

Total acreage:

12,458 acres

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Acreage by town:

Barnstable 9,695 acres

Mashpee 85 acres

Sandwich 2,679 acres

Total built parcels: 6,744 parcels

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Built parcels by town:

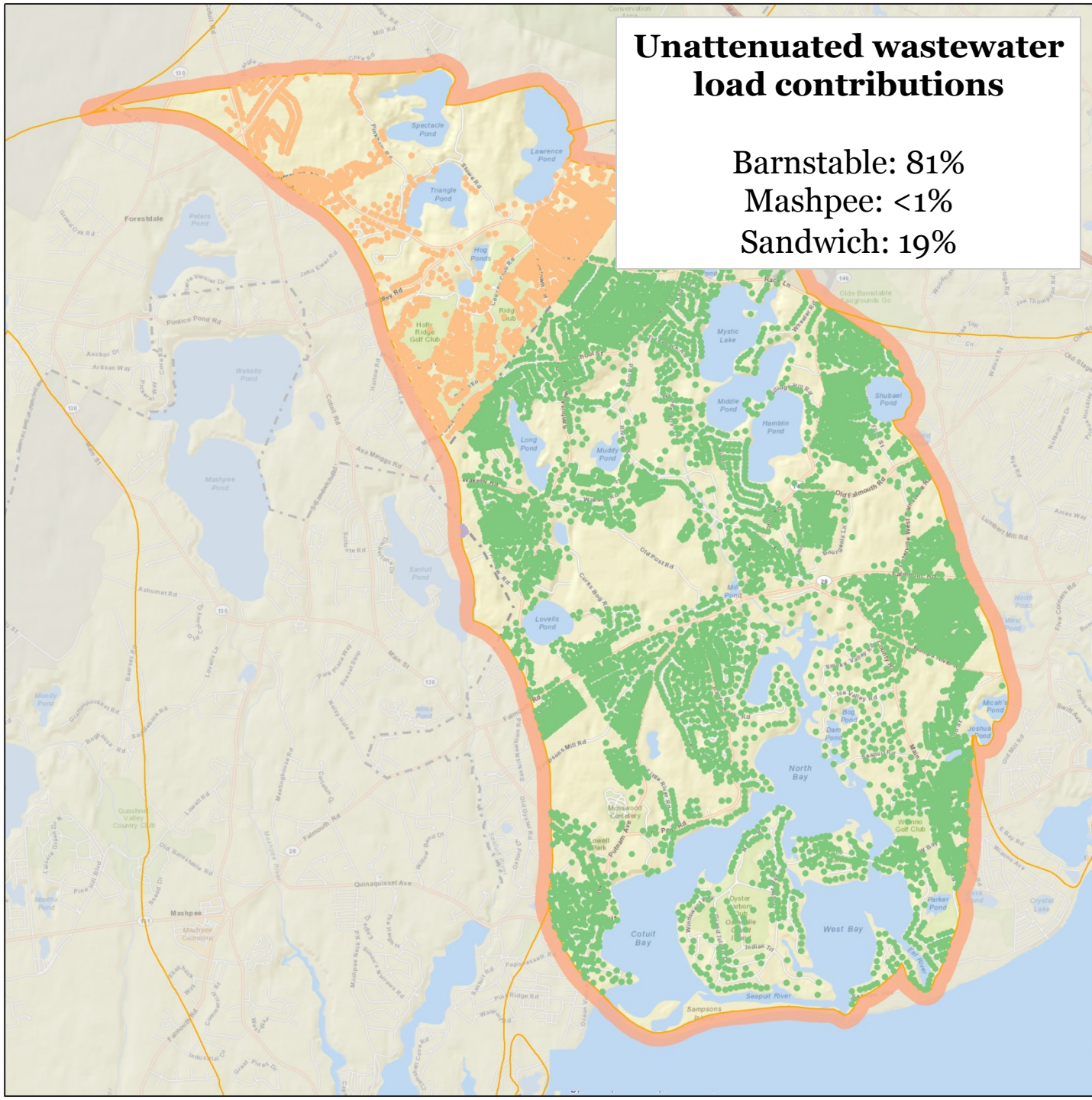
Barnstable 5,480 parcels (green)

Mashpee 4 parcels (purple)

Sandwich 1260 parcels (orange)

Unattenuated wastewater load contributions

Barnstable: 81%
Mashpee: <1%
Sandwich: 19%



Site Scale

Neighborhood

Watershed

Cape-Wide

Prevention

- Remediation of Existing Development
- Fertilizer Management
- Transfer of Development Rights
- Stormwater BMPs
- Compact Development

Reduction

- Title 5 Standard Title 5 Systems
- Conventional Treatment
- I/A Title 5 Systems
- Cluster & Satellite Treatment Systems
- Advanced Treatment
- I/A Enhanced Systems
- Wastewater Collection Systems
- Effluent Disposal Systems
- Toilets: Urine Diverting
- Constructed Wetlands: Surface Flow
- Toilets: Composting
- Constructed Wetlands: Subsurface Flow
- Toilets: Packaging
- Stormwater: Bioretention / Soil Media Filters
- Toilets: Incinerating
- Stormwater: Wetlands
- Phytoirrigation
- Eco-Machines & Living Machines

Remediation

- Phytobuffers
- Fertigation Wells
- Permeable Reactive Barrier
- Shellfish and Salt Marsh Habitat Restoration
- Aquaculture/Shellfish Farming
- Inlet / Culvert Widening
- Pond and Estuary Dredging
- Constr. Wetlands - Groundwater, Salt Water, Floating



Permit likely required



Permit may be required, depending on location

Acronyms:

CWA – Clean Water Act

GWDP – Groundwater Discharge Permit

WMA – Water Management Act

I & A – Innovative and Alternative

WPA – Wetlands Protection Act

MEPA – Massachusetts Environmental Policy Act

MADOT – Massachusetts Department of Transportation

Acronyms:

MEPA – Massachusetts Environmental Policy Act

CCC – Cape Cod Commission

DEP – MA Department of Environmental Protection

DRI – Development of Regional Impact

EIR – Environmental Impact Report

ENF – Environmental Notification Form

DEIR – Draft Environmental Impact Report

FEIR – Final Environmental Impact Report

TWMP – Targeted Watershed Management Plan

SRF – State Revolving Fund

How do you implement adaptive management?

