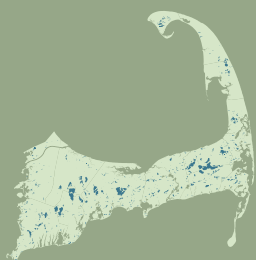


Dennis Ponds Profile

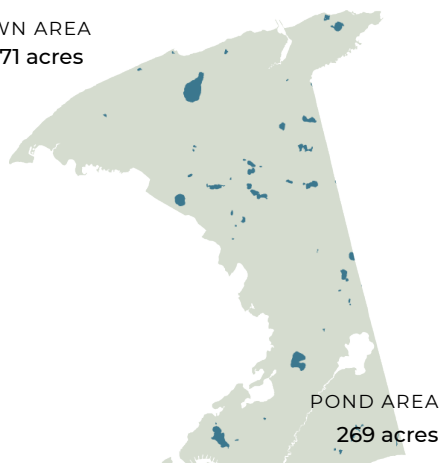
A RESOURCE OF THE CAPE COD FRESHWATER INITIATIVE



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.

Dennis

TOWN AREA
13,671 acres



2% of total town area is comprised of freshwater ponds and lakes

52
PONDS

11
10+ Acre
Ponds

24
Named
Ponds

5
ACRES
Average
Pond Size

21
FEET
Average
Pond Depth

1
Fish Stocked
Ponds

2
Ponds Adjacent to
Cranberry Bogs

3
Ponds that Cross
Town Boundaries

10
Ponds with
Public Access

9
State Listed
Great Ponds

13%
Impervious Surfaces
in Pond 300ft Buffer

10
Ponds with Coastal
Plain Pondshores

22
Ponds with Rare
Species Habitat

Top 5 Largest Ponds

POND	AREA
1. Scargo Lake	61.0 acres
2. Fresh Pond	31.7 acres
3. Kelleys Pond	31.6 acres
4. Pine Pond	24.2 acres
5. Flax Pond	16.6 acres

Top 5 Deepest Ponds

POND	DEPTH
1. Scargo Lake	45 ft.
2. Kelleys Pond	30 ft.
3. Flax Pond	29 ft.
4. Eagle Pond	24 ft.
5. Northern Simmons Pond	21.3 ft.

Pond Monitoring

Of the town's 52 ponds, 0 have three consecutive years of recent monitoring data and only 17% of all the ponds have available monitoring data. The data record for this monitoring spans 16 years with an average of 1.1 sampling events at each monitored pond per year.

9
Ponds Monitored

0
Ponds with 3 Consecutive
Years of Recent Data
(2016-2021)

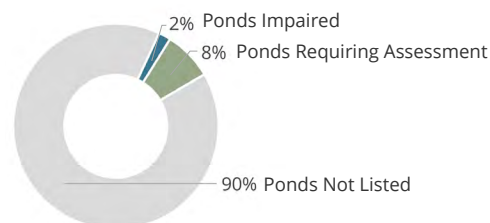
Water Quality Impairments

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

6
Harmful Algal Bloom
Advisories Since 2017
(DPH Reported)

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

1
Freshwater Bathing
Beaches with Sampling
Failures for Fecal Coliform
in 2022



Dennis Ponds Profile

A RESOURCE OF THE CAPE COD FRESHWATER INITIATIVE

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 Dennis, **7%** of the town's total land area is within a delineated pond watershed.

13

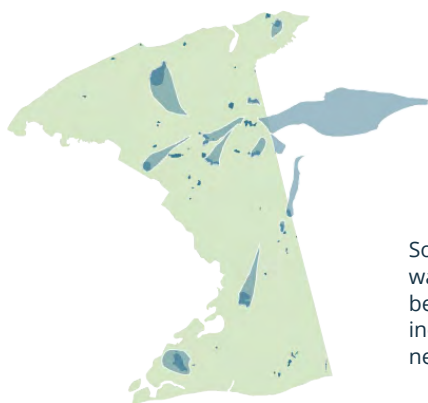
Pond Watersheds
Delineated

941

Acres of Pond
Watershed Area

3

Pond Watersheds
that Cross
Town Boundaries



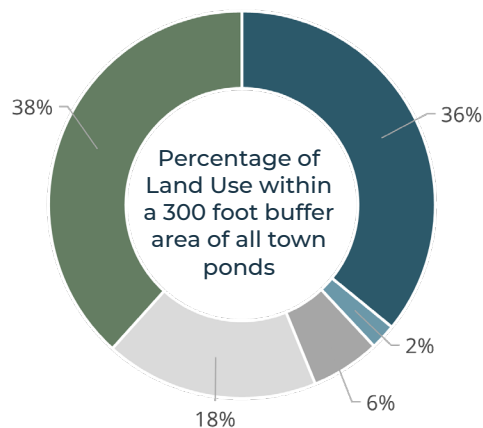
Freshwater
Ponds

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. **839** acres (or **6%**) of the town's total land area is within 300 feet of a freshwater pond.



Residential Land Use
Commercial & Industrial
Land Use

Right of Way Land Use
Other Land Use
Protected Open Space

Documented Town Reports and Actions

2

Town Specific
Freshwater Reports

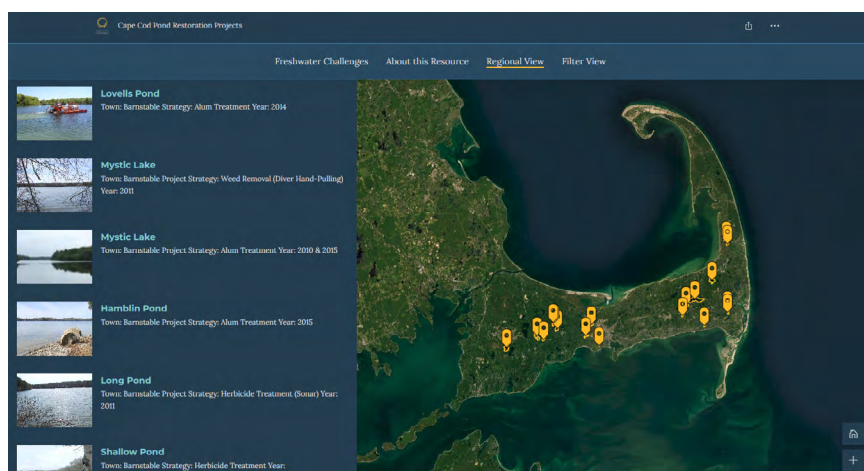
0

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.

There are **0** local pond organizations in the regional dataset.



Pond Strategies Implemented

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

There are **0** implemented pond strategies in the regional dataset.