

GRRIP II Watershed Analysis for Swansea, 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 Allocation 233.1 acres



Land Use Area in Acres is 233.1
 Impervious Area is 30.5 Acres
 Percentage of Imperviousness = 13.1%
 Avg Annual Nitrogen Load = 1040.6 pounds
 Avg Annual Phosphorus Load = 154.4 pounds
 Avg Annual Suspended Solids = 45372.8 pounds

The Majority of this Sub-Watershed falls 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
 - * Raremammal_noon
 - * Rarebird_noon
 - * Rarefish_noon
 - * Rareinvertebrate_noon
 - * Raremammal_noon
 - * Intermittent Wetland Protect
 - * Cold Water Fisheries
 - * Anadromous Fish Run
 - * Critical Area after Storm Event
 - * Wetlands
 - * Solid Waste Facility
 - * Estimated and Priority Habitats
 - * ACIC
 - * 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 or Non-Eligible Functional Class Rd (F-0/F-1)
 - ▬ Interstate (I-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)

The GRRIP II (Geographic Roadway Runoff Inventory Program) is an analysis of roadway drainage facilities located in environmentally sensitive areas on defined Federal Aid Highway Routes. GRRIP II analyzed towns in the SRPEDD regions that fall 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 outplotting 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.

Technical data source: MassGIS, Massachusetts Geographic Information System
 Data: 2003 Land Use, 2003 Imperviousness, 2003 Annual Nonpoint Source Pollution Loads
 Data: 2003 Annual Nitrogen Load, 2003 Annual Phosphorus Load, 2003 Annual Suspended Solids Load
 Data: 2003 Annual Nitrogen Load, 2003 Annual Phosphorus Load, 2003 Annual Suspended Solids Load
 Data: 2003 Annual Nitrogen Load, 2003 Annual Phosphorus Load, 2003 Annual Suspended Solids Load

This map was produced by SRPEDD (Southeastern Regional Planning and Economic Development District), Taunton, MA. Portions of the source digital data may have been supplied by the Massachusetts Executive Office of Environmental Affairs, MassGIS, Cable Corporation of Taunton, MA, SRP, the Bureau of Transportation Planning & Development, Division of State Planning, Division of Planning & Information, Road and Bay Project, USDA, State Conservation Service, Coastal Land Management, National Oceanic & Atmospheric Administration (NOAA).
 The location of feature boundaries shown on this map are approximate and are intended for planning purposes only. This map is an informational tool.
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1
 Lot at Columbus Auto at Route 6/
 Kickemut River

2
 Lot at Columbus Auto at Route 6/
 Kickemut River

Parking lot at Columbus Auto, Route 6 over the Kickemut River. Two 3' to 4' corrugated steel pipes receiving stormwater off of Rte 6 and discharging into the Kickemut. Pipe on the right is corroded and ripped. Pipe on the left shows some corrosion. Large crumbling pipe concrete rip-rap on bank behind lot. Steep slopes with runoff from a propane filling area at the gas station next to the auto dealer which goes directly down the bank. The water was cloudy with an odor.



Inset of Watershed Location

