



The Problem

Description of the problem

- **MEP TECHNICAL REPORT STATUS:** Status
- **TMDL STATUS:** Status
- **TOTAL WASTEWATER FLOW:** XX (million gal per year)
- **TREATED WW FLOW:** XX MGY
- **SEPTIC FLOW:** XX MGY
- **UNATTENUATED TOTAL NITROGEN LOAD (MEP):** XX
- **ATTENUATED TOTAL NITROGEN LOAD (MEP):** XX
- **SOURCES OF CONTROLLABLE NITROGEN (MEP):**
 - XX% Septic Systems
 - XX% Lawn Fertilizer
 - XX% Stormwater from Impervious Surfaces
 - XX% Wastewater Treatment Facilities

CONTRIBUTING TOWNS

- **CONTRIBUTING TOWN1**
- **CONTRIBUTING TOWN2**

THE MEP RESTORATION SCENARIO:

- **WATERSHED TOTAL NITROGEN REDUCTION TARGET:** XX%
- **WATERSHED SEPTIC REDUCTION TARGET:** XX%
(The scenario represents the aggregated sub-

embayment percent removal targets from the MEP technical report)

ESTUARY

- **EMBAYMENT AREA:** XX
- **EMBAYMENT VOLUME:** XX
- **2012 INTEGRATED LIST STATUS:**
 - Status by waterbody
 - Status by waterbody
 - Status by waterbody
 - www.mass.gov/eea/docs/dep/water/resources/07v5/12list2.pdf

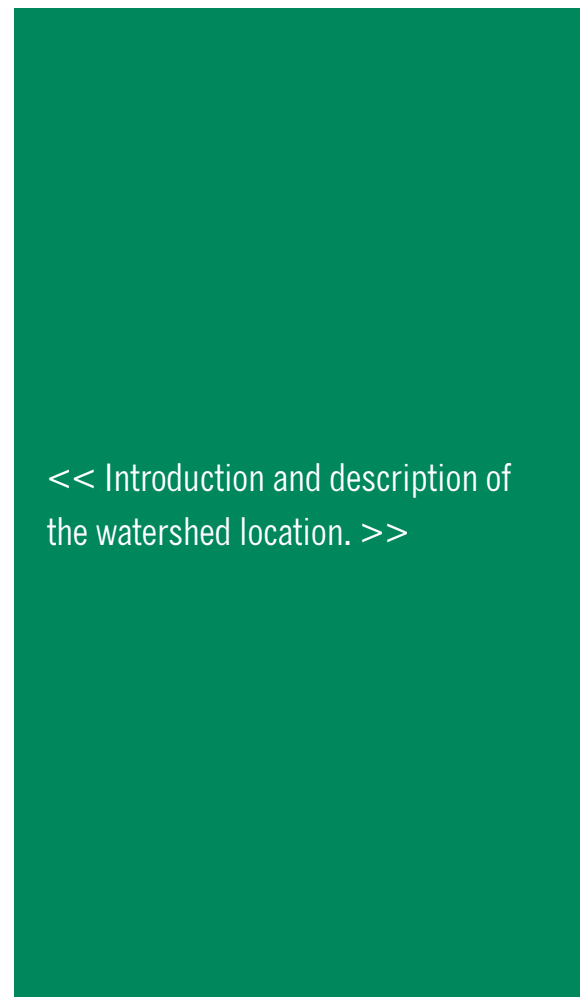
WATERSHED

- **ACRES:** XX
- **PARCELS:** XX
- **% DEVELOPED RESIDENTIAL PARCELS:** XX%
- **PARCEL DENSITY:** XX acres per parcel
- **WASTEWATER TREATMENT FACILITIES:** XX
 - Treatment Facility Name
 - Treatment Facility Name

Freshwater Sources

PONDS

- **IDENTIFIED SURFACE WATERS:** XX



<< Introduction and description of the watershed location. >>

- NUMBER OF NAMED FRESHWATER PONDS: XX
- PONDS WITH PRELIMINARY TROPHIC CHARACTERIZATION: XX
- 2012 INTEGRATED LIST STATUS: XX
- DISCUSSION:

STREAMS

- SIGNIFICANT FRESHWATER STREAM OUTLETS: 6
- Stream1:
 - Average Flow: XX cubic meters per day (m3/d)
 - Average Nitrate Concentrations: XX milligrams per liter (mg/L)
- Stream2:
 - Average Flow: XX m3/d
 - Average Nitrate Concentrations: XX mg/L
- Stream3:
 - Average Flow: XX m3/d
 - Average Nitrate Concentrations: XX mg/L
- DISCUSSION:

DRINKING WATER SOURCES

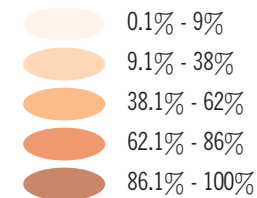
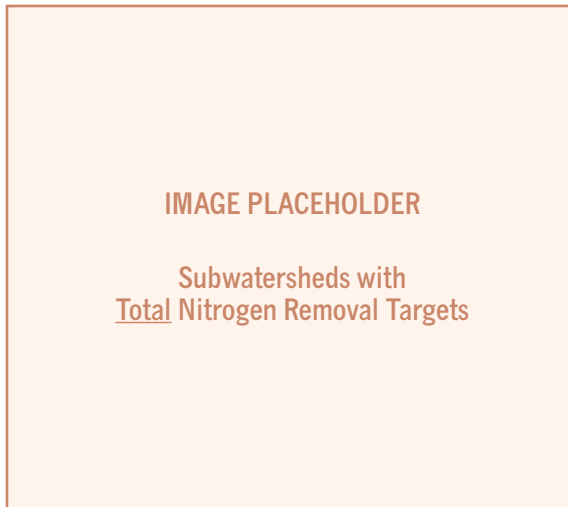
- WATER DISTRICTS: XX
 - Water District Name
 - Water District Name
- GRAVEL PACKED WELLS: XX
 - X have nitrate concentrations between 0 and 0.5 mg/L
 - X have nitrate concentrations between 0.5 and 1 mg/L
 - X have nitrate concentrations between 2.5 and 5 mg/L
 - X have no nitrate concentration data
- SMALL VOLUME WELLS: XX
- DISCUSSION:

Degree of Impairment and Areas of Need

Discussion on nitrogen reduction targets.

ECOLOGICAL CHARACTERISTICS AND WATER QUALITY

- OVERALL ECOLOGIC CONDITION: XX
- Waterbody Quality Status
- Waterbody Quality Status
- SENTINEL STATION:
 - Total Nitrogen Concentration Threshold: XX mg/L
 - Total Nitrogen Concentration Existing: XX mg/L
(As reported at the MEP sentinel water-quality monitoring station)



Subwatersheds with Total Nitrogen Removal Targets

Figure 4-1 XX

Subwatersheds with Septic Nitrogen Removal Targets

Figure 4-2 XX

Nitrogen Management Approaches

Description of scenario planning approaches.

HYBRID APPROACH

Description of approach taken in scenario development.

TRADITIONAL APPROACH

Description of approach taken in scenario development.

NON-TRADITIONAL APPROACH

Description of approach taken in scenario development.

LOCAL PROGRESS

TOWN1

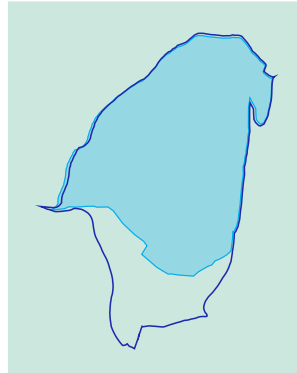
Description of local efforts.

TOWN2

Description of local efforts.

Potential Watershed Scenarios

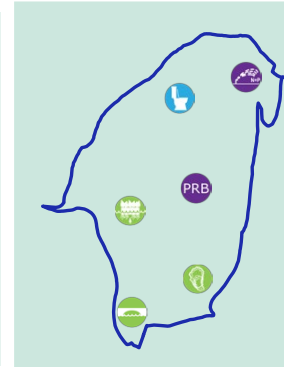
SCENARIO:
Centralized
Disposal In Watershed



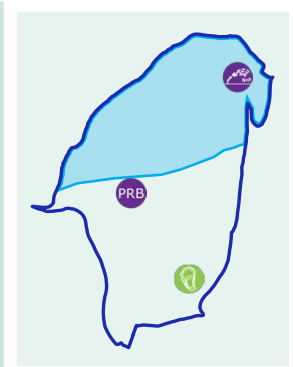
SCENARIO:
Centralized
Disposal Out of Watershed



SCENARIO:
Non-Traditional



SCENARIO:
Hybrid



Credits

- Stormwater
- Fertilizer

Scenario Details

- Scenario Detail - i.e. number of properties sewered
- Scenario Detail - i.e. flow collected
- Scenario Detail- i.e. acres of aquaculture
- Scenario Detail- i.e. linear feet of PRB
- Scenario Detail- i.e. number of eco-toilets
- Scenario Detail- i.e. cubic feet of constructed wetlands

Cost

- Collection
- Transport
- Treatment & Disposal
- Operations and Maintenance
- Annual

	SCENARIO: Centralized Disposal In Watershed	SCENARIO: Centralized Disposal Out of Watershed	SCENARIO: Non-Traditional	SCENARIO: Hybrid
Credits				
Stormwater				
Fertilizer				
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