

**Total acreage:**

4,751 acres

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**Acreage by town:**

Eastham 2,804 acres

Orleans 1,947 acres

**Total built parcels:** 2,768 parcels

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**Built parcels by town:**

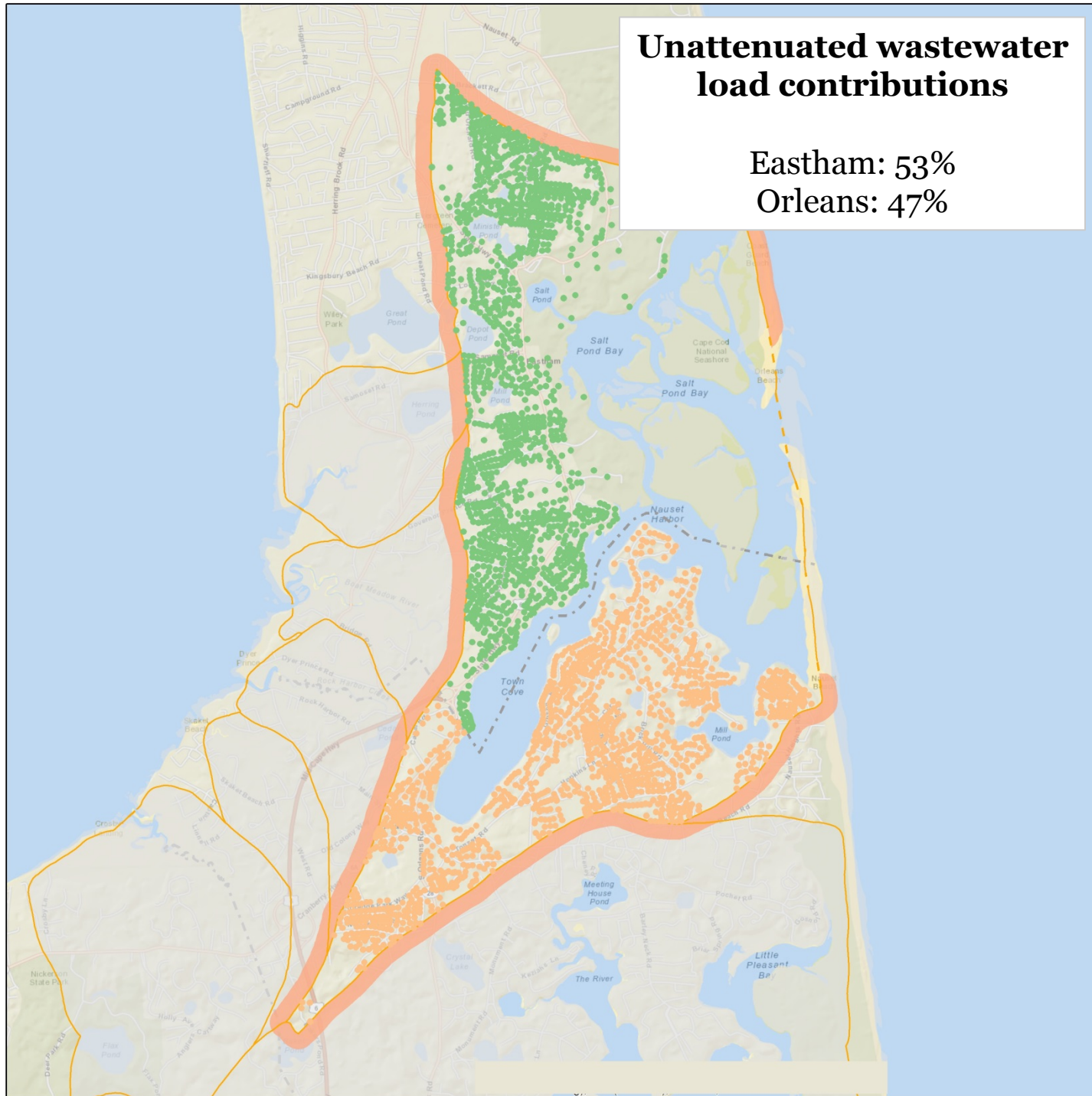
Eastham 1,392 parcels (green)

Orleans 1,376 parcels (orange)

# Unattenuated wastewater load contributions

Eastham: 53%

Orleans: 47%



# Site Scale

# Neighborhood

# Watershed

# Cape-Wide

Prevention

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

Reduction

- 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 – Wellhead Protection Area

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?

