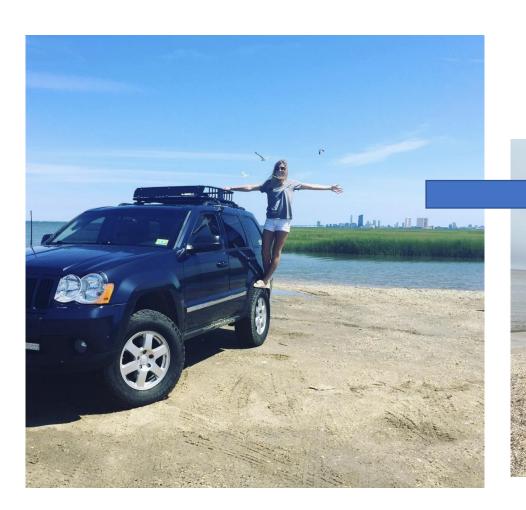
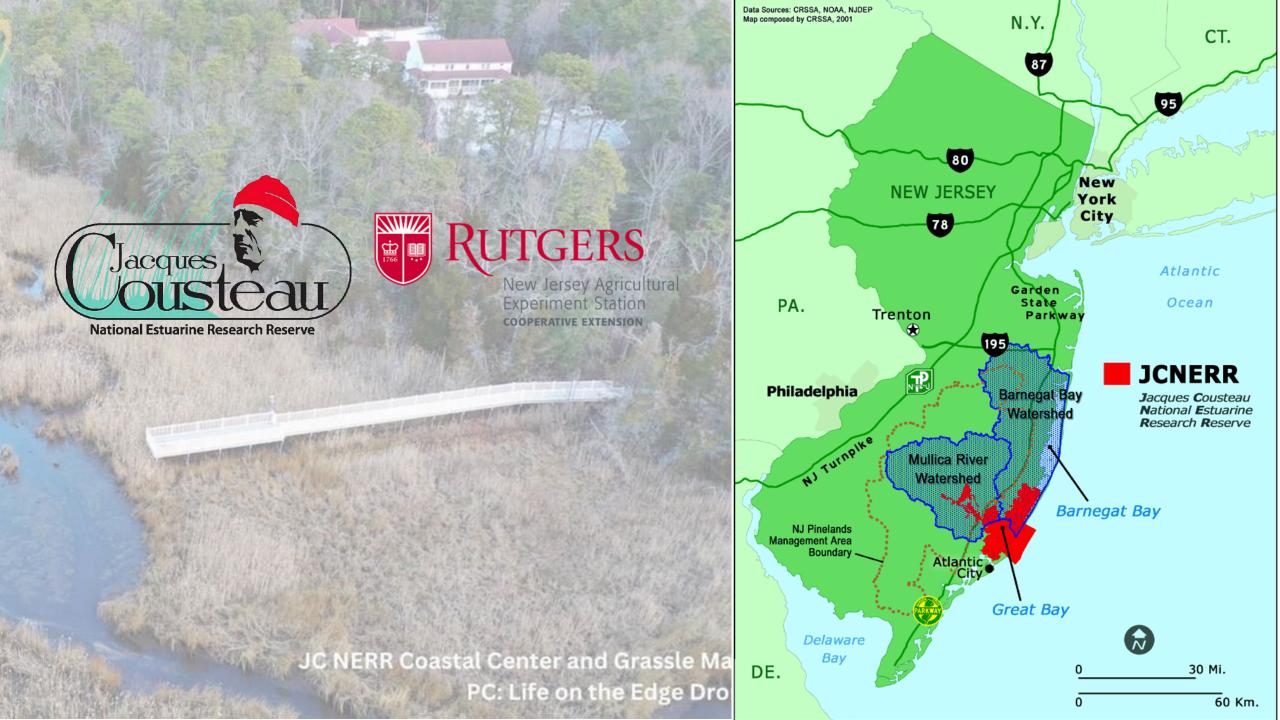


Hi, I'm Amanda!

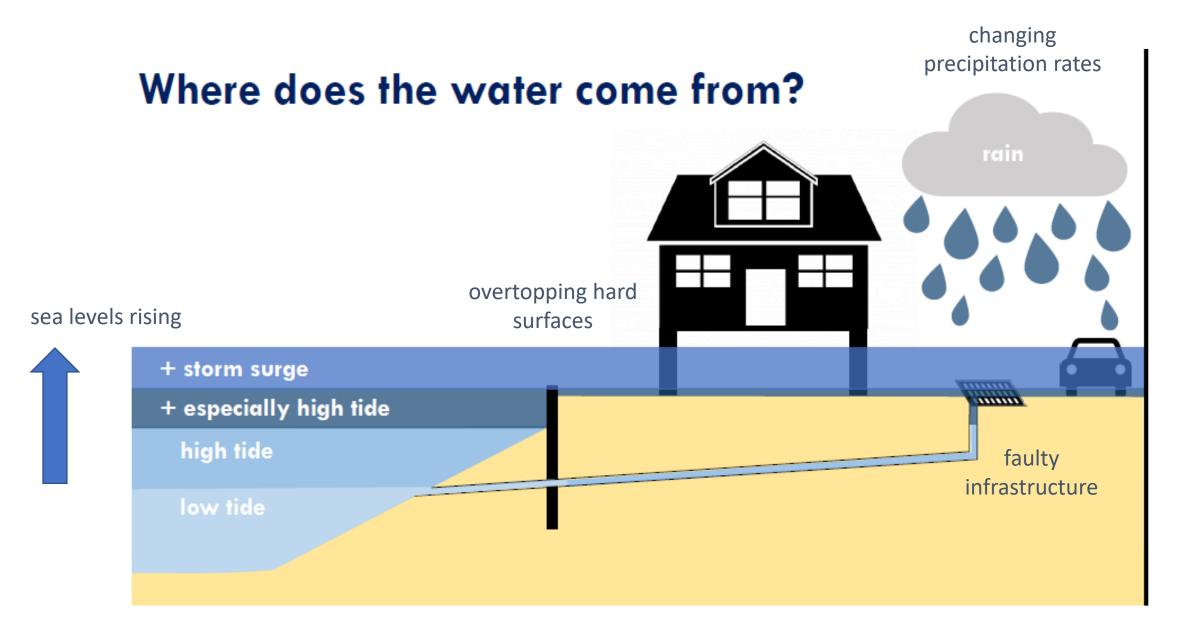
and here's my why:







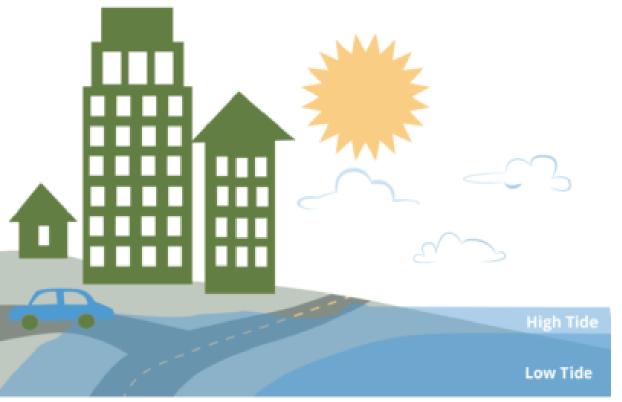
What parts of NJ are considered the "coast"? Coastal New Jersey Much more than the Shore!



"The Perfect Storm" isn't always a storm

Sunny Day Flooding

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

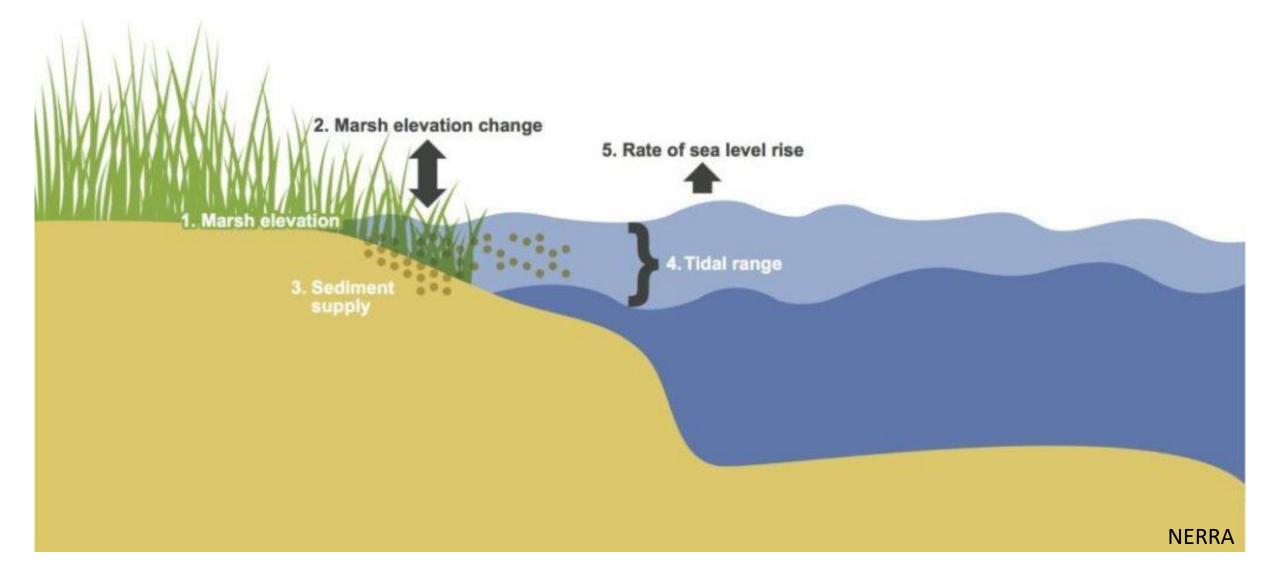




Click on a Station



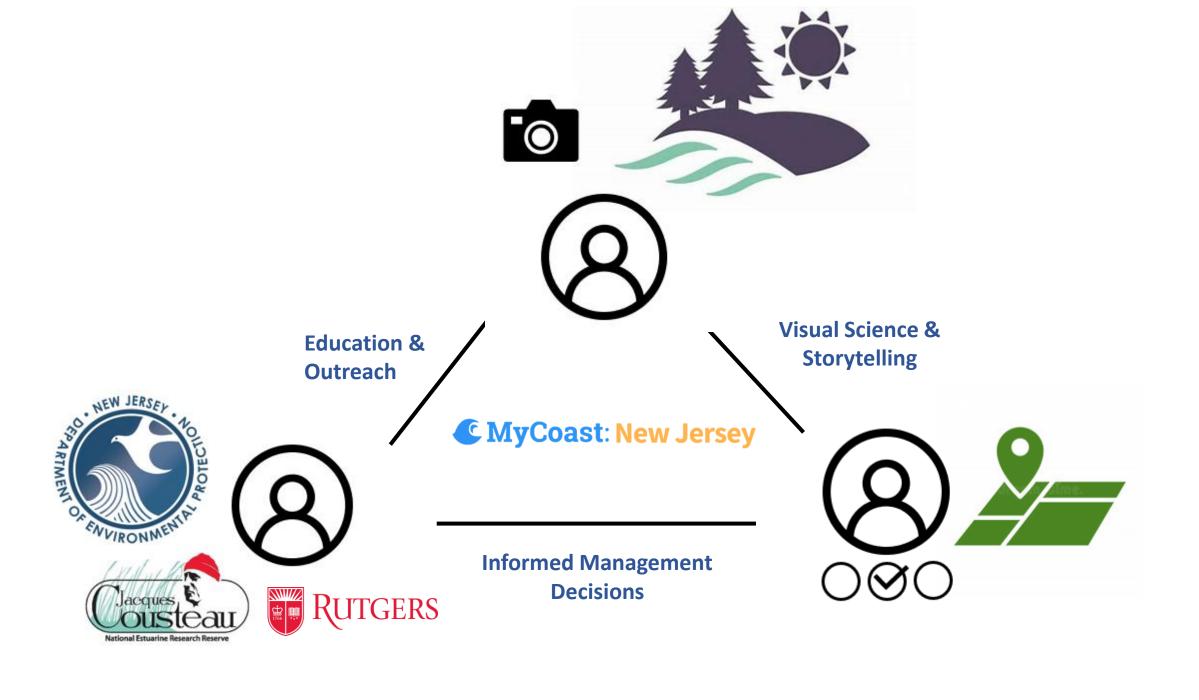
What happens to natural features, such as marshes?



- 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.

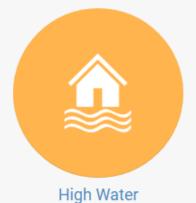






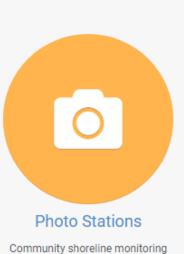
New Jersey MyCoast Tools

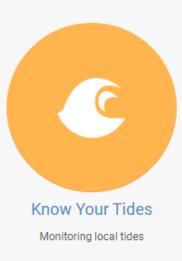
Use these buttons to view existing photos and submit your own.



Tracking flooding

across the state









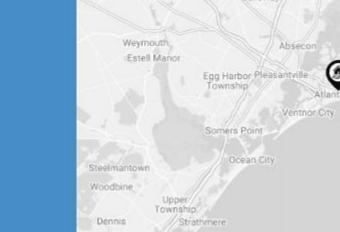
places we love

Atlantic City, NJ Atlantic County

High Water



View on NJFloodMappe



High Water Report by Angela Walters

01/23/2023 | 9:53 am

01/23/2023 | 9:53 am

Tidal Overview

1 hours 17 minutes after high tid

Data from ATLANTIC CITY, OCEAN (1 miles away)

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

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

High Tide (Predicted): 8:22 am, 5.4'	
High Tide (Observed): 8:36 am, 6.4'	
Observed Predicted water level Report time	
8ft	
6ft	
4ft	_
2ft	
Oft	
-2ft	
6 AM 9 AM 12 PM 3 PM 6 PM 9 P	PΝ

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

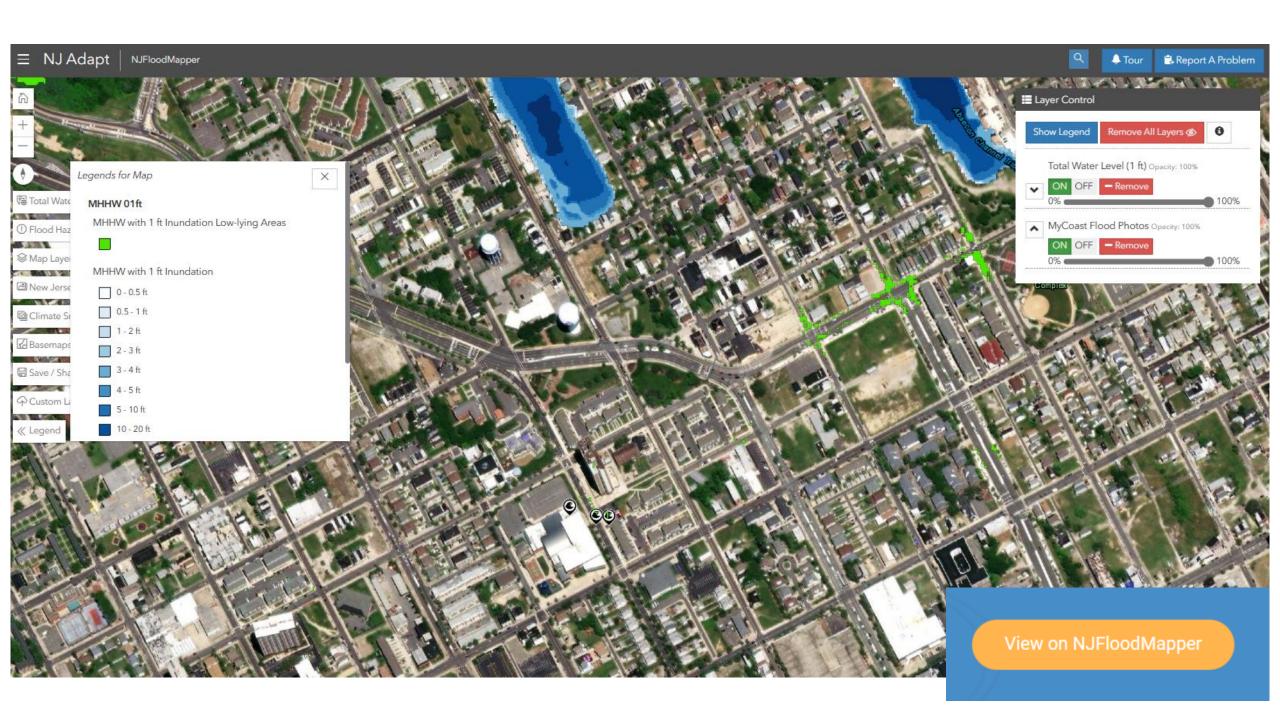
Data from ABSECON CREEK AT ABSECON NJ (6.9 miles away)

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

(Click here for full riverine details from USGS)

Source of Flooding: Ocean





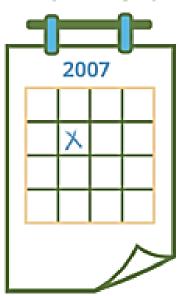


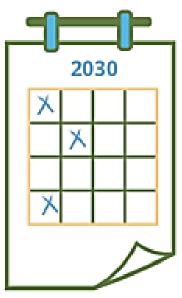


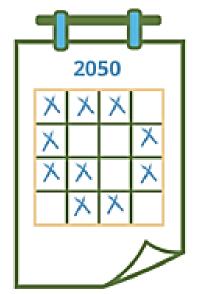
More Sunny Flooding

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.











04/26/2021 | 9:25 am

Tidal Overview

2 hours 7 minutes after high tide

Data from ATLANTIC CITY, OCEAN (5.8 miles away)

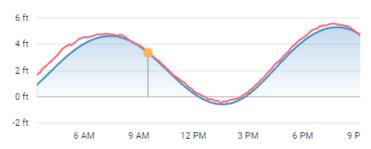
All heights shown relative to Mean Lower Low Water (MLLW): the daily low tide level averaged over a 19-year period.

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

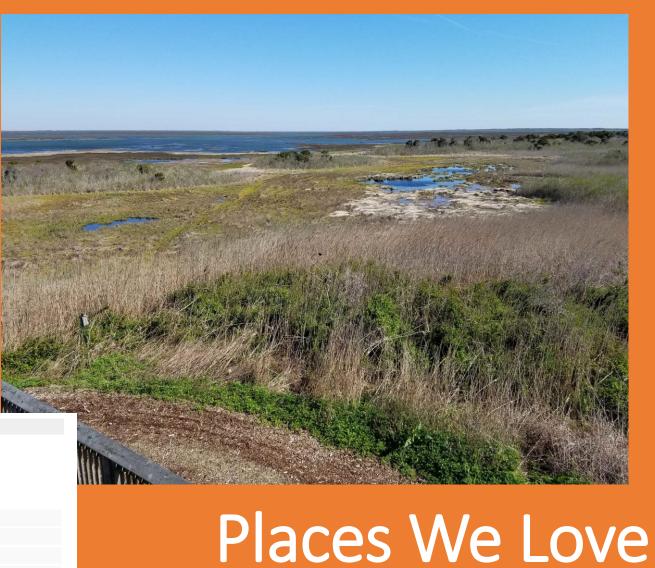
Weather Overview





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)



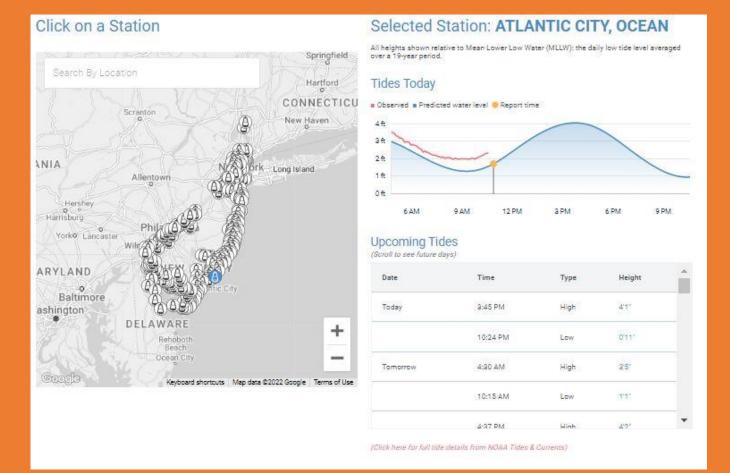




- Check your tides
 - Use mycoast.org/nj/tides for local tide information.
- Download the MyCoast app

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



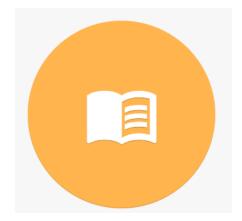


Know Your Tides

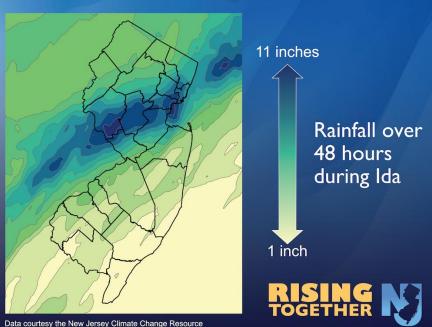












Center at Rutgers University.



- Five locations
 - Various coastal lines
- 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

24 Hour King Tides at Cheesequake State Park



02/10/2024 | 11:26 am

02/10/2024 | 3:14 pm

02/11/2024 | 8:44 am

02/11/2024 | 1:44 pm



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:

February 9-12 March 9-12 April 7-10 May 7-8



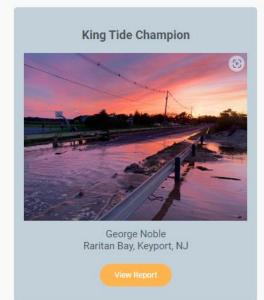
KING TIDES ARE COMING!

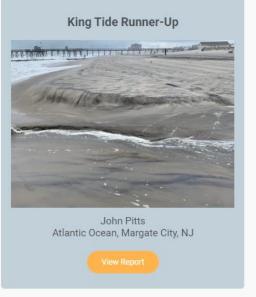
Did you know that tides are influenced by the moon? This summer, a full moon will be the closest to the earth during its monthly orbit, causing higher than normal tides. Upload high water photos during contest dates for a chance to win prizes!

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.





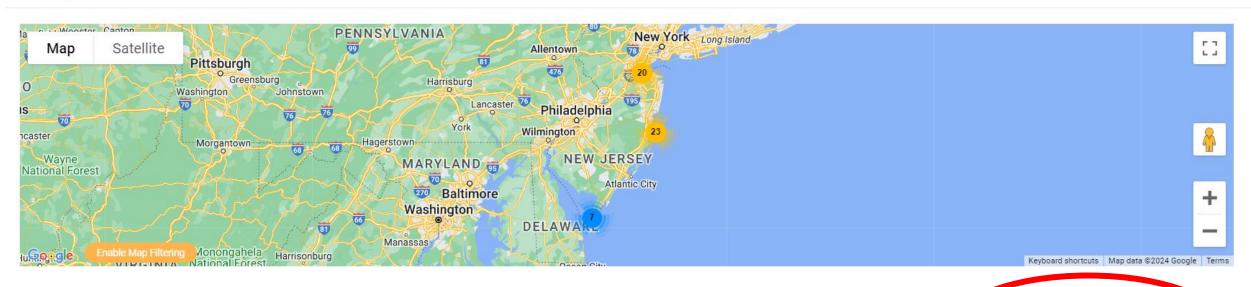
STAY TUNED!

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

IG: @jacquescousteaunerr @njcoastalmanagment @nj.dep

Twitter: @JCNERR @NewJerseyDEP







"I love citizen science projects. Seeing changes over time in our coast is so impactful. I would love to find more ways to use it in my classroom."

"Thank you for informing us about the app and ability to inform the community about our changing environment related to storm impacts"

700 users with an account

4,064 reports submitted

15 NJ flood notifications sent in 2023

User Analytics & Feedback

What is to come?

Continued use of this platform to go beyond coastal flooding



Install more photo stations to document shoreline changes



Use citizen 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: New Jersey
- Share on social media
- Attend community events and become a MyCoast amplifier
- Visit a photo station
- Keep using MyCoast: New Jersey



We can't do it without you!



Contact

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









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