TOWN OF BARNSTABLE Open Space and Recreation Plan 2018 – MAPS

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- State Approved Zone II
- Zone I (400' buffer around well)
- Mass GIS / DEP Wetlands
- ----- Towns
- ---- Coast
- Interstate
- U.S. Highway
- State Route
- ----- Non-numbered route
- → Railroad
- Ferry Routes
- S Water

TOWN OF BARNSTABLE MASSACHUSETTS

Open Space & Recreation Plan 2018 Update

Regional Context Map 1



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GEOGRAPHIC INFORMATION



Soils Key	Source: soils data obtained from MassGIS in 2001. The data is based on the United States Department of
AmA - Amostown sandy loam	Agriculture & National Cooperative Soil Survey soil survey
BaB - Barnstable sandy loam	of Barnstable County, Massachusetts, conducted in 1983. Information and explanations about the soil data displayed
BaC - Barnstable sandy loam	on this map may be found in the USDA Soil Conservation
BcC - Barnstable-Plymouth complex	Service publication: Soil Survey of Barnstable County, Massachusetts, 1993.
BdB - Barnstable-Plymouth complex	
BdC - Barnstable-Plymouth complex	
BfC - Barnstable-Plymouth-Nantucket complex	
BgC - Barnstable-Plymouth-Nantucket complex	
BlB - Belgrade silt loam	
BmA - Berryland mucky loamy coarse sand	
BoA - Boxford silt loam	
BoB - Boxford silt loam	
CcA - Carver loamy coarse sand CcB - Carver loamy coarse sand	
CdA - Carver coarse sand	
CdB - Carver coarse sand	
CdC - Carver coarse sand	
CdD - Carver coarse sand	
CoB - Carver-Hinesburg loamy coarse sands	
CoC - Carver-Hinesburg loamy coarse sands	
DeA - Deerfield loamy fine sand	
EaA - Eastchop loamy fine sand	
EaB - Eastchop loamy fine sand	
EaC - Eastchop loamy fine sand	
EnA - Enfield silt loam	
EnB - Enfield silt loam	
EnC - Enfield silt loam	
FmA - Freetown mucky peat	
FsA - Freetown & Swansea mucks	
FtA - Freetown coarse sand	
HeA - Hinckley sandy loam	
HeB - Hinckley sandy loam	 Fire District / Village Lines
HkC - Hinckley gravelly sandy loam	
HkD - Hinckley gravelly sandy loam	— Major Roads
HnA - Hinesburg sandy loam	Tour Boundary
HnB - Hinesburg sandy loam HnC - Hinesburg sandy loam	Town Boundary
HoC - Hooksan sand	Water Bodies
HoD - Hooksan sand	
HxC - Hooksan-Dune land complex	
ImA - Ipswich, Pawcatuck & Matunuck peats	TOWN OF
MaA - Maybid silt loam	
MeA - Merrimac sandy loam	BARNSTABLE
MeB - Merrimac sandy loam	
MeC - Merrimac sandy loam	MASSACHUSETTS
MeD - Merrimac sandy loam	
NaB - Nantucket sandy loam	Open Space & Recreation Plan
NaC - Nantucket sandy loam	2018 Update
NsB - Nantucket sandy loam	2018 Opuate
NsC - Nantucket sandy loam	
PeA - Pipestone loamy coarse sand	Soils
PmB - Plymouth loamy coarse sand	
PmC - Plymouth loamy coarse sand PmD - Plymouth loamy coarse sand	
PsB - Plymouth loamy coarse sand	Map 4A
PsC - Plymouth loamy coarse sand	
PsD - Plymouth loamy coarse sand	OF THE TOWN N
PvC - Plymouth-Barnstable complex	A A A A A A A A A A A A A A A A A A A
PvD - Plymouth-Barnstable complex	
PxD - Plymouth-Barnstable complex	MASS.
PyD - Plymouth-Barnstable-Nantucket complex	ATED MANAL
ScA - Scitico silt loam	
SdA - Sudbury fine sandy loam	Miles
Bh - Beaches	0 0.2250.45 0.9 1.35 1.8
Dm - Dumps, landfill	soils.mxd 2-12-18 cse
Dn - Dune land	
Pg - Pits, sand & gravel	
Ud - Udipsamments, smoothed	TOWN OF BARNSTABLE
Ur - Urban land	GEOGRAPHIC INFORMATION
W-Water	SYSTEMS UNIT
WS - Water	



af - Artificial Fill

Locally derived sand, gravel, and boulders.

cb - Cranberry Bog

Freshwater marsh or swamp deposits capped with a top dressing of sand.

Qd - Dune Deposits

Mostly sand derived from beach deposits, deposited by wind

Qf - Foredune Deposits

A ridge of wind deposited sand parallel to the shore.

Qbd - Beach & Dune Deposits

Wind deposited sand in isolated dunes and beach deposits of sand, pebbles, and small boulders.

Qb - Beach Deposits

Mostly sand with some gravel and widely scattered boulders, derived from glacial deposits by wave erosion, transported along the shore and deposited above sea level by waves

Qbs - Storm Beach Deposits

Sand to small boulders in the bottom of storm sluices and as overwash fans. The sluice on the east end of Sandy Neck was probaly cut by a major northeast storm.

Qls - Lakeshore Deposits

Formed along the shores of ponds and lakes, consists of beaches of well sorted sand and gravel with lag deposits of cobble from the wave winnowing of glacial deposits.

Qs - Marsh & Swamp Deposits

Mostly decaying marine marsh plants mixed varying amounts of sand, silt, and clay. Underlain by glacial, marine, or freshwater deposits, capped by live marine marsh plants.

Qvf - Valley Floor Deposits

Sediments deposited in the floors of valleys (furrows) cut into the outwash plains.

Qld - Delta Deposits

Gravelly sand and pebble with some silt and clay. Deposits were the result of a river system emptying into a proglacial lake which occupied the current area of Cape Cod Bay.

Ql2 - Glacial Lake Deposits

Deposits associated with the proglacial lake in Cape Cod Bay. Mostly a discontinuous veneer of clay and silt over ice-contact deposits composed of gravelly sand, gravel, till, and

Qhw - Harwich Outwash Plain

Mostly gravelly sand, north of the Sandwich moraine ice-contact deposits of the outwash plain include till, silt, clay, and large boulders.

Qsm - Sandwich Moraine Deposits

A veneer of sandy to silty till from 3 - 25 ft. thick underlain by stratified sand and gravel.

Qmp - Mashpee Pitted-Plain

Deposits Mostly gravelly sand with some pebble and small boulders Qbo - Barnstable Outwash Plain

Deposits Mostly gravelly sand with some pebble and small boulders. North part of the deposits include some till, clayey silt, and large boulders. Some areas may be underlain by silt and clay.

Qk - Kame Deposits

Mostly gravelly sand with some pebble and small boulder gravel, includes some scattered boulders.

Source: Geologic data was digitized from 1:24,000 scale 1974 & 1975 USGS Geologic Quadrangle Maps of Hyannis, Cotuit, &

- Fire District / Village Lines
- Major Roads
- _---Town Boundary
- Water Bodies

TOWN OF BARNSTABLE **MASSACHUSETTS**

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Geology Map 4B



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Beach 7a Dowses 7b Long Beach 8c Keys Beach

buses) River to East) Scudder Bay)











Special Flood Hazard Areas (SFHAs) Subject to Inundation by the 1% Annual Chance Flood



Zone AE - Base Flood Elevations determined.

Zone AO - Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined.



Zone VE - Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones AE, AO, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

Other Flood Areas

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.



Coastal Barrier Resource System (CBRS) Areas

Otherwise Protected Areas (OPAs)

NOTE: The flood zones shown here are from the July 16, 2014 FEMA Flood Insurance Rate Maps (FIRMs). These maps represent a subset of the information shown on the actual FIRM maps.

The original FIRM map scale is 1"=500'. Enlargements beyond that scale may not meet established map accuracy standards.

THIS MAP IS FOR PLANNING PURPOSES ONLY. FOR SITE SPECIFIC FLOOD HAZARD DETERMINATIONS, CONSULT THE OFFICIAL FEMA FIRM MAPS.

TOWN OF BARNSTABLE MASSACHUSETTS

Open Space and Recreation Plan 2018 Update

FEMA Flood Zones Map 6D



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* NHESP Certified Vernal Pools Shellfish Relay Areas Anadromous Fish Runs Shellfish Suitability Areas American Oyster Bay Scallop Blue Mussel European Oyster 124 Ocean Quahog Quahog XX Razor Clam Sea Scallop Soft-shelled Clam Surf Clam

Shellfish Habitat Ratings*

- Not Rated
- Ratings 1-5
- Ratings 6-10
- Major Roads
- Town Boundary
- Water Bodies

TOWN OF BARNSTABLE MASSACHUSETTS

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Fisheries & Vernal Pools Map 8









Legend County Farm Chapter 61 Chapter 61A Chapter 61B Fire District / Village Lines - -Major Roads Town Boundary ____ Shoreline Water Bodies **TOWN OF** BARNSTABLE MASSACHUSETTS Open Space and Recreation Plan 2018 Update Private Agriculture & Recreation Map 9C 0 0.25 0.5 1 1.5 chapter61.mxd 2-12-2018 J.A.B.







Town Owned Ways to Water by Access Type Beach Boat Ramp Boat Ramp / Dock Bulkhead Dock • Landing Marina • • Way To Water Major Roads Town Boundary Water Bodies **TOWN OF** BARNSTABLE MASSACHUSETTS Open Space and Recreation Plan 2018 Update Ways To Water Map 11 0 0.2250.45 0.9 1.35 1.8 ways2water.mxd 2-12-18 cse TOWN OF BARNSTABLE **GEOGRAPHIC INFORMATION** SYSTEMS UNIT

