

GRRIP II Watershed Analysis for Taunton, MA

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

Watershed 1

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

618.5 acres

- WATER (02.7%)
- AGRICULTURE (02.4%)
- OPEN LAND (02.1%)
- WOODS (02.1%)
- RESIDENTIAL (02.1%)
- COMMERCIAL (01.1%)
- INDUSTRIAL (01.1%)
- TRANSPORTATION (00.9%)
- WASTE (00.2%)



Land Use Area in Acres is 618.5

Impervious Area is 44.6 Acres

Percentage of Imperviousness = 7.2%

Avg Annual Nitrogen Load = 2961.3 pounds

Avg Annual Phosphorus Load = 419.4 pounds

Avg Annual Suspended Solids = 100425.3 pounds

Drainage System

- Potential Vernal Pools
- Certified Vernal Pool
- Public Water Supply
- Shellfish Beds
- Rarebird_noon
- Rarefish_noon
- Rarecrustacean_noon
- Rareinvertebrate_noon
- Rareinvertebrate_noon
- Rareinvertebrate_noon
- Intermittent Wetland Protect
- Cold Water Fisheries
- Anadromous Fish Run
- Critical Area after Storm Event
- Wetlands
- Solid Waste Facility

Estimated and Priority Habitats

- ACCEC
- 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 R, B, & Non-Eligible Functional Class Rds (F-07-F)
- Interstates (I-1)
- Rural Principal Arterial & Urban Exd (F-2)
- Rural Minor Arterial & Urban Exd (F-3)
- Other Urban Principal Arterial (F-4)
- Urban Minor Arterial or Rural Major Collector
- Urban Collector or Rural Minor Collector (F-6)

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: Fall River, Barnstable, and Taunton River Watershed. This Watershed Analysis Project further details several of the drainage systems within each of the towns in the Barnstable and Taunton River Watersheds to show the general health of the contributing watershed from the specified drainage system by extrapolating its area of imperviousness using the Scholar Watershed Hydrology 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.

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This map was provided 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 (MassDEA), Commonwealth of Massachusetts, 100, the Bureau of Transportation Planning & Development, Division of Motor Vehicle, Division of Public Safety, Department of Transportation, State Construction Service, Coastal Land Management, National Oceanic & Atmospheric Administration (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 or planning or survey purposes.

The funding for this project was provided by the Federal Highway Administration (FHWA) with Massachusetts Highway Department.



Route 44 at the bridge over Segregansett

Route 44 at the bridge over Segregansett: headwall on the west side of the street is in need of repair. E roading concrete on headwall, exposed rebar, eroding base on the southwest side. Channelization to the river is occurring adjacent to the bridge. Storm drain grates on the road needed cleaning.



Inset of Watershed Location

