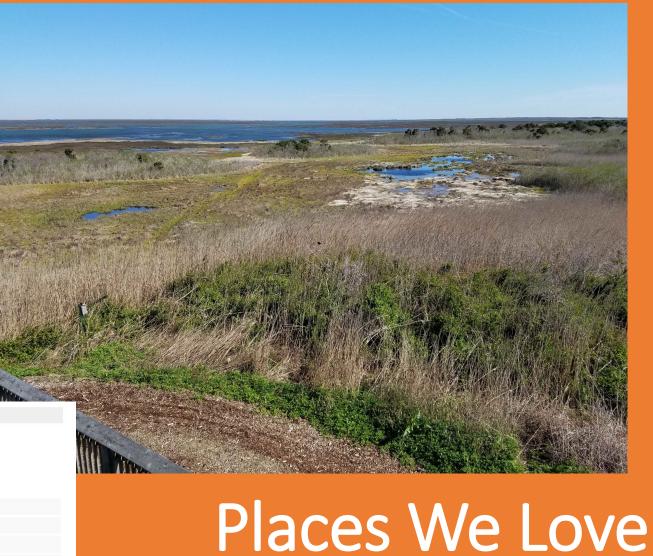
Weather Overview





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)





BE TIDE SMART



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

Download the MyCoast app

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

Sign up for flood alerts
Use nixle.com to receive texts with local flood alerts.

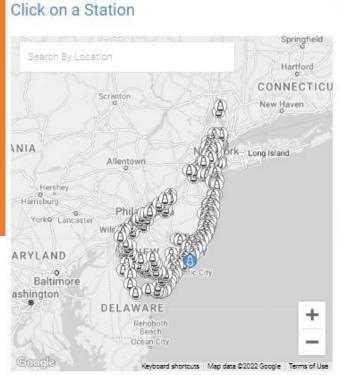
4. Know your risk
Assess your risk from flooding and storms with njfloodmapper.org.



Sunny Day Flooding

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





Selected Station: ATLANTIC CITY, OCEAN All heights shown relative to Mean Lower Low Water (MLDW): the daily low tide level averaged over a 19-year period. Tides Today ■ Observed ■ Predicted water level @ Report time 9 AM 12 PM 3 PM 6 PM 9 PM Upcoming Tides (Scroll to see future days) Date Time Type 3:45 PM Today 41 10:24 PM 0'11" Low 4:30 AM 3'5" Tamorrow 10:15 AM 111



Know Your Tides

4-27 DM

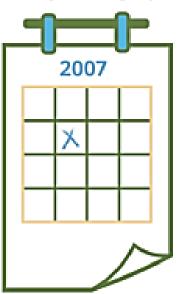
(Click here for full tide details from NOAA Tides & Currents)

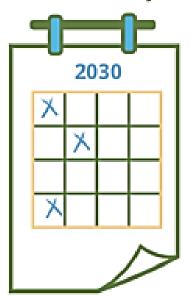


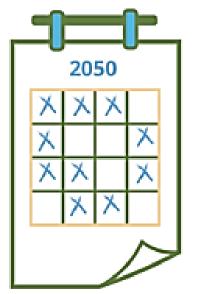


In 2007, Atlantic City experienced 8 tidal (sunny) flooding days. By 2030, there's a 50% chance that will increase to 34 days.

And by 2050, it could reach 120 days a year.









When Will Tides be Higher?

According to NOAA's monthly high tide flooding outlook, in 2024 New Jersey will see higher than normal tides on:

September 17-21 October 15-21 November 14-18 December 13-16



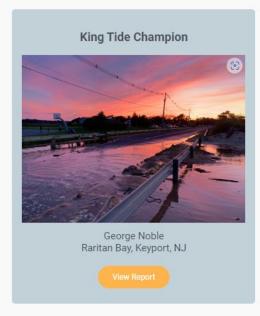
KING TIDES ARE COMING!

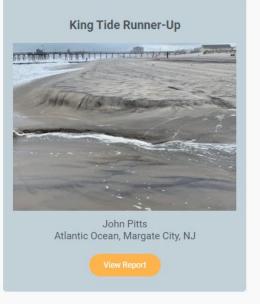
Did you know that tides are influenced by the moon? This summer, a full moon will be the closest to the earth during its monthly orbit, causing higher than normal tides. Upload high water photos during contest dates for a chance to win prizes!

Wave 1 begins July 31 and closes August 5

King Tide Photo Contest Results Summer 2023 Winners Gallery

A total of 163 high water reports documenting flooding in NJ communities were submitted during the MyCoast Madness King Tide Photo Contest during the summer of 2023.



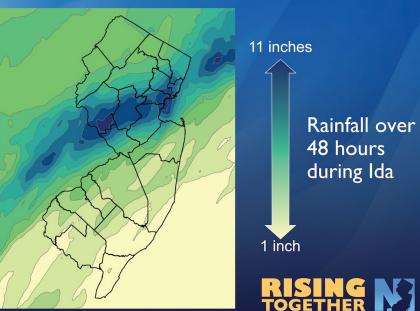




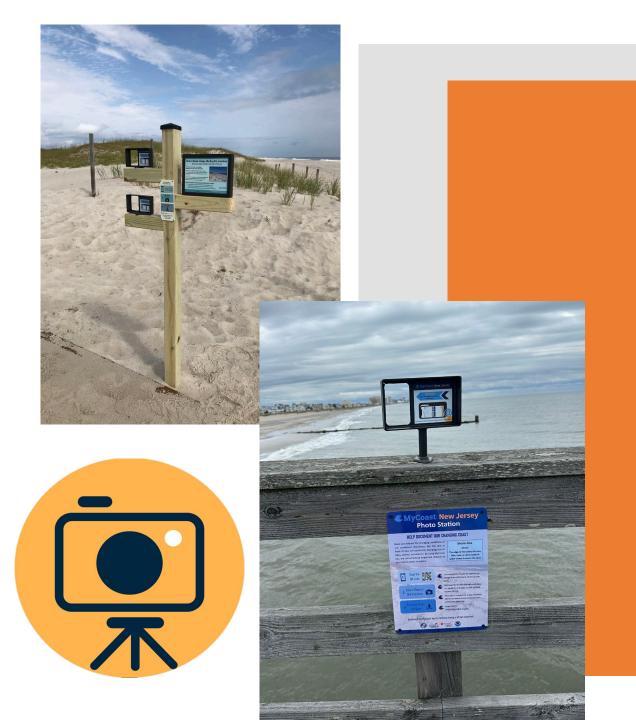




What was your Ida experience?



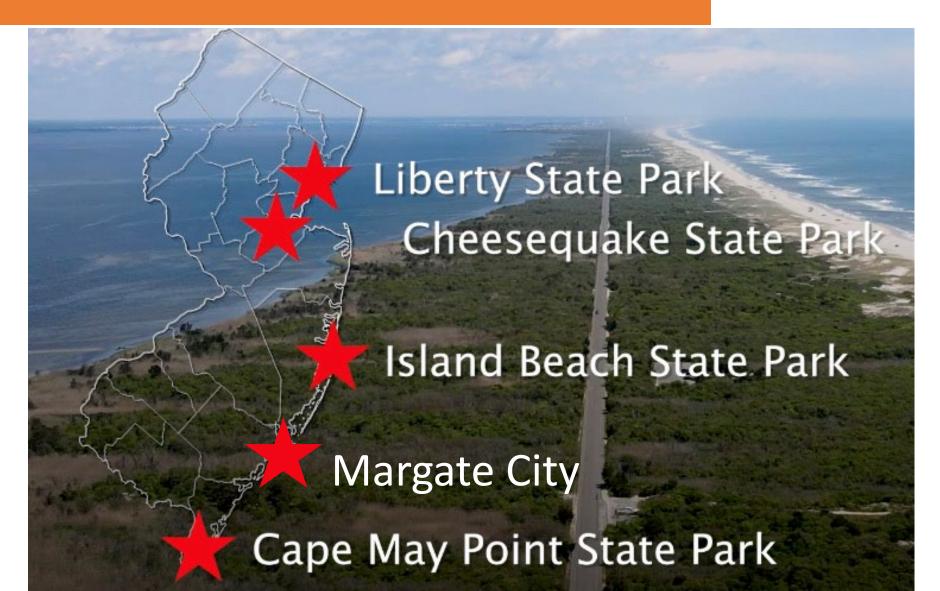
Data courtesy the New Jersey Climate Change Resource Center at Rutgers University.



- 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





Fisherman's Walkway -Amanda Archer, 2/27/23



Fisherman's Walkway -NJ Anonymous, 9/16/23 3:57pm



Margate City Pier- NJ Anonymous, 11/28/23 2:44pm



Margate City Pier- Steven Jasiecki, 1/10/24 7:36pm



Cheesequake State Park-NJ Anonymous, 12/27/23 2:15pm



Cheesequake State Park-NJ Anonymous, 1/10/24 9:32am

Follow one or more of these accounts on Facebook, Instagram, or X to stay up to date on MyCoast happenings!

Jacques Cousteau NERR
New Jersey Department of Environmental
Protection



@jacquescousteaunerr @njcoastalmanagment @nj.dep



@JCNERR
@NewJerseyDEP



MyCoast: New Jersey

PHOTO STATION CHALLENGE

AUGUST 30 - OCTOBER 31

Calling all community scientists and coastline travelers!

Shorelines are constantly changing due to higher tides, more intense storms, and frequent erosion. Join the MyCoast Photo Station Challenge this summer to help document important impacts to our New Jersey shorelines!



TO PARTICIPATE:

- Download the MyCoast app
- 2 Submit a report at each location by taking a photo of the shoreline
- 3 Visit all six MyCoast Photo Stations during the challenge period









Once you complete the challenge, visit the MyCoast NJ website to claim your prize!

CONTEST DETAILS:





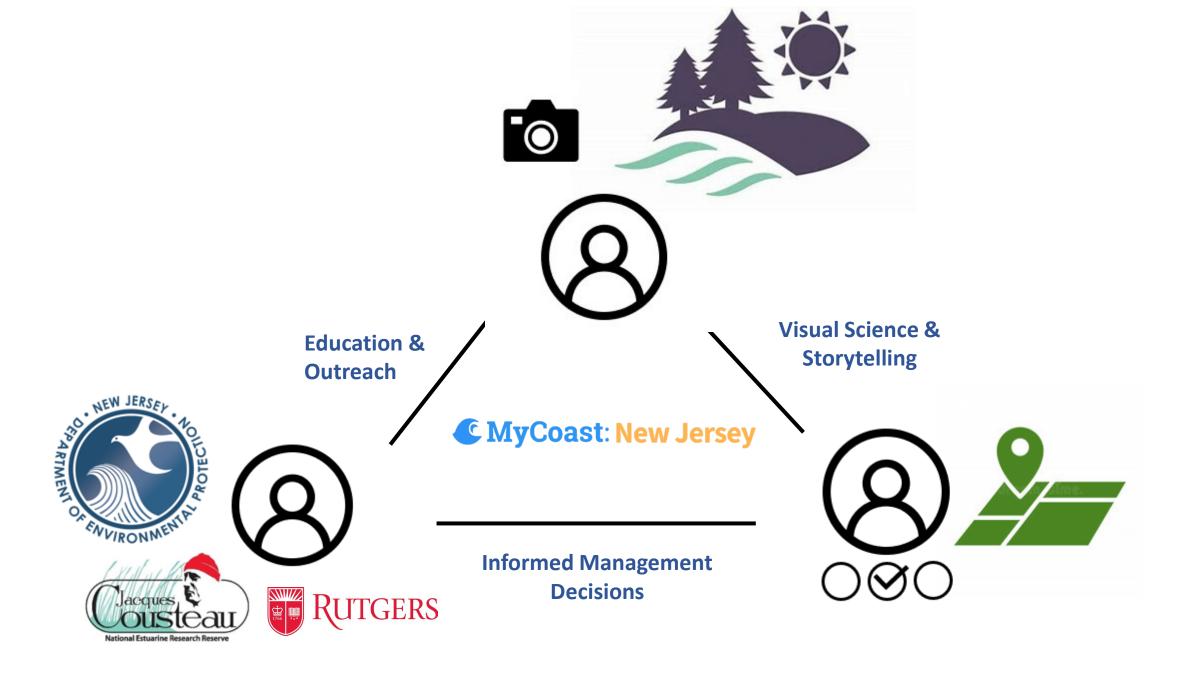




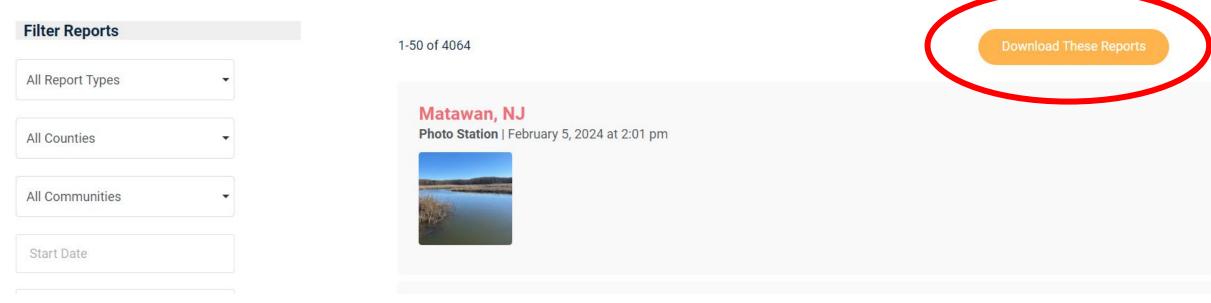
www.mycoast.org/nj



amanda.archer@marine.rutgers.edu







Ways to Use MyCoast data and photos!

Real – time awareness

Planning

Project siting/design

Permit review

Grant proposals

Model calibration/ground-truthing

"Seeing changes over time in our coast is so impactful."

~ TOTE Workshop 2023

"Documenting coastal degradation through MyCoast might make the difference in getting approval[s] and acquiring funding."

~ Green Team member 2023

1,203 users with an account5,741 reports submitted

15 NJ flood notifications sent in 2023

9 NJ flood notifications sent in 2024

Users & Feedback

What is to come?

Continued use of this platform to go beyond coastal flooding



Work with partners to install more photo stations to document shoreline changes

Nominate a Site!



Use community reports to document changes to habitat restoration sites



Engage educators to use MyCoast: New Jersey in classrooms as a local, onthe-ground climate change education tool

You want to take part... but what can YOU do?







Download the app and sign up for high water alerts

Post your photos and stories to MyCoast NJ

Share on social media





Attend community events and become an amplifier

Keep using MyCoast

We can't do it without you!





Contact

Amanda Archer | amanda.archer@marine.rutgers.edu Devon Haines | devon.haines@dep.nj.gov









Stay in the know!

Sign up for access to upcoming events, trainings, webinars, articles and more.



Amanda Archer, Coastal Training Program Coordinator amanda.archer@marine.rutgers.edu