

*UU Meeting House Chatham Welcomes the*  
**Nauset High Green Club:**  
**Initiatives, Goals, Community Involvement**

**March 9, 2025**

**Presenters:** Annika, Carly, Olivia, Zoe

**Music Director:** Frank Toppa

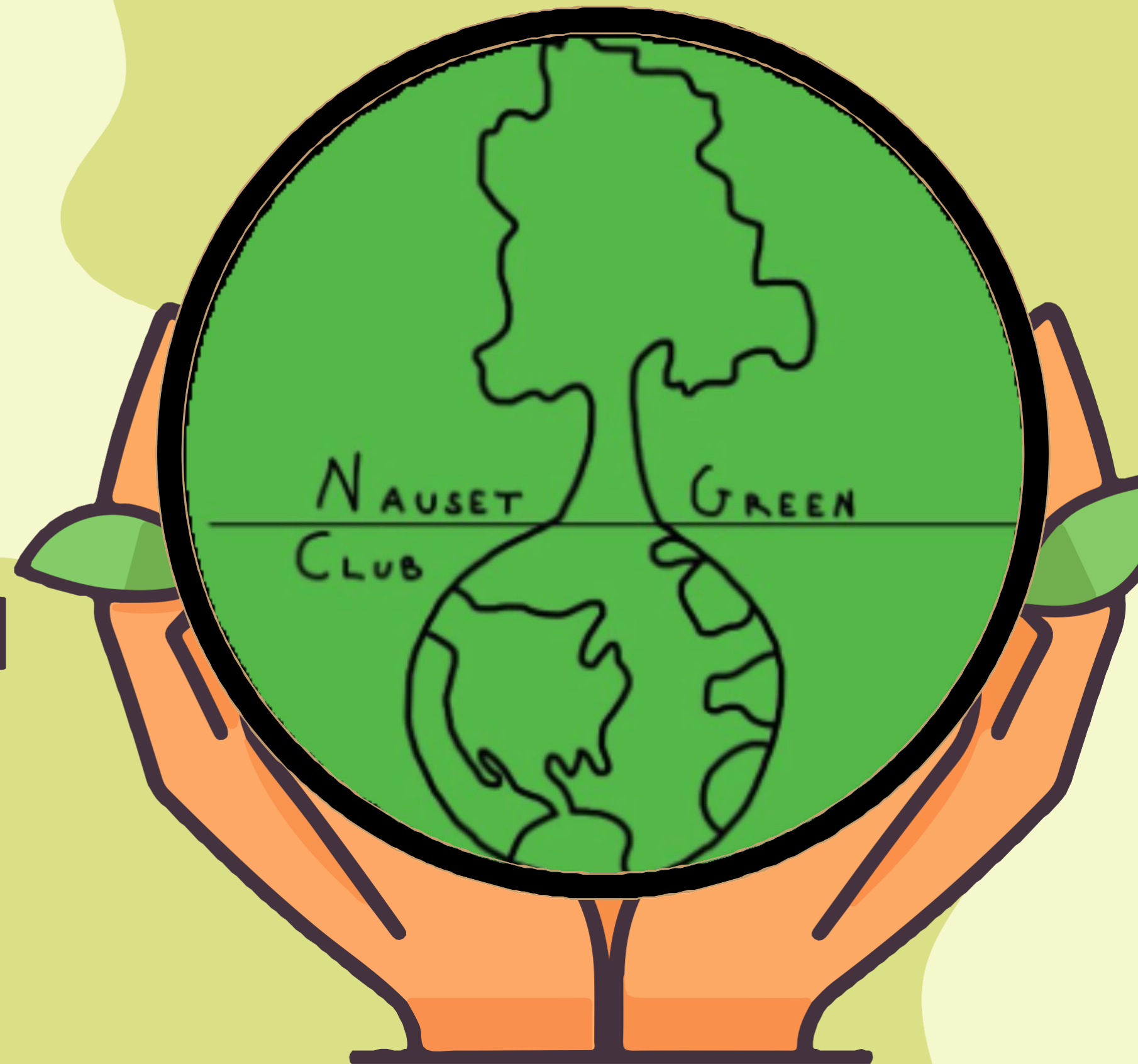
**Service Leader:** Margaret Tompsett

**Tech Assistant:** Michael Caliri

NAUSET  
GREEN  
CLUB



**A group of passionate students protecting and advocating for our planet through sustainable practices around our school and local community**



# CLIMATE CHANGE ON CAPE COD

- 1. Warming Waters**
- 2. Groundwater Contamination**
- 3. Erosion**
- 4. Pollution**
- 5. Ocean Acidification**



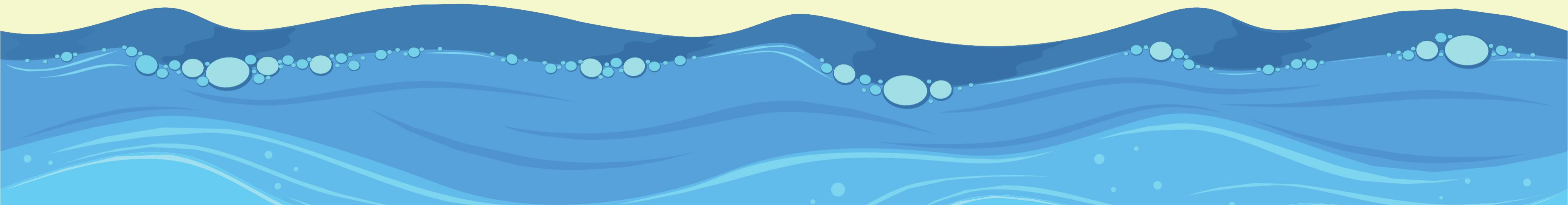
# WARMING WATERS

“The temperature of the Atlantic Ocean around Cape Cod is warming at a rate three times faster than the global average, which could affect local marine life and the people who rely on ocean resources.”

[-US Environmental Protection Agency](#)

## ***Harmful Impacts***

- Marine animals
  - Seafood industry (American lobster & Cod)
- Coastal storms
- Thermal expansion/sea level rise

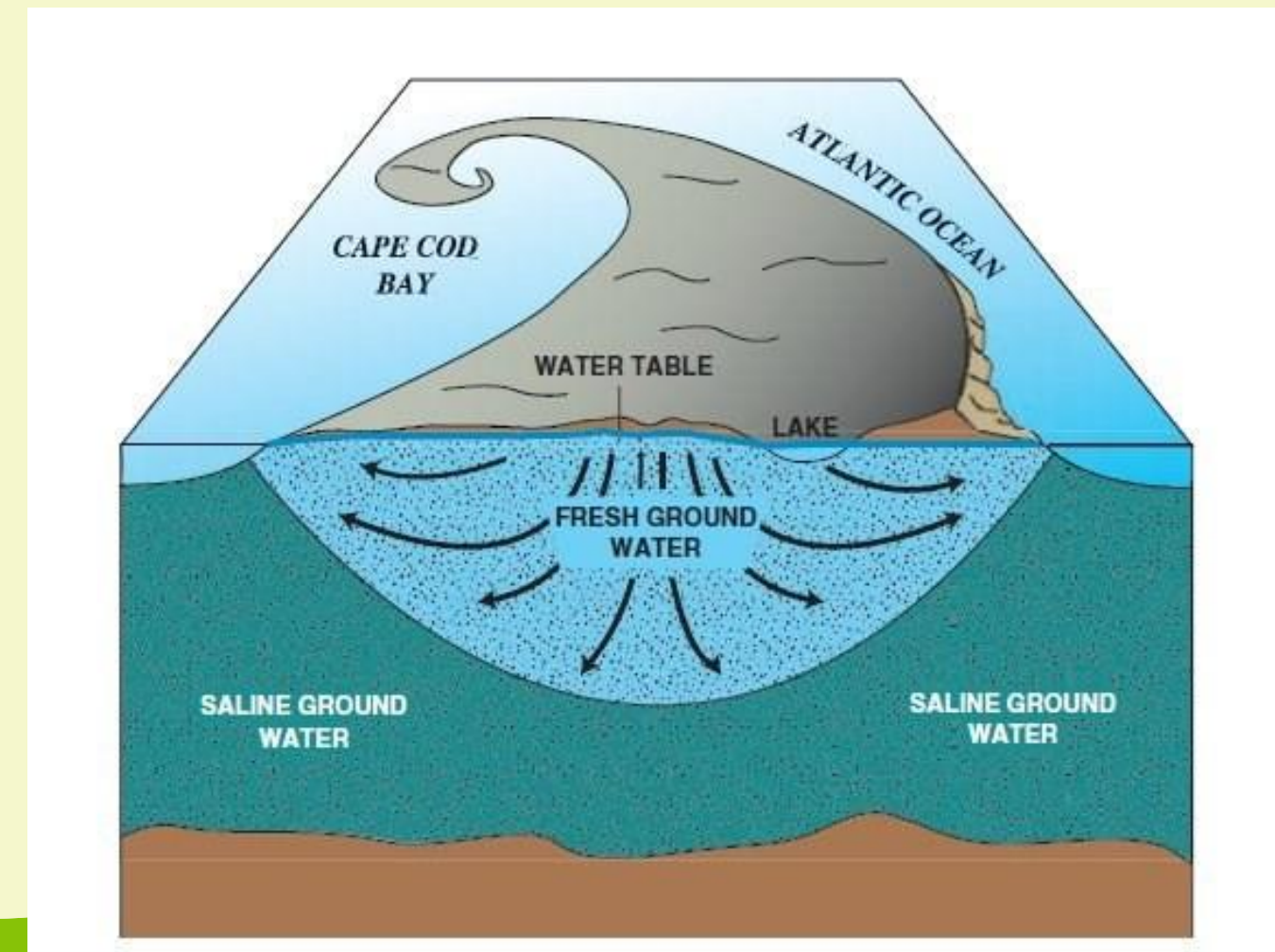


# GROUNDWATER CONTAMINATION

## *Factors*

- Septic systems
- Landfills
- pesticides & insecticides
- Chemicals and road salts
  - Gasoline and diesel (storage tanks)
- Waste

[HTTPS://WWW.NPS.GOV/CACO/LEARN/NATURE/GROUNDWATER.HTM](https://www.nps.gov/caco/learn/nature/groundwater.htm)



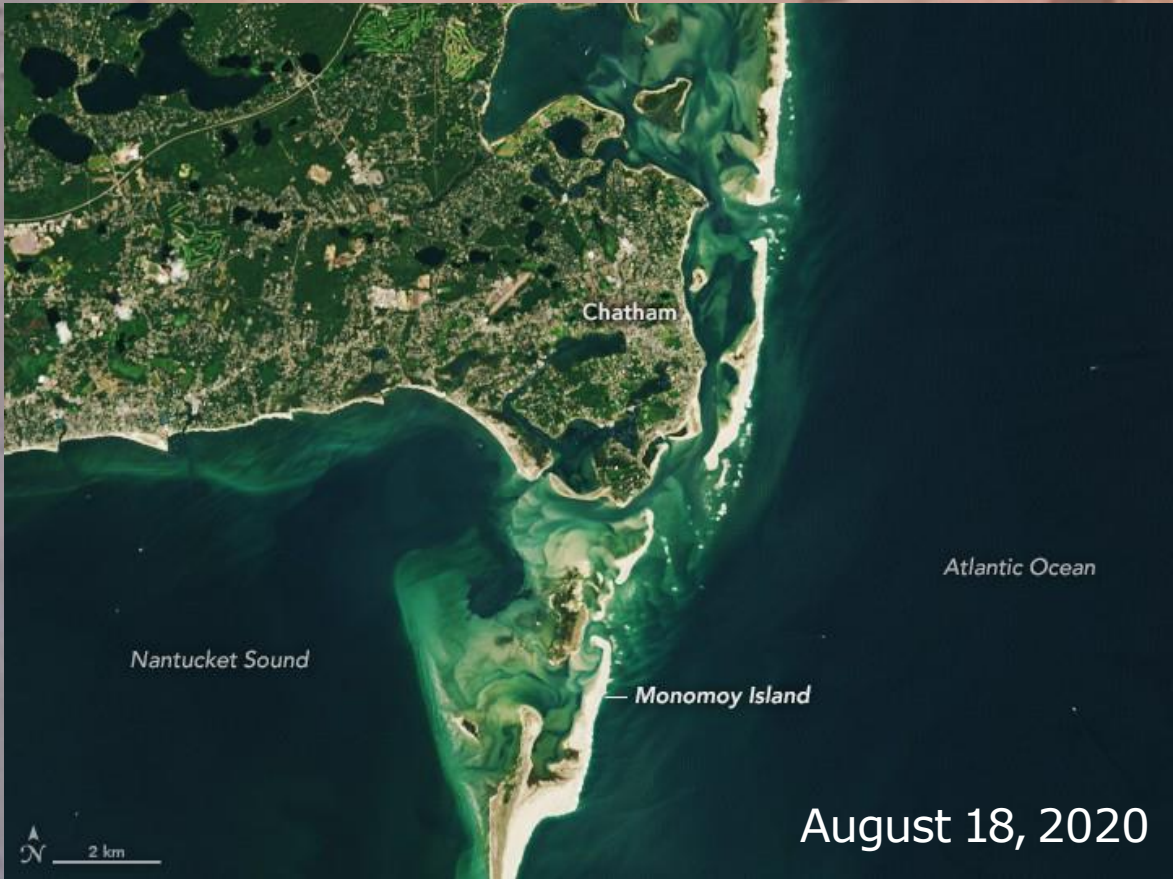
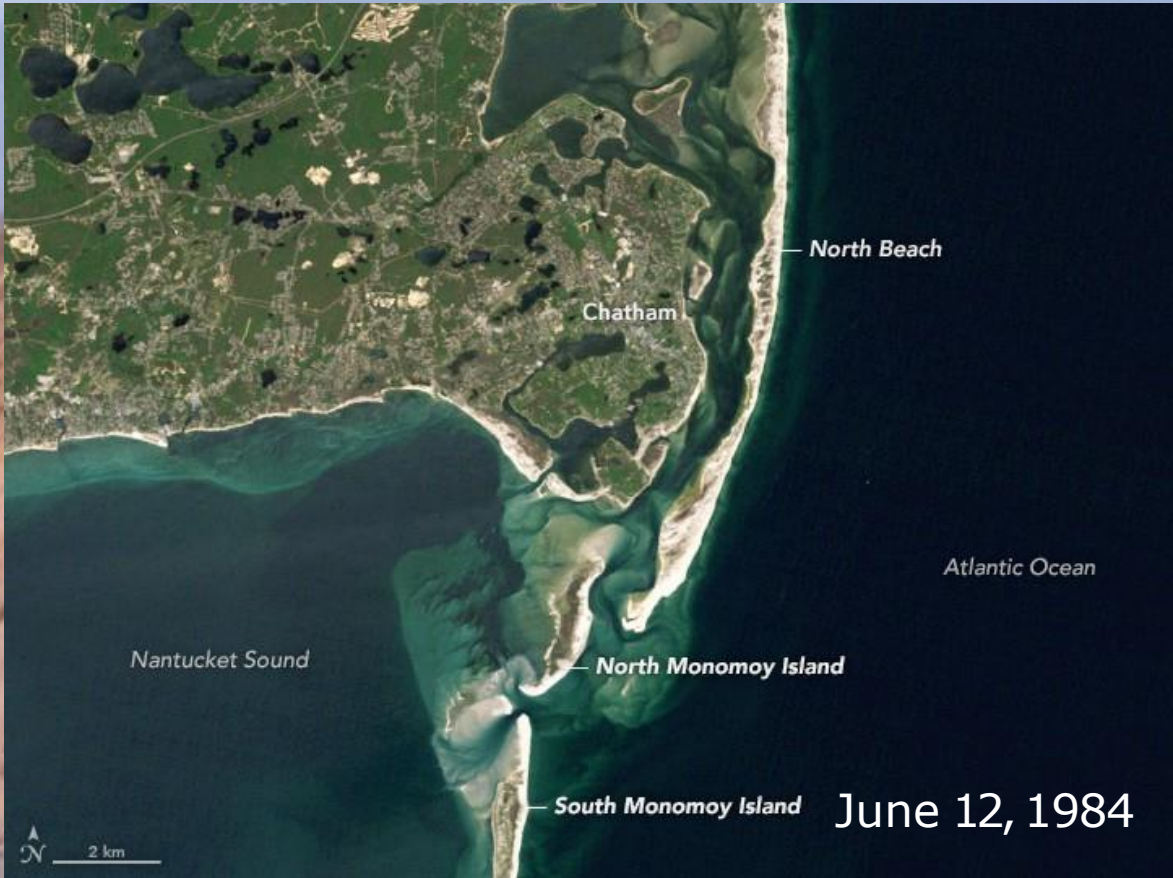
# EROSION

***Causes:***

- Rising sea levels
- Wind and waves
- Humans

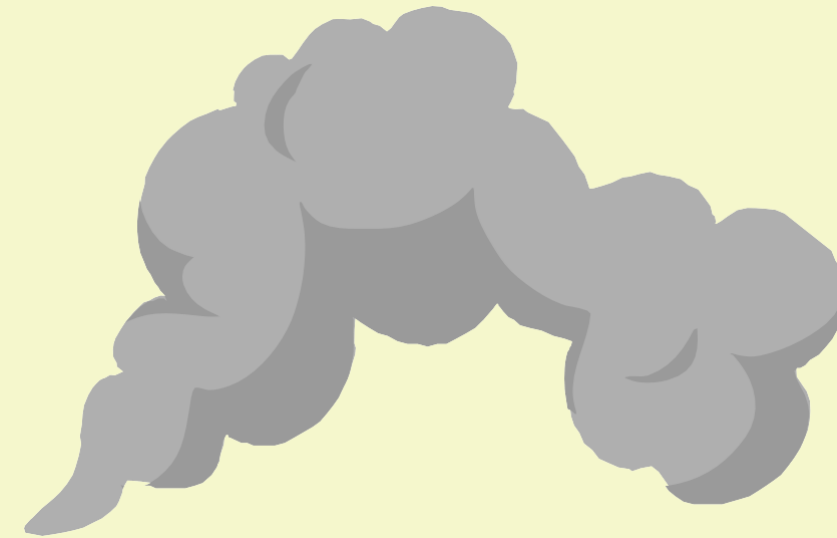
**The average natural erosion rate on the Atlantic Ocean side of Cape Cod has been 3.8 feet a year.**

**-[nausetlight.org](http://nausetlight.org)**



Runoff of oils and pesticides

Garbage/litter



*fossil fuels*

POLLUTION

Motor vehicles



Industrial facilities

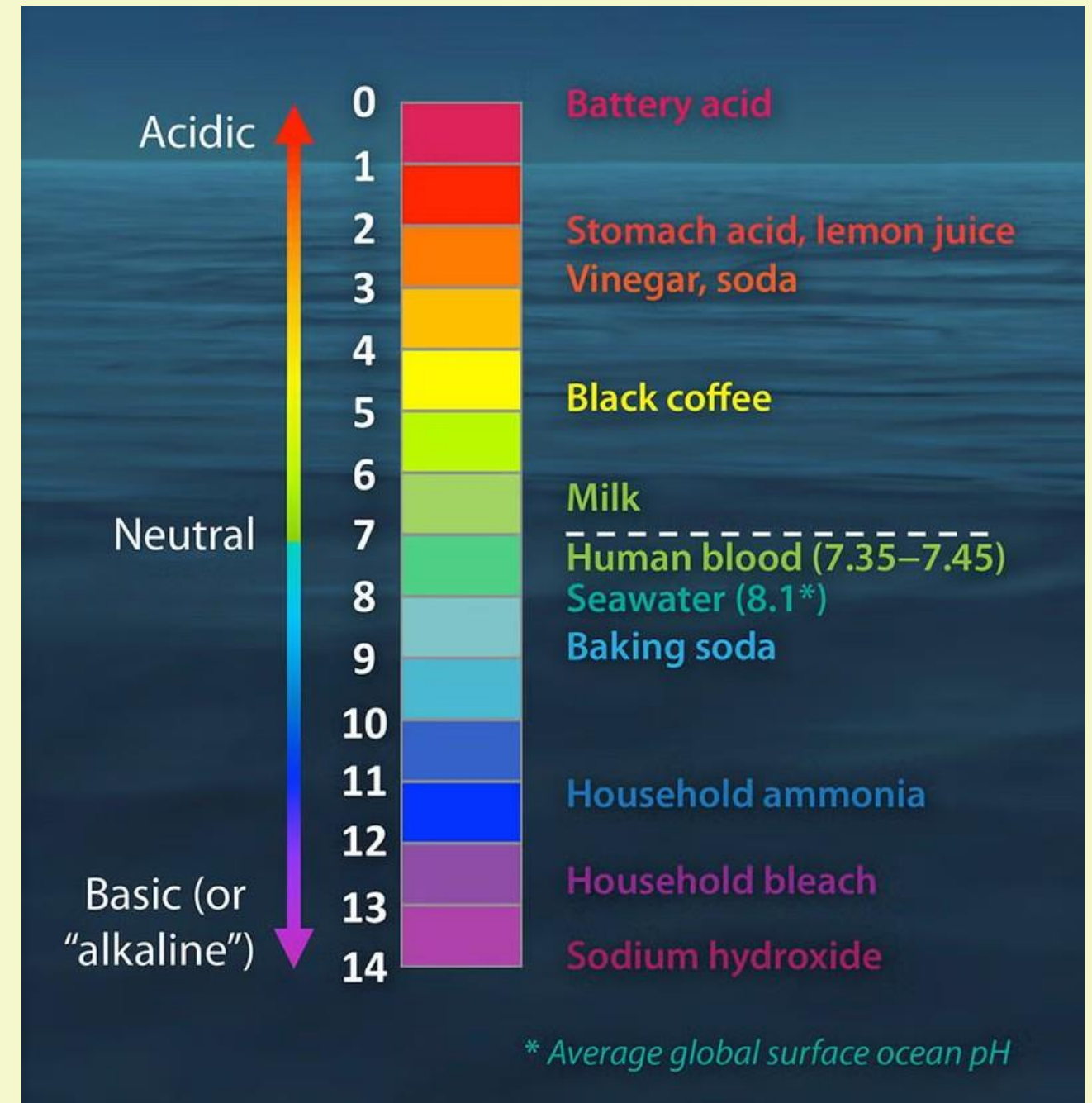




# OCEAN ACIDIFICATION

[www.ucdavis.edu](http://www.ucdavis.edu)

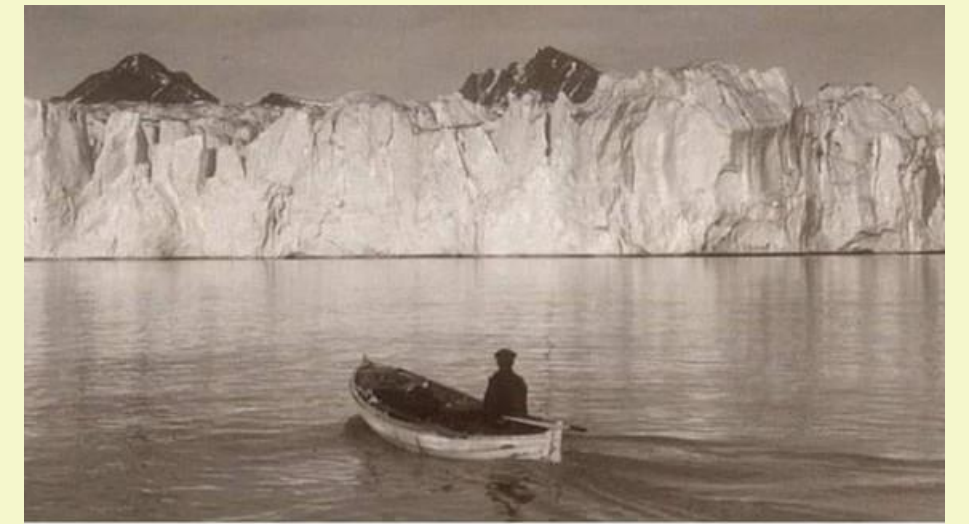
The ocean becoming more acidic. Many species can't handle this, causes harmful outbreaks.





# LARGER SCALE

Great Pacific Garbage Patch



- Droughts in certain regions
- Intensifying fires (California)
- Affects agricultural yields
- Species migration
- Economic impacts



Great Barrier Reef



# SO WHAT?

**Our future depends on  
climate change.**

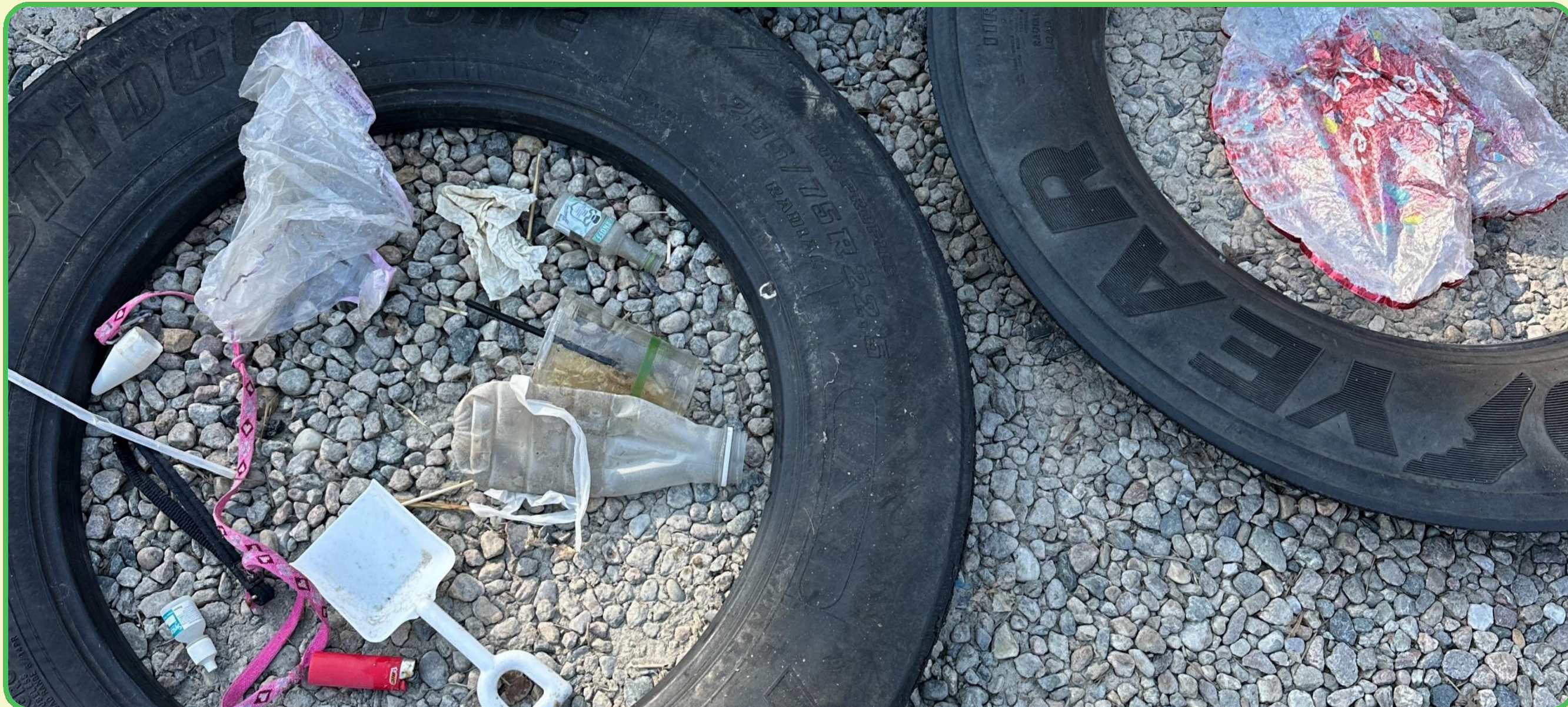


# OUR APPROACH

Creating change at a local level



# BEACH CLEAN-UPS

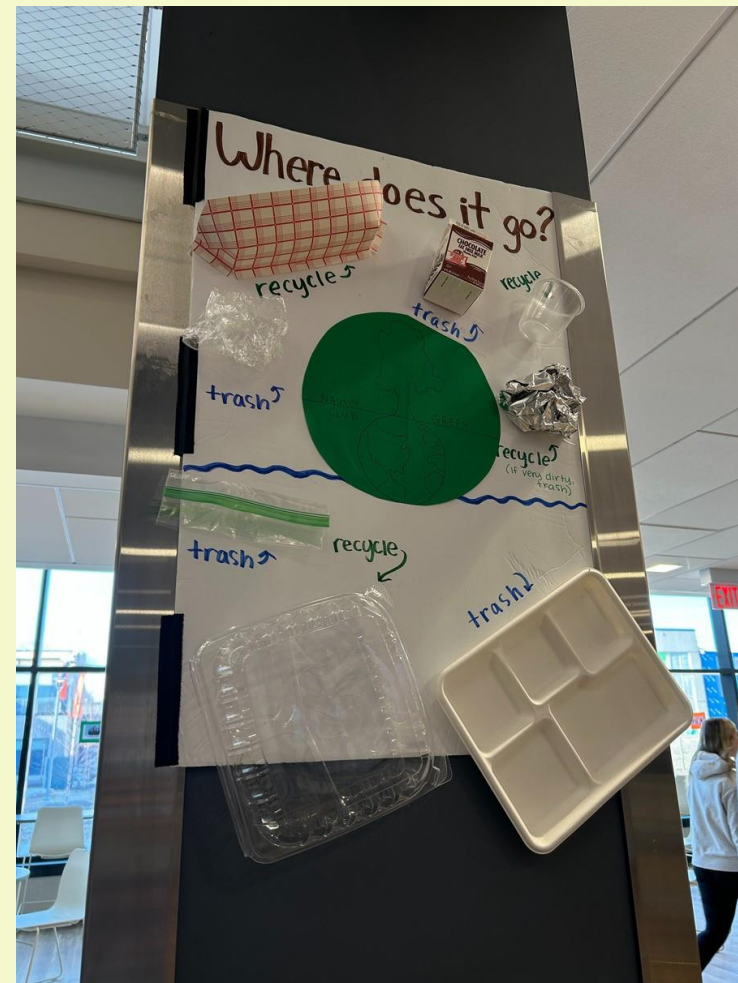


# CAFETERIA

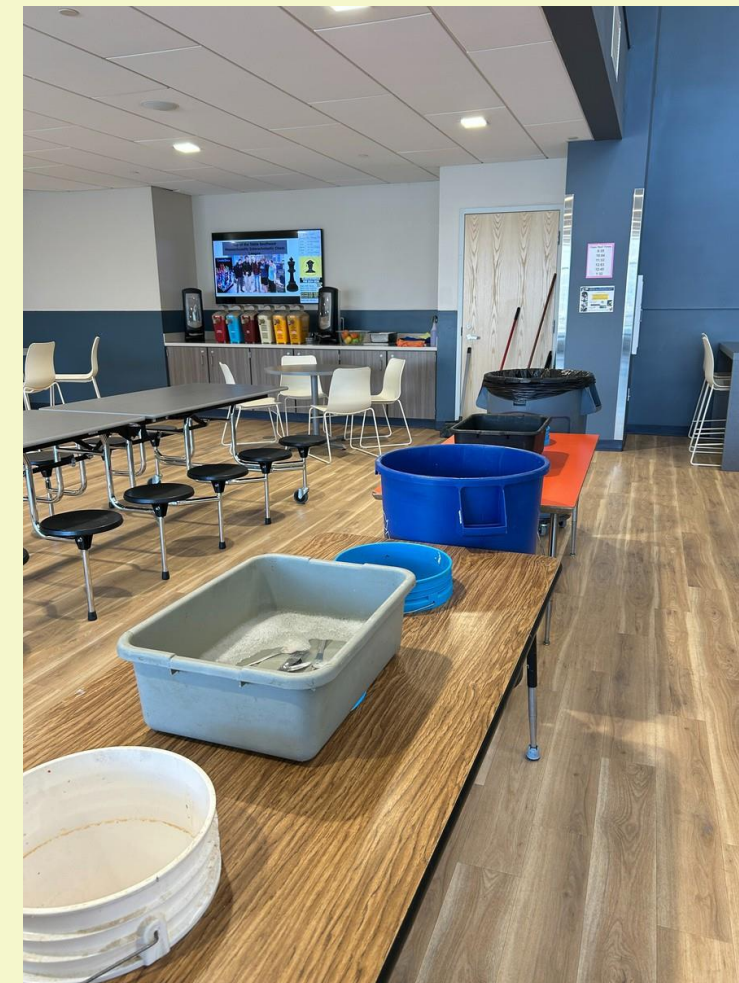
All reusable silverware



Waste Organization system



Compost with Black Earth



<b>Ingredients</b>
Serving Size 1 cubic foot/bag
Calories 200
Leaves..... provide the organic matter
Food Scraps..... to make the compost rich
Lobsters..... for their chitin-rich shells
Wood Shavings.. from stables, creates soil pores to let roots breathe
Seaweed, Clam, Oyster Shells..... for the vigor of the Atlantic
Ingredients are blended then composted in aerated windrows. Finished product is lab tested and plant trialed for quality.



# GREEN THREADS

On Campus

Orleans Farmers Market



# COMMUNITY INVOLVEMENT

● Conferences & Summits

● On Campus  
-educating others

● Meetings  
-Farm to table, March 21



Below: Award presented to the Nausest Green Club by **CARE for the Cape & Islands**

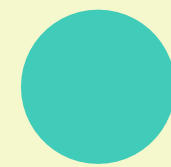




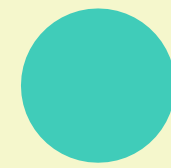




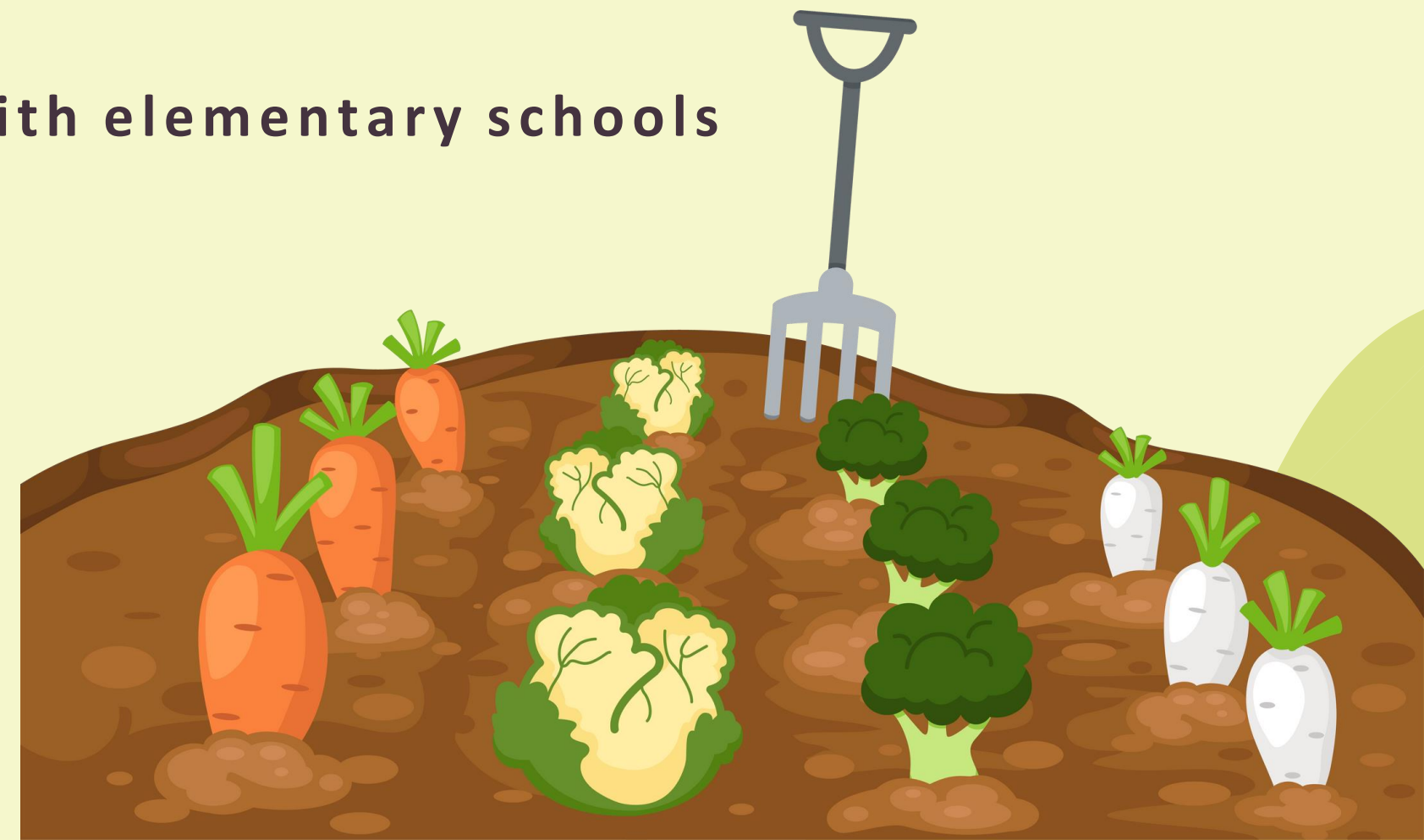
# FUTURE GOALS



**More Lively Campus**  
- plants & garden  
- birdhouses



**Connecting with elementary schools**





# THANK YOU!

Thank you to the UU Meeting House of  
Chatham for welcoming us today

*Website:*

<https://sites.google.com/nausetschools.org/nausetgreenclub>

*Instagram:*

@nausetgreenclub

*Email:*

[nrhsgreenclub@nausetschools.org](mailto:nrhsgreenclub@nausetschools.org)



**Today's service was led by:**



- **Music Director Frank Toppa**
- **Service Leader Margaret Tompsett**
- **Carly Dinnan**
- **Zoe Simmons**
- **Annika van der Wende**
- **Olivia Richards**



# ***Sources:***

- <https://provincetownindependent.org/news/environment/2023/12/06/bearing-witness-to-climate-change-on-cape-cod/>
- <https://groundwater.org/threats/contamination/>
- <https://www.capecodcommission.org/our-work/sole-source-aquifer/>