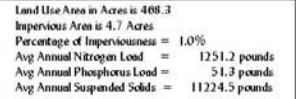
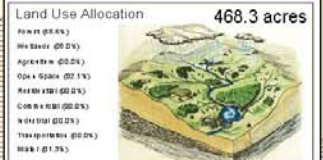


GRRIP I Watershed Analysis for Fall River, MA

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

Watershed 1



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

Drainage System

- Potential Vernal Pools
- Certified Vernal Pool
- Public Water Supply
- Public Beach
- Shellfish Beds
- Rarebird_nons.shp
- Rarefish_nons.shp
- Rareinsectnons.shp
- Rareptilish.shp
- Rarebirdive_nons.shp
- 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
- Roadway
- Roads:
 - Local Rd & Non-Eligible Functional Class Rds (FO-F6)
 - Interstate (I-1)
 - Rural Primary Arterial & Urban Est. (F-3)
 - Rural Minor Arterial & Urban Est. (F-4)
 - Other Urban Principal Arterial (F-4)
 - Urban Minor Arterial or Rural Major Collector (F-4)
 - Urban Collector or Rural Minor Collector (F-6)

This drainage system is located at Queen Gutter Brook which flows into North Wompat Pond, a public drinking supply for the city of Fall River. Road conditions were unpassable and extremely poor. The area has dense vegetation, forested wetlands and a very dense understory.



POINT 1: QUEEN GUTTER BROOK ROUGH CROSS SECTION ON ROADWAY



POINT 2: QUEEN GUTTER BROOK ROAD CROSS SECTION

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 analyzed towns in the SRPEDD region that fell 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 extrapolating its area of imperviousness using the Schuler Watershed Methodology and the Watershed Tools Extension developed by Mass GIS.

MAP PREPARED BY: MASS GIS
100 STATE STREET
SOUTH BOSTON, MA 02109
APRIL 2007

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

This project was funded by the Massachusetts Department of Transportation (MassDOT) through the Watershed Analysis Project. The project was developed by MassGIS. The project was funded by the Massachusetts Department of Transportation (MassDOT) through the Watershed Analysis Project. The project was developed by MassGIS.

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