

GRRIP II Watershed Analysis for Mansfield, 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
 461.7 acres

Forest (49.2%)
 Water-based Rec. (22.1%)
 Spectator Rec. (22.1%)
 Open Land (22.1%)
 Multi-Fam. Res. (22.1%)
 High Density Res. (22.1%)
 Medium Dens. Res. (22.1%)
 Low Dens. Res. (22.1%)
 Salt Water Wetland (22.1%)
 Commercial (22.1%)
 Industrial (22.1%)
 Urban Open (22.1%)
 Transportation (22.1%)
 Waste Disposal (22.1%)
 Water (22.1%)
 Woody Perennial (22.1%)

Land Use Area in Acres is 461.7
 Impervious Area is 65.6 Acres
 Percentage of Imperviousness = 14.2%

Avg Annual Nitrogen Load = 2392.1 pounds
 Avg Annual Phosphorus Load = 325.4 pounds
 Avg Annual Suspended Solids = 85447.1 pounds



The Majority of this Sub-Watershed falls with a Zone 2 Protection Area and is a State Designated ACEC

- ⊕ Drainage System
 - Potential Vernal Pools
 - Certified Vernal Pool
 - Public Water Supply
 - ★ Public Beach
 - ★ Shellfish Beds
 - ★ Rarebird_noon
 - ★ Rarefish_noon
 - ★ Rarecrustacean_noon
 - ★ Rareamphibian_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 Rd. & Non-Eligible Functional Class Rts (F-0/F-1)
 - ~ 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)



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. The Watershed Analysis Project further details several of the drainage systems within each of these towns in the Narragansett and the Taunton River Watersheds to show the general health of the contributing watershed from the specified drainage system by outpouring the area of imperviousness using the Scholar Watershed Methodology 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, Cable Corporation of Taunton, MA, SRP, the Bureau of Transportation Planning & Development, Division of Air and Pollution, Division of Fisheries & Wildlife, Road and Bay Project, USDA - State Conservation Service, Coastal Land Management, Natural Oceans & Parks/Forestry Association (NOFA).

The location of feature boundaries shown on this map are approximate and are provided for planning purposes only. This map is an informational tool and is not intended for planning purposes.

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