GRRIP II Watershed Analysis for Taunton, MA.

Estimates of Land Use, Impervious Surface and
Annual Nonpoint Source Pollution Loads

Watershed 2

2003 Land Use Types

- Crop Land
- Pasture
- Forest
- Non-Forested Wetland
- Mining
- Open Land
- Participation Rec.
- Spectator Rec.
- Water-based Rec.
- Multi-Fam. Res.
- High Density Res.
- Medium Dens. Res
- Low Dens. Res
- Salt Water Wetland
- Commercial
- Industrial
- Urban Open
- Transportation
- Waste Disposal
- Water
- Woody Perennial (Includes Cranberry Bogs and Nurseries)

Land Use Allocation 199.2 acres

Land Use Area in Acres is 199.2
Impervious Area is 17.3 Acres
Percentage of Imperviousness = 8.7%
Avg Annual Nitrogen Load = 832.7 pounds
Avg Annual Phosphorus Load = 113.5 pounds
Avg Annual Suspended Solids = 39515.8 pounds

North Walker St. Extension 1

North Walker St. Extension 2

North Walker St. Extension 3

North Walker St. Extension 4

North Walker St. Extension- walled in stream channel, narrow and in ill repair. Streambed dry upon observation, flowed intermittently to regularly in the past. Drainage consists of a paved, covered swale from the road, overlaying a 3' corrugated steel pipe in a stone headwall. The pipe is rotted and rusted in spots. A newer 2' corrugated steel pipe is located to the right of the 3' pipe and elevated 1' higher in the headwall. The 2' pipe appears to be completely blocked - no daylight. The opposite side of the street has similar structures and appears to flow from a densely vegetated wetland around the old streambed, under Route 44, through forested wetland and eventually to the Three Mile River.

- Drainage System
- Potential Vernal Pools
- Certified Vernal Pool
- Public Water Supply
- Public Beach
- Shellfish Beds
- Rarebird_noaa
- Rarefish_noaa
- Rarecrustacean_noaa
- Rarereptile_noaa
- Rarebivalve_noaa
- Intermittent Wellhead Protect
- Cold Water Fisheries
- Anadromous Fish Run
- Critical Area after Storm Event
- Wetlands
- Solid Waste Facility
- Estimated and Priority Habitats
- ACEC
- Zone 2
- Zone B
- Rivers and Streams
- Lakes & Ponds
- Road Island Towns
- Other MA Towns
- Town Boundary
- Ocean
- Transmission Lines
- Railroad

Roads (Mass Hwy Functional Classes)

- Local Rds & Non-Eligible Functional Class Rds (F-0/F-6)
- Interstate (F-1)
- Rural Principal Arterial & Urban Ext(F-2)
- Rural Minor Arterial & Urban Ext (F-3)
- Other Urban Principal Arterial (F-4)
- Urban Minor Arterial or Rural Major Collector
- Urban Collector or Rural Minor Collector (F-5)

1-4

44

Inset of Watershed Location

N

0 700 Feet

The GRRIP II(Geographic Roadway Runoff Inventory Program) is an analysis of roadway drainage facilities located in environmentally sensitive areas on defined Federal Aid Eligible Roads. GRRIP II analyzed towns in the SRPEDD region that fall within the Narragansett and Taunton River Watersheds.
This Watershed Analysis Project further details several of the drainage systems within each of the towns in the Narragansett and the Taunton River Watersheds to show the general health of the contributing watershed from the specified drainage system by extrapolating the area of imperviousness using the Schuler Watershed Metodology and the Watershed Tools Extension developed by Mass GIS.

Map prepared by
SRPEDD
88 Broadway, Taunton MA
August 2004

Watershed Analysis produced using the Watershed Tools Extension developed by Mass GIS.

This map was produced by SRPEDD (Southeastern Regional Planning and Economic Development District) Taunton, MA. Portions of the source digital data may have been supplied by the Massachusetts Executive Office of Environmental Affairs; MassGIS, Colgan Corporation of Newton, MA; ESRI; the Bureau of Transportation Planning & Development, Division of Marine Fisheries, Division of Fisheries & Wildlife, Esperanza Bay Project; USDA Soils Conservation Service; Coastal Zone Management; National Oceanic & Atmospheric Association (NOAA).

The location of feature boundaries shown on this map are approximate and are intended for planning purposes only. This map is not intended for legal, engineering or survey purposes.

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