

# GRRIP I Watershed Analysis for Carver, MA.

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

## Watershed 2

### 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

**Land Use Allocation** 759.7 acres

Forest (63.2%)
Wetland (12.1%)
Open Land (23.2%)
Multi-Fam. Res. (1.5%)
High Density Res. (1.5%)
Medium Dens. Res. (1.5%)
Low Dens. Res. (1.5%)
Transportation (1.5%)
Water (1.5%)

Land Use Area in Acres is 759.7  
 Impervious Area is 63.9 Acres  
 Percentage of Imperviousness = 8.4%  
 Avg Annual Nitrogen Load = 3105.0 pounds  
 Avg Annual Phosphorus Load = 465.9 pounds  
 Avg Annual Suspended Solids = 123851.2 pounds

- Drainage System
- Potential Vernal Pools
- Certified Vernal Pool
- Public Water Supply
- Public Beach
- Shellfish Beds
- Rarefish\_noon
- Rarebird\_noon
- Rareinvertebrate\_noon
- Rareplant\_noon
- Rarewildlife\_noon
- Intermittent Wetland Protection
- 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 Rd & Non-Eligible Functional Class Rd (FO/F-6)
  - Interstate (I-1)
  - Rural Principal Arterial & Urban Ext (F-2)
  - Rural Minor Arterial & Urban Ext (F-3)
  - Other Urban Principal Arterial (F-3)
  - Urban Minor Arterial or Rural Major Collector
  - Urban Collector or Rural Minor Collector (F-6)



Point 1 is an alternate drainage point that shows an additional potential point source for contaminants into this particular watershed. The mix of commercial, agricultural and recreational land user in this area merits further investigation of stormwater impacts on water quality.

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 teams in the SRPEDD report that fall within the Buzzards Bay Watershed. This 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 extrapolating the area of imperviousness using the Scholar Watershed Modeling and the Watershed Tools Extension developed by Mass GIS.

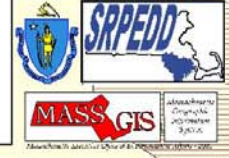
Map prepared by  
 SRPEDD  
 88 Broadway, Taunton MA  
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Watershed Analysis produced using the Watershed Tools Extension developed by Mass GIS.

This map was produced by SRPEDD (Statewide Regional Planning and Economic Development District), Taunton, MA. Portions of the aerial digital data were taken from digitized 1:25,000 scale maps by the State Office of Environmental Affairs, MassGIS, Capital Construction of Western MA, EIR, the Bureau of Transportation Planning & Development, Division of Motor Vehicle Services, Division of Public Safety, State and the Project, USGS, Statewide Information Center, Central and Management, National Oceanic and Atmospheric Administration (NOAA).

The location of features shown on this map are approximate and are intended for planning purposes only. This map is not intended for legal or planning purposes.

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0.25 Miles