

GRRIP II Watershed Analysis for Lakeville, MA

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

2003 Land Use Types

- Crop Land
- Pasture
- Forest
- Non-Forest 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

158.0 acres

- Forest (62.2%)
- Woods (6.2%)
- Agriculture (20.8%)
- Open Land (10.2%)
- Multi-Fam. Res. (1.2%)
- High Density Res. (1.2%)
- Medium Dens. Res. (1.2%)
- Low Dens. Res. (1.2%)
- Commercial (1.2%)
- Industrial (1.2%)
- Urban Open (1.2%)
- Transportation (1.2%)
- Waste Disposal (1.2%)
- Water (1.2%)
- Woody Perennial (1.2%)



Land Use Area in Acres is 158.0

Impervious Area is 4.4 Acres

Percentage of Imperviousness = 2.8%

Avg Annual Nitrogen Load = 706.0 pounds

Avg Annual Phosphorus Load = 83.9 pounds

Avg Annual Suspended Solids = 18596.8 pounds

This entire sub-watershed falls within a Zone B Protection Area

Assawompset Pond

Long Pond



1&2

Site 1 is located at Route 105 at the Long Pond River bridge with 10'-high rip-rap. 150m Road is directed away from the Long Pond side. Long Pond River channel was very heavily vegetated during observation. Cut access road to Assawompset Pond nearby with steep slope, no flow obstruction, goes to good above. These structures are located in a priority habitat and a Zone A area of a public drinking water supply.

Site 2 is located at Route 105 at Parkhurst culvert on east side of Route 105 from the site at Parkhurst Realty Trust to the west. The site at Parkhurst has had chronic invasive vegetation problems over the past few years and has been chemically treated. Water quality at this point is key as the Assawompset Pond is a public drinking water supply.

- Drainage System
 - Potential Vernal Pools
 - Certified Vernal Pool
 - Public Water Supply
 - Public Beach
 - Shellfish Beds
 - Rarebird_noon
 - Rarefish_noon
 - Rarecrustacean_noon
 - Rarebird_noon
 - Rareinvertebrate_noon
 - Rareplant_noon
 - Rarewildlife_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)
 - Rural Principal Arterial & Urban Blvd (F-2)
 - Rural Minor Arterial & Urban Blvd (F-3)
 - Other Urban Principal Arterial (F-4)
 - Urban Major Arterial or Rural Major Collector (F-5)
 - 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 for all within the Narragansett and Taunton River Watersheds.

The 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 WatershedModeler and the WatershedTools Extension developed by Mass GIS.

Map prepared by
SRPEDD
88 Broadway, Taunton MA
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Watershed Analysis produced using the WatershedTools 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, Caliber Corporation of Taunton, MA, SRP, the Bureau of Transportation Planning & Development, Division of Motor Vehicle, Division of Fisheries & Wildlife, Taunton River Project, UDOT, Joint Conservation Service, Coastal Law Management, National Oceanic & Atmospheric Administration (NOAA).

The location of features from this map are approximate and are provided for planning purposes only. This map is not intended for legal, engineering or survey purposes.

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