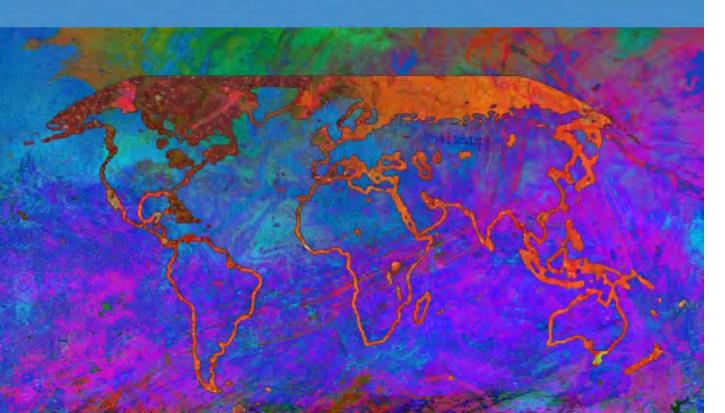




Climate Change 2021 The Physical Science Basis

Summary for Policymakers

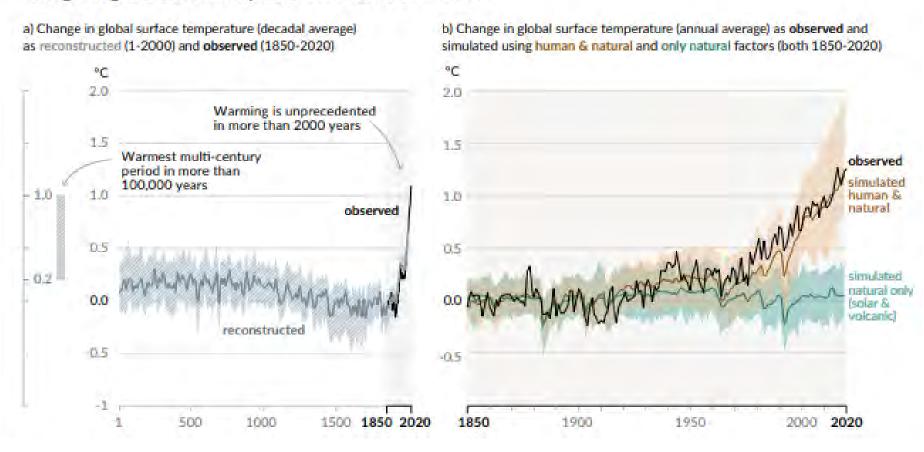


"It is unequivocal that human influence has warmed the atmosphere, ocean and land.

Widespread and rapid changes in the atmosphere, ocean, cryosphere and biosphere have occurred."

Human influence has warmed the climate at a rate that is unprecedented in at least the last 2000 years

Changes in global surface temperature relative to 1850-1900



Climate Change Impacts

Drought, Heatwaves & Wildfire Risk



MASSACHUSETTS DROUGHT STATUS Conditions beginning July 1, effective until updated Western Connecticut River **Central Region** Region Valley Region Cape Coo

2020 Drought Map

2016 Scituate Reservoir, Scituate, MA - photo by Qainat Kahn for WBUR

























Protect Health of Ecosystems – their function & services –

• **Ecosystem services:** the direct and indirect benefits we derive from nature (e.g.) oxygen, clean water, flood storage capacity, carbon storage, and our health & well-being.















A Guide to Pond Stewardship

How to start a Pond Association







CapeCodWaters.org



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State of the Waters Action Plan

The most common threats to our water quality are:

- Nutrient pollution from septic system wastewater and from fertilizers
- Stormwater runoff containing roadside pollutants, including nutrients and bacteria
- Contaminants of emerging concern such as pharmaceuticals, personal care products, PFAS and industrial chemicals

Action is needed now, especially on the municipal level. Moving forward immediately on

Recommended Actions for Coastal Embayments

- For Municipalities
- For Homeowners/Business Owners
- For State Government
- For Regional Government

Recommended Actions for Ponds

- For Municipalities
- For Homeowners/Business Owners









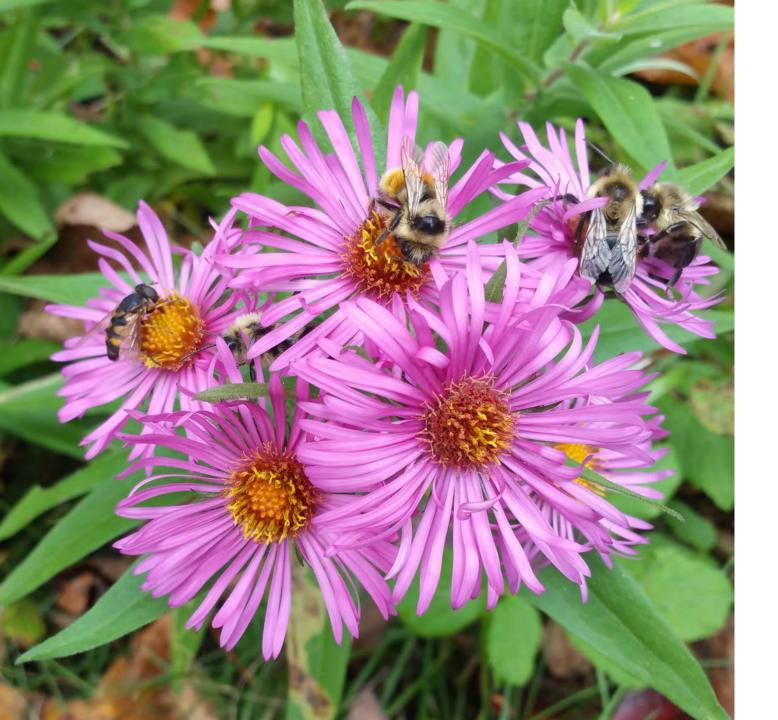


What you can do:

- Preserve flood plain land.
- Support local restoration efforts.
- Volunteer to be a herring monitor.
- Support town stormwater improvement projects.







"Everybody says they love Mother Nature, but if you look at people's yards, very few people actually invite her over." — Neil Diboll, Native Plant Ecologist

















CapeCodNativePlants.org

CHOOSE THE PERFECT PLANT

This online tool is designed to help you find the native plants best-suited for specific sites that provide the greatest ecological function and benefit, and that will also complement your Cape Cod landscape design. Using the dropdowns below, you have the ability to find plants based on these six criteria: Plant Type, Sunlight, Soils, Bloom Month, Size, and Nature Benefits. Based on your choices, the results will automatically populate.















