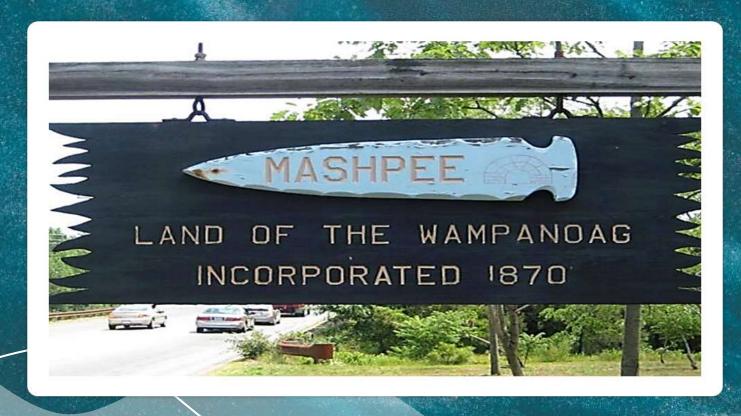
Clear Waters, Stronger Communities: Partnering for Sustainable Solutions









main map

Present-day boundaries shown

ATLANTIC OCEAN

Pocasset Pokanoket

Mannamoyik

Mashpee

Sakonnet

Aquinnah

Capowak

Martha's Vineyard. Nantucket Island

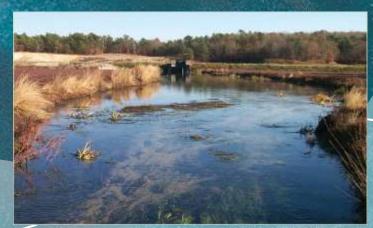
Nantucket

Cape Cod





















CYANOBACTERIA ALERT!!

Mashpee-Wakeby Pond Is Currently Not Safe for Swimming, Children or Pets.

More Information: SaveMashpeeWakeby.org





PUBLIC HEALTHADVISORY

CYANOBACTERIA BLOOM PRESENT



Waterbody Unsafe for People and Pets



Do not swim.



Do not swallow water.



Keep animals away.



Rinse off after contact with water.

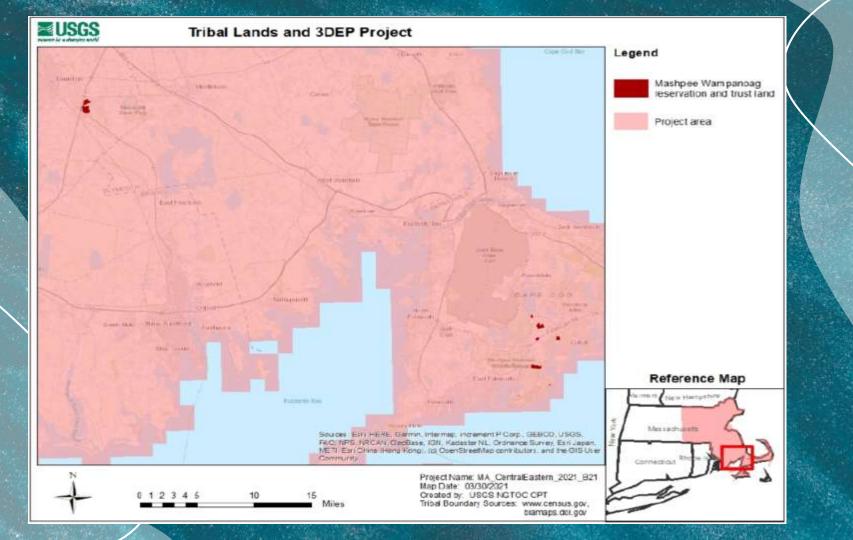
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PFAS IN OUR ENVIRONMENT:

WHAT DO WE KNOW AND WHAT YOU CAN DO

SUN MAY 19 11:30am-1:30pm

Light buffet lunch provided

Mashpee Wampanoag Government Center Gymnasium 483 Great Neck Rd South, Mashpee

THE FOREVER CHEMICAL SCANDAL

Bloomberg Investigates A Bloomberg Originals Series







PARTNERSHIP IS ESSENTIAL

The Nature Conservancy

Massachusetts Rhode Island Connecticut









Massachusetts ResilientCoasts Regional Collaborative







Santuit Pond Restoration Mashpee, MA

Jason Steiding, Mashpee Wampanoag Tribe

Dale Oakley, Mashpee Wampanoag Tribe

Ashley Fisher, Town of Mashpee Kimberly Groff, SNEP Network



SNEP Network Technical Assistance

Empowering communities to achieve healthy watersheds, sustainable financing and long-term climate resilience through management of stormwater and restoration projects.





Meet communities where they are at



Engagement to find solutions



Overcome barriers to implementation



Build local capacity



Advance implementation

Project Partners & Contributors











KIMBERLY GROFF CONBULTING















Climate Change Effects on Water Quality

What Effect Does Climate Change Have on Water Quality?

Comute change increases intense weather events such as; increased rainfall that generates runoff which can transport nutrients and sediments into water bodies, more frequent drought conditions which causes stagnant water in pends and lakes, and increased temperature and more high heat days which provides water temperatures.

The combination of increased runoff, longer more frequent periods of drought, and warrier water conditions favor the formation of harmful algal blooms ((HABs), including cyanobacteria HABs (cyanoHABs) in Santuit Pond and many other ponds on Cape Cod. CyanoHABs can look like foam, scum, mats, or paint on the surface of the water.





Woronichinia naegeliana, a dominant cyanobacteria found in Santiat Pond



Cyanobacteria bloom in effect on Santuit Pond

What Are Cyanobacteria Blooms?

Cyanobacteria are bacteria that function like algae and are commonly referred to as "blue-green algae." Although cyanobacteria are typically present in surface waters, when there is excessive growth of cyanobacteria - called a bloom - water quality is impacted. The blooms can be harmful because they can produce a toxins that can be toxic to both humans and animals alike. In addition, they can reduce the amount of oxygen in the water available to fish and other aquatic life and can produce a musty odor. CyanoHABs have restricted recreational use of the pond and have impacted aquatic life that has great significance to the Wampanoag Tribe

Though weather has a large effect on the frequency of cyanoliABs nutrients, especially phosphorus, drives the intensity of the blooms. Increased rainfall, especially intense storms, deposits phosphorus directly into the pond, fueling the growth of cyanobacteria and the formation of blue-green algae.

Why is Santuit Pond so Susceptible?

Due to the elevations at which Santuit Pond sits, as well as the surrounding landscape, this body of water receives storm water runoff which includes phosphorus from sources such as septic systems, lawn fertilizer, pet waste, and yard waste. Santuit Pond also has high levels of phosphorus in its bottom sediments. Under certain conditions, these are released back into the water, a process referred to as internal loading, and provide fuel for the growth of cyanoHABs.

How to Identify a Cyanobacteria Bloom If you see a bloom, stay out of the water and keep your pets out of the water. Do not fish, swim, boat, or play in the water.

Check for and follow local fish advisories before eating any fish you collect. Do not go into or play in water that:

- * Smolls bad
- * Looks discolored
- * Has foam, scum, algal mats, or paint-like streaks on the surface
- * Has dead fish or other animals washed up on its shore or beach

To learn more about climate change effects on water quality, scan the QR code to watch a short Public Service Announcement of the impacts on the Mashpee community, filmed by Mashpee TV.

Mashpee TV.

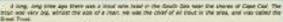
by the Physical Vulnerability Preparations Program in accordance with the State of Massachunetts with help from partners Mashpes Matural Resources, Mashpes Wampanoug Netwol Resources, Fors and O'Seil, Mashpes TV, and Mashpes Middle High School.

History of the Wampanoag Tribe

And the Significance of Santait Pond.

Tirred Sixon

WARRISH THE WART MITTER WY.



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For Manager Secretary Section For their trains of the contribute states and before their part to per-Physical In Spatial County States, No. 1994 and Physical State and No. 1994 (Said State State).







North America.

Street, Sandra Street, Street, Street,

The name "Sorbut" comes from the Warmanner word meaning "Place of the Sechems". Briant's Neck,

the paninsula on the western share of the pond was

the original site of the CM Incian Meetinghouse Built

in 1884 and events only moved by orcart to re-present location on Mochinghouse Rd in 1717, Old Indian

Meetinghouse was the first Native American church in

The Sentut Pard was a place where traditionally chiefe and tribal members alike gathered to discuss important matters and even trade goods. This is functions that Australia one or place of greek transcenses. and agriculture for the Warrawood People! The son note a hoursy starte, as good as it got on the Capit. Herring, troop, and eets were in abundance in the pond, herring were gothered for their ros and fresh meet. Her were dried, nated and procked for consumption through the winter. Herring remain a staple of the Wampenesg slot to this day, and the Wampersed people at a crishrate the entire of the magrations fish to the Sortius River.

> To learn more elect the algorismost of Senton Pont to the Wernerman Yobo, please sons the QR lode to witch a public service arminiment to hear directly free hibel marriers.



