

Mashpee Ponds Profile

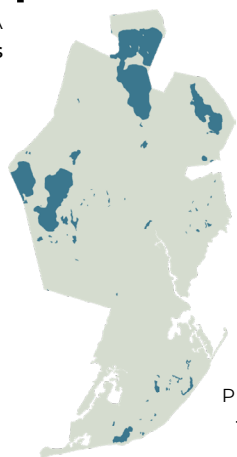
A RESOURCE OF THE CAPE COD FRESHWATER INITIATIVE



Water quality is critical to the vitality of the region's pond ecosystems and coastal embayments. Yet pollutants found in stormwater runoff, and in groundwater by which ponds are recharged, threaten the region's freshwater quality. Understanding the broad issues that impact Cape Cod's freshwater ponds, characteristics of the region's ponds, and actions at the local level all help set a baseline for understanding and action.

Mashpee

TOWN AREA
16,584 acres



POND AREA
1,566 acres

9% of total town area is comprised of freshwater ponds and lakes

69
PONDS

12
10+ Acre
Ponds

21
Named
Ponds

25
Average
Pond Size
ACRES

35
Average
Pond Depth
FEET

5
Fish Stocked
Ponds

10
Ponds Adjacent to
Cranberry Bogs

7
Ponds that Cross
Town Boundaries

4
Ponds with
Public Access

6
State Listed
Great Ponds

14%
Impervious Surfaces
in Pond 300ft Buffer

0
Ponds with Coastal
Plain Pondshores

23
Ponds with Rare
Species Habitat

Pond Monitoring

Of the town's 69 ponds, 4 have three consecutive years of recent monitoring data and only 22% of all the ponds have available monitoring data. The data record for this monitoring spans 19 years with an average of 0.4 sampling event at each monitored pond per year.

15
Ponds Monitored

4
Ponds with 3 Consecutive
Years of Recent Data
(2016-2021)

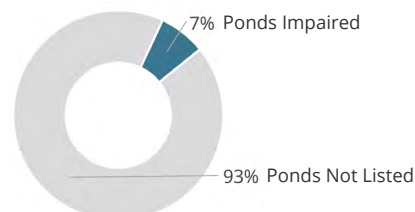
Water Quality Impairments

A lack of consistent and available monitoring data for all ponds means that we may be underestimating threats to waterbody health.

23
Harmful Algal Bloom
Advisories Since 2017
(DPH Reported)

5
Ponds listed on MassDEP's Draft
2022 Integrated List of Waters

3
Freshwater Bathing
Beaches with Sampling
Failures for Fecal Coliform
in 2022



Top 5 Largest Ponds

POND	AREA
1. Mashpee-Wakeby Pond	735.9 acres
2. Johns Pond	336.7 acres
3. Ashumet Pond	220.2 acres
4. Santuit Pond	175.4 acres
5. Peters Pond	135.0 acres

Top 5 Deepest Ponds

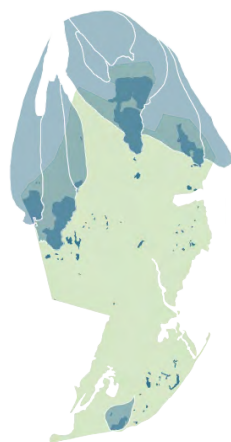
POND	DEPTH
1. Ashumet Pond	84 ft.
2. Jim Pond	65 ft.
3. Witch Pond	65 ft.
4. Peters Pond	57 ft.
5. Pimlico Pond	25 ft.

Mashpee Ponds Profile

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Pond Watersheds

The land area that contributes to freshwater ponds and lakes is referred to as a pond watershed. Relatively few pond watersheds have been delineated across the Cape. Land area within pond watersheds is much larger than the water bodies themselves. In Mashpee, **24%** of the town's total land area is within a delineated pond watershed.

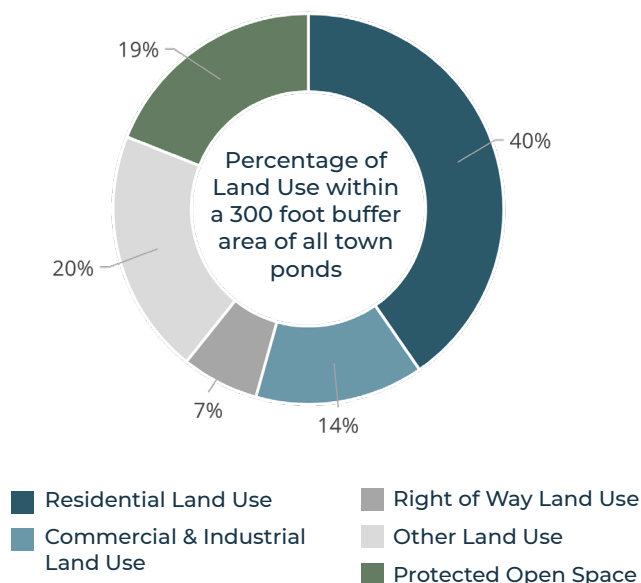


■ Freshwater Ponds
■ Pond Watershed Area

Some contributing pond watershed areas also extend beyond town boundaries and include additional acreage in neighboring towns.

Land Use in Pond Buffer Area

Understanding the way that land is used around our freshwater ponds contributes to a better understanding of potential pond impacts, stressors, and viable strategies to protect or restore pond health. **1,441** acres (or **9%**) of the town's total land area is within 300 feet of a freshwater pond.



Documented Town Reports and Actions

0 

Town Specific Freshwater Reports

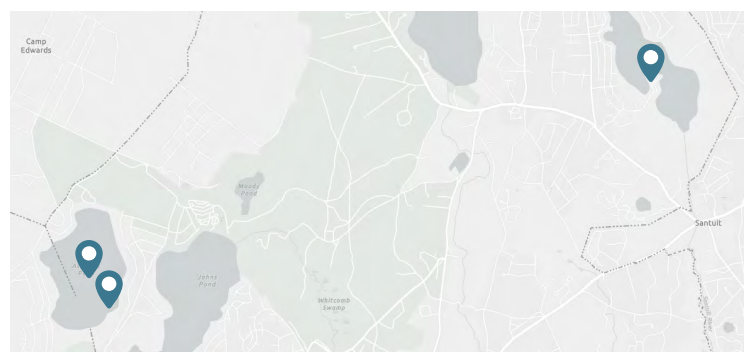
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Pond Specific Freshwater Reports

Local Pond Organizations





Independent groups, organizing around a single or multiple ponds, voluntarily conduct educational and advocacy efforts and collect water quality monitoring data, which is not always available or sufficient for regional analysis.

Save Mashpee Wakeby Pond Alliance
Friends of Santuit Pond
Friends of Santuit Pond and Santuit Pond Estates Association
Friends of Ashumet Pond



Pond Strategies Implemented

Updates and additional projects will be added as information becomes available. Review project details at: cccom.link/pond-restoration-projects

-  Town Wide, Buffer Zone Expansion
-  Santuit Pond, Circulation
-  Ashumet Pond, Alum Treatment
-  Ashumet Pond, Permeable Reactive Barrier