

GRRIP II Watershed Analysis for Attleboro, MA

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



South Main St. near railroad bridge

1



South Main St. near railroad bridge

2



South Main St. near railroad bridge

3

Ten Mile River behind RaJack's Plaza on South Main St near the railroad bridge. A lot of stone sloughing from the railroad grade, washing into the river. Some gullying along steep slopes. Three pipes carry stormwater from nearby streets and discharge into the Ten Mile River. One is 3' corrugated metal, the other two are AASHTO M294 plastic corrugated. There is a large sandy outfall near bridge.

Land Use Allocation 261 acres

- Forest (23.5%)
- Water (20.0%)
- Agriculture (20.0%)
- Open Land (26.4%)
- Residential (22.5%)
- Commercial (12.5%)
- Industrial (14.0%)
- Transportation (17.5%)
- Waste (20.0%)

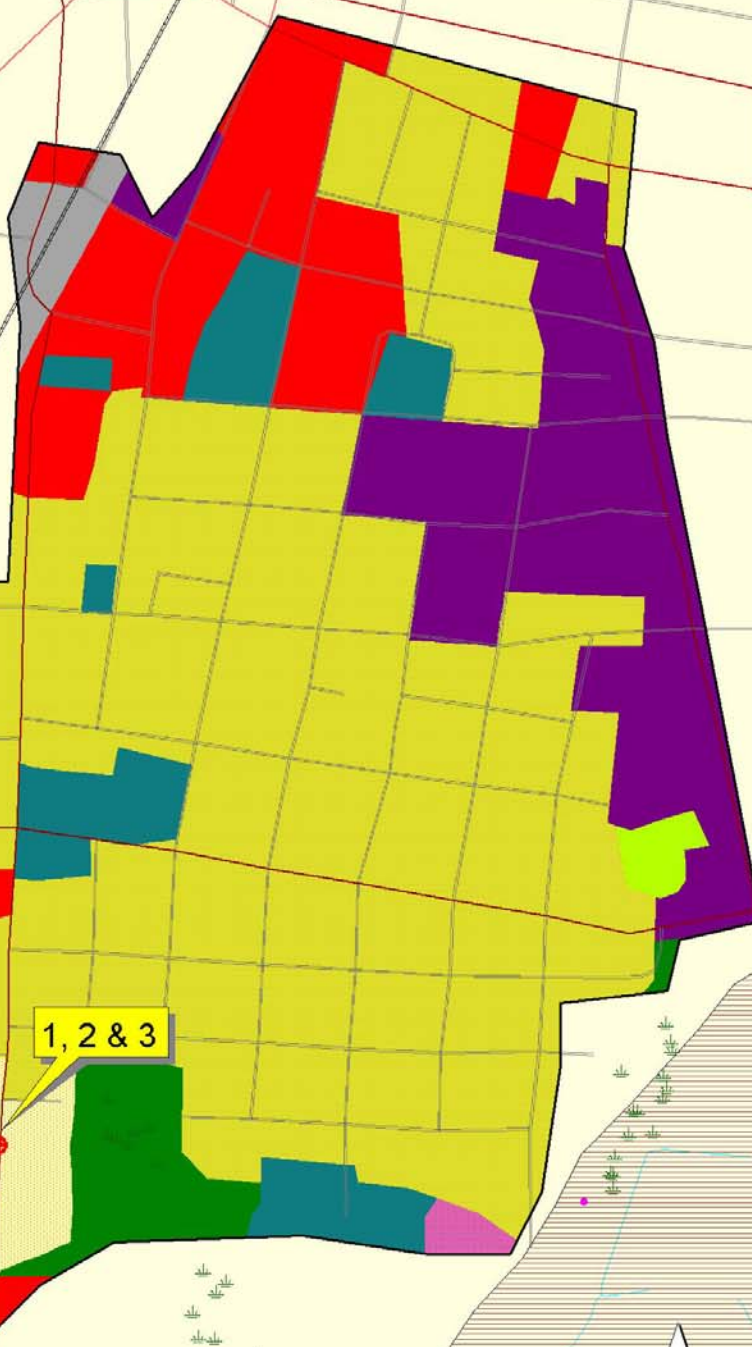
Land Use Area in Acres is 261
 Impervious Area is 144.2 Acres
 Percentage of Imperviousness = 55.3%
 Avg Annual Nitrogen Load = 2784.3 pounds
 Avg Annual Phosphorus Load = 528.8 pounds
 Avg Annual Suspended Solids = 142293.8 pounds

Legend

- Drainage System
- Potential Vernal Pools
- Certified Vernal Pool
- Public Water Supply
- Public Bench
- Shellfish Beds
- Rarefish_noon
- Rarefish_noon
- Rarecrustacean_noon
- Rarereptile_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
- 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 Rte. & Non-Express Functional Class Rte (F-0-F)
- Interstate (F-5)
- Rural Principal Arterial & Urban Ext (F-2)
- Rural Minor Arterial & Urban Rte (F-3)
- Other Urban Principal Arterial (F-6)
- Urban Minor Arterial or Rural Major Collector
- Urban Collector or Rural Minor Collector (F-8)



1, 2 & 3

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)

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 for all 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 its area of imperviousness using the Scholar Watershed Morphology 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 prepared by SRPEDD (Southeastern Regional Planning and Technical Development District) Taunton, MA. Portions of the aerial data used may have been supplied by the Massachusetts Executive Office of Environmental Affairs, Massachusetts Coastal Commission of Taunton, MA, 1000, the Bureau of Transportation Planning & Development, Division of Motor Vehicles, Division of Fisheries & Wildlife, Statewide Planning Office (SPO), State Conservation Service, Coastal Line 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, engineering, or survey purposes.

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SRPEDD

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Massachusetts Geographic Information System

