

GRRIP II Watershed Analysis for Plainville, MA

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

Watershed 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)

Land Use Allocation

- Forest (24.5%)
- Woody Perennial (22.5%)
- Open Land (20.0%)
- High Density Res. (18.7%)
- Medium Dens. Res. (18.0%)
- Low Dens. Res. (17.2%)
- Commercial (16.0%)
- Industrial (14.0%)
- Transportation (10.0%)
- Water (2.0%)

98.2 acres



Land Use Area in Acres is 98.2

Impervious Area is 23.1 Acres
 Percentage of Imperviousness = 23.5%
 Avg Annual Nitrogen Load = 553.4 pounds
 Avg Annual Phosphorus Load = 79.4 pounds
 Avg Annual Suspended Solids = 24089.8 pounds

Description:

*Site without a photo located at West Bacon (Rte 6) at the Plainville Cemetery. No reveal left to the curbing on the roadway, allowing runoff to go directly into the brook off of the bridge. A cold water fishery is upstream from this site.

The Entire Sub-Watershed is located within a Zone 2 Protection Area.

- 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
 - AGEC
 - 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 or S or Non-Eligible Functional Class R or S (F-0/F-1)
 - Rural Principal Arterial & Urban East (F-2)
 - Rural Minor Arterial & Urban East (F-3)
 - Other Urban Principal Arterial (F-4)
 - Urban Minor Arterial or Rural Major Collector (F-4)
 - Urban Collector or Rural Minor Collector (F-4)

See Description



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. 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 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.

This map was prepared by SRPEDD (Southeastern Regional Planning and Economic Development District), Taunton, MA. Portions of the aerial digital data map have been supplied by the Massachusetts Executive Office of Environmental Affairs, MassGIS, Capital Corporation of Taunton, MA, SRP, the Bureau of Transportation Planning & Development, Division of Motor Vehicle, Division of Fisheries & Wildlife, Statewide Site Project, USGS, Soil Conservation Service, Central Line Management, National Oceanic & Atmospheric Administration (NOAA).

The location of features 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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