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/07v5/12list12.pdf](http://www.mass.gov/eea/docs/dep/water/resources/07v5/12list12.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
WATERSHED REPORT: Watershed Name

- 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.

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.
**WATERSHED REPORT: Watershed Name**

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### Potential Watershed Scenarios

#### 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

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**SCENARIO:**
- **Centralized Disposal In Watershed**
- **Centralized Disposal Out of Watershed**
- **Non-Traditional**
- **Hybrid**

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Sub Region