

GRRIP I Watershed Analysis for Fairhaven, MA.

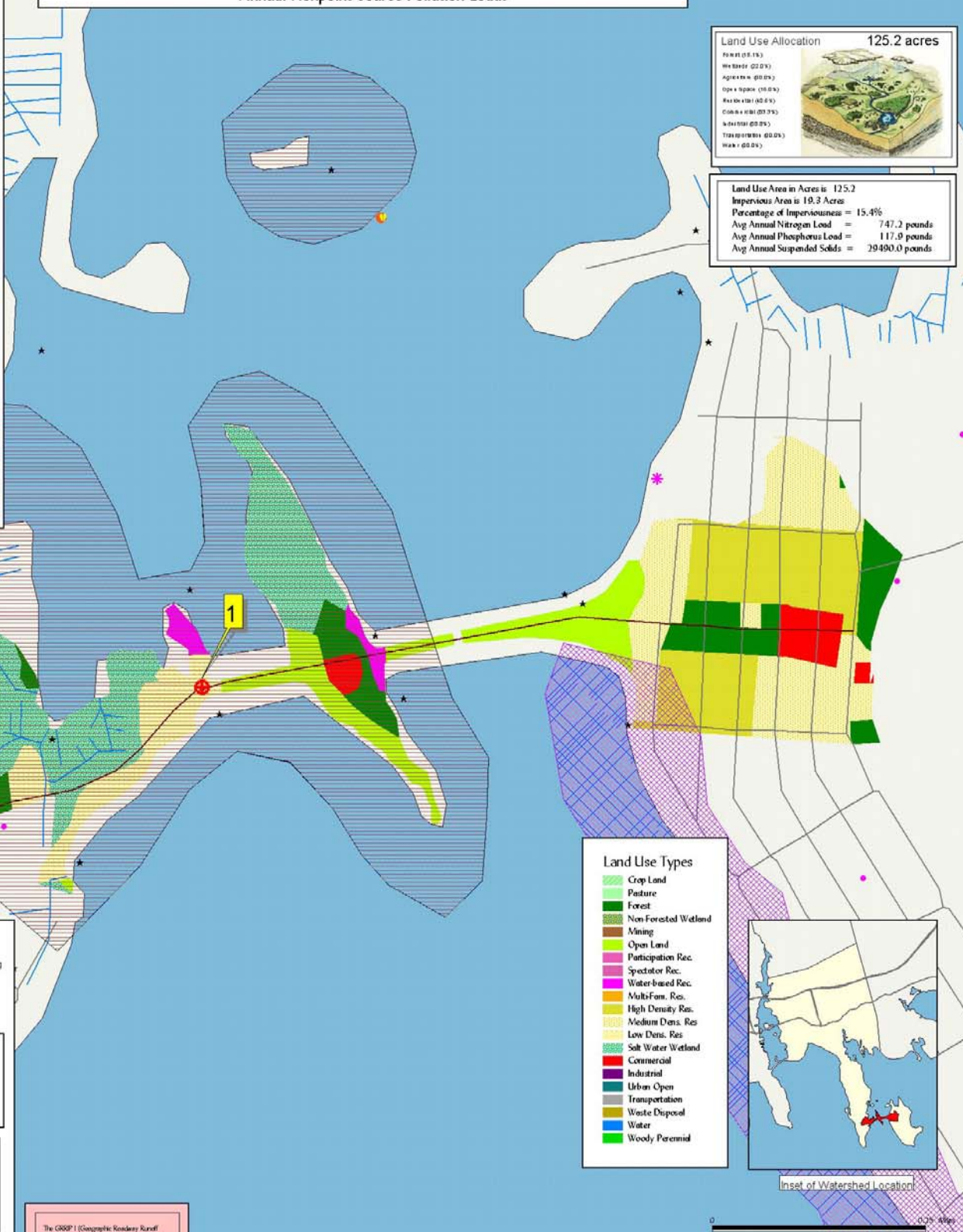
Estimates of Land Use, Impervious Surface and Annual Nonpoint Source Pollution Loads

- + Drainage Systems
- Potential Vernal Pools
- Certified Vernal Pool
- Public Water Supply
- * Public Beach
- * Shellfish Beds
- * Rarebird_noon
- * Rarefish_noon
- * Rarecrustacean_noon
- * Rarereptile_noon
- * Rareinvertebrate_noon
- * Raremammal_noon
- * Rarebird_noon
- * Rarefish_noon
- * Rarecrustacean_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
- * ACEC
- * Zone 2
- * Zone B
- * Rivers and Streams
- * Lakes & Ponds
- * Road Island Towns
- * Other MA Towns
- * Town Boundary
- * Ocean
- * Transmission Lines
- * Railroad
- Roads:**
 - * Local Rds & 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 Major Collector
 - * Urban Collector or Rural Minor Collector (F-6)

Land Use Allocation 125.2 acres

Forest (F-1)
Open Land (O-1)
Water-based Rec. (W-1)
Multi-Fam. Res. (M-1)
High Density Res. (H-1)
Medium Density Res. (MD-1)
Low Density Res. (L-1)
Commercial (C-1)
Industrial (I-1)
Urban Open (U-1)
Transportation (T-1)
Waste Disposal (W-2)
Water (W-3)
Woody Perennial (W-4)

Land Use Area in Acres is: 125.2
Impervious Area is: 18.3 Acres
Percentage of Imperviousness = 15.4%
Avg Annual Nitrogen Load = 747.2 pounds
Avg Annual Phosphorus Load = 117.9 pounds
Avg Annual Suspended Solids = 29490.0 pounds



This drainage system shows a shallow catch basin drainage system on the causeway leading to West Island. A sign indicated "closed to shellfishing" at the time of observation due to pollution of water. The condition of the road is fair.



POINT 1 PHOTO: Catch basin on causeway and concrete road. Catch basin is closed.



POINT 2 PHOTO: Catch basin on causeway and concrete road. Catch basin is closed.



POINT 3 PHOTO: Catch basin on causeway and concrete road. Catch basin is closed.

The GRRIP I (Geographic Roadway Runoff Inventory Program) is an analysis of roadway drainage facilities located in environmentally sensitive areas on defined Federal Aid Right-of-Way. GRRIP I analyzed roads in the SRPEDD region 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 categorizing its areas of imperviousness using the SCS Urban Watershed Assessment and the Watershed Tools Extension developed by Mass GIS.

- 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



Map prepared by
SRPEDD
 88 Broadway, Taunton MA
 Sept 2003

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

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