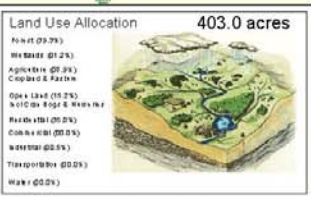


GRRIP II Watershed Analysis for Rehoboth, MA

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

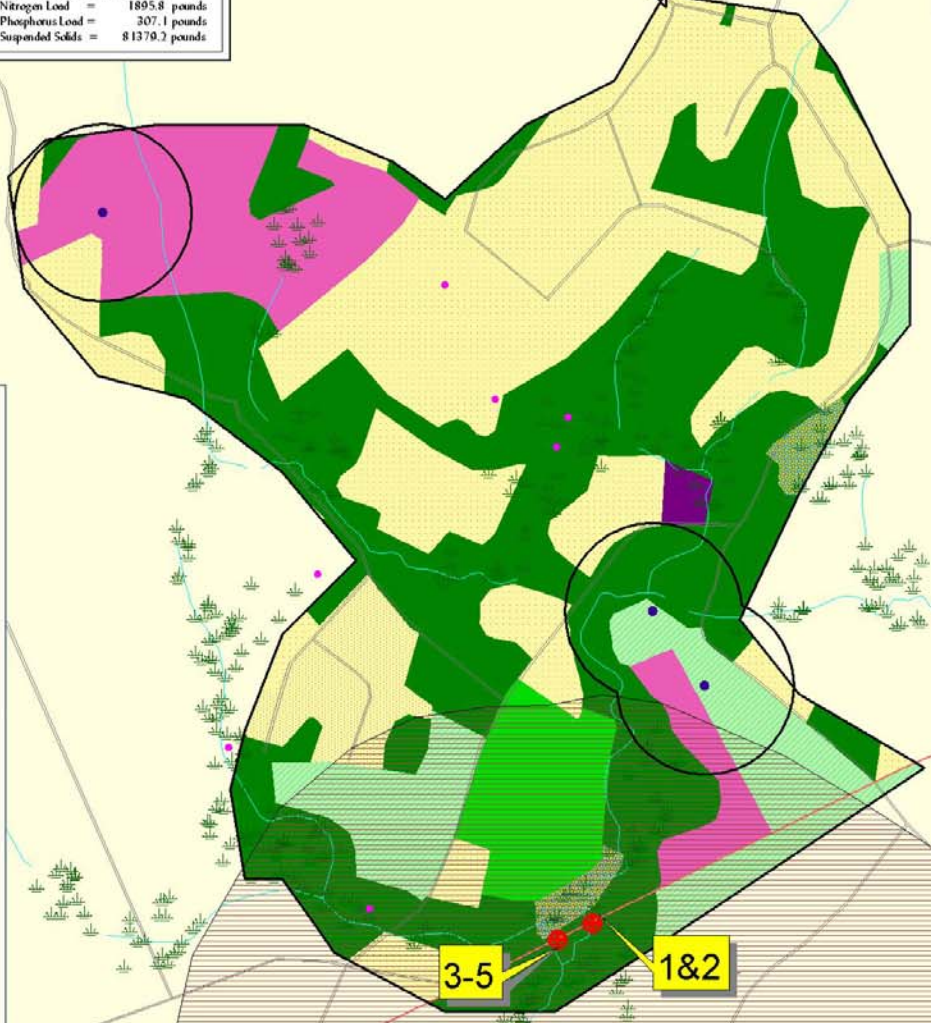
2003 Land Use Types

- 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 Area in Acres is 403.0
 Impervious Area is 18.9 Acres
 Percentage of Imperviousness = 4.7 %
 Avg Annual Nitrogen Load = 1895.8 pounds
 Avg Annual Phosphorus Load = 307.1 pounds
 Avg Annual Suspended Solids = 81379.2 pounds

- Drainage System
 - Potential Vernal Pools
 - Certified Vernal Pools
 - 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 Res (F-0F-6)
 - 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)



Route 44, bridge between Danforth and Broad Streets.



Route 44, bridge between Danforth and Broad Streets.

Route 44, bridge between Danforth and Broad Streets: to the east, a ditch has been cut by storm-water flow around the headwall with evidence of erosion and rising evident. To the west, there is deteriorated concrete flow attenuators at the terminus of the headwall with evidence of erosion and filling. The site is located over the Palmer River in a priority habitat area near a small community water supply/wetland.



Route 44, bridge between Danforth and Broad Streets. East side of Rt. 44.



Route 44, bridge between Danforth and Broad Streets. East side of Rt. 44.



Route 44, bridge between Danforth and Broad Streets. East side of Rt. 44.

Route 44, bridge between Danforth and Broad Streets east side of Route 44, there is a paved trail near the bridge, approx. 50' from the Palmer River. It drains through vegetated understorey. The swale is in good condition. The headwall on the bridge has failing and crumbling concrete. These structures are located adjacent to and over the Palmer River in a priority habitat and near a small community water supply/wetland.

The GRRIP (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 the fall 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 the area of imperviousness using the Scholar WatershedModel and the Watershed Tool Extension developed by M. Jay GIS.

Map prepared by
 SRPEDD
 88 Broadway, Taunton MA
 August 2004

Watershed Analysis produced
 using the Watershed Tools
 Extension developed by
 Mass GIS.

Disclaimer: This report is based on the best available information and is not intended to be used as a basis for legal action. The user assumes all liability for any use of the information contained herein. The user assumes all liability for any use of the information contained herein. The user assumes all liability for any use of the information contained herein.

This map was produced by SRPEDD (Southeastern Regional Planning and Economic Development District), Taunton, MA. Portions of the aerial digital data may have been supplied by the Massachusetts Executive Office of Environmental Affairs (MassDEA), Capital Corporation of Boston, MA, SRPEDD, the Bureau of Transportation Planning & Development, Division of Environmental Services of the Massachusetts Department of Transportation (MassDOT), and the Federal Highway Administration (FHWA). Credit: Center for Watershed Protection, Chant, MD; and the Massachusetts Department of Transportation (MassDOT).

