

GRRIP I Watershed Analysis for Acushnet, MA.

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

- Drainage System
- Potential Vernal Pools
- Certified Vernal Pool
- Public Water Supply
- Public Beach
- Shellfish Beds
- Rarebird_nona
- Rarefish_nona
- Rarecrustacean_nona
- Rareptile_nona
- Rareholvive_nona
- 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**
 - Local Rts & Non-Eligible Functional Class Rds (F-0/F-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 Minor Collector
 - Urban Collector or Rural Minor Collector (F-6)

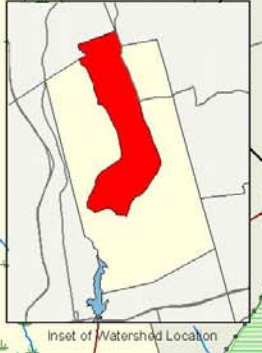
Land Use Allocation 3157.5 acres

Forest (60.2%)
Woods (20.1%)
Open Land (10.1%)
Water-based Rec. (10.1%)
Multi-Fam. Res. (10.1%)
High Density Res. (10.1%)
Medium Density Res. (10.1%)
Low Density Res. (10.1%)
Salt Water Wetland (10.1%)
Commercial (10.1%)
Industrial (10.1%)
Urban Open (10.1%)
Transportation (10.1%)
Waste Disposal (10.1%)
Water (10.1%)
Woody Perennial (10.1%)

Land Use Area in Acres is 3157.5

- Impervious Area is 110 Acres
- Percentage of Imperviousness = 3.5%
- Avg Annual Nitrogen Load = 10526.0 pounds
- Avg Annual Phosphorus Load = 1403.3 pounds
- Avg Annual Suspended Solids = 329346.6 pounds

- 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 Density Res.
 - Low Density Res.
 - Salt Water Wetland
 - Commercial
 - Industrial
 - Urban Open
 - Transportation
 - Waste Disposal
 - Water
 - Woody Perennial



The GRRIP I (Geographic Roadway Runoff Inventory Program) is an analysis of roadway drainage facilities located in environmentally sensitive areas on defined Federal Aid Eligible Roads. GRRIP I analysis was in the SRPEDD report that fall within the Buzzards Bay Watershed. The Watershed Analysis Project further details several of the drainage systems within each of the towns in the Buzzards Bay Watershed to show the general health of the contributing watershed from the specified drainage system by superimposing its area of imperviousness using the Schuler Watershed Methodology and the Watershed Tools Extension developed by Mass GIS.

This drainage system on Main St. shows a well traveled narrow road. There is direct discharge from the road into the stream which discharges into the Acushnet River. The land area surrounding the culvert system is mostly open space with residential development on Main Street.



This drainage system shows a Cold Water Fishery located on Leonard St. Both the road and the drainage facility were in pristine condition.



This map was prepared by SRPEDD (Southwest Regional Planning and Economic Development District), Taunton, MA. Portions of the source digital data were been modified by SRPEDD's Director of Environmental Affairs, MassGIS, County Corporation of Taunton, MA, SRP, the Bureau of Transportation Planning & Development, Division of Motor Vehicles, Division of Planning & Studies, Bureau of Public Works, State Construction Service, Central and Management Services, Office of Information Systems (OIS).

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Map prepared by
SRPEDD
88 Broadway, Taunton MA
Sept 2003

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