

City of Fall River, MA

GRRIP (Geographic Roadway Runoff Inventory Program)



SWANSEA

SOMERSET

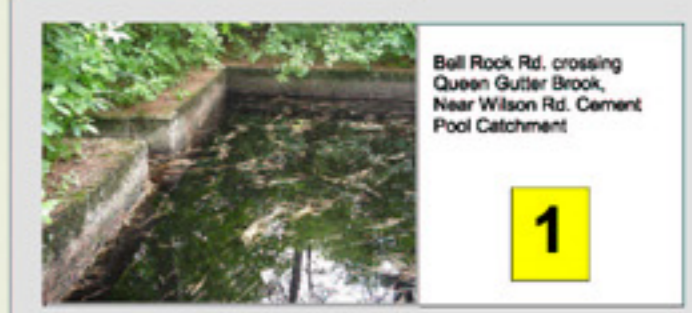
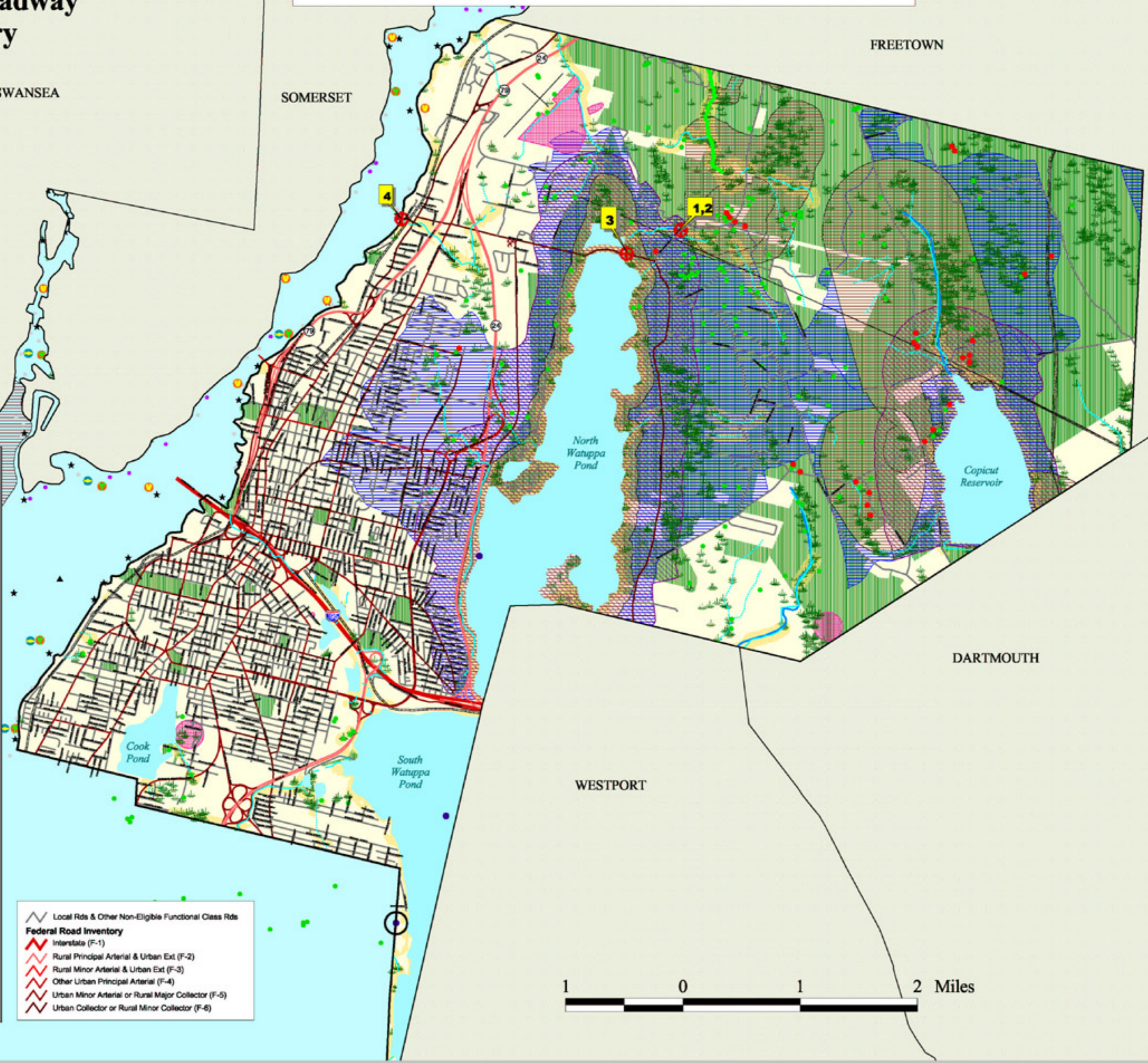
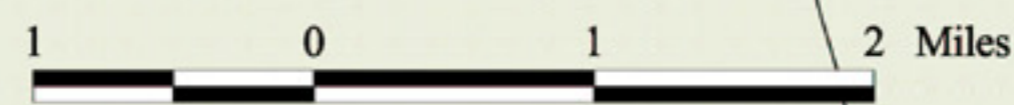
FREETOWN

DARTMOUTH

WESTPORT

- Road Crossing and Stream Crossing
 - Structures Including Bridges, Culverts, and Dams
 - Town Boundary
 - Other Massachusetts Towns
 - Rhode Island Towns
 - MRIP Natural Lands
 - Riparian Corridors 100 meters buffer
 - ACEC (Areas of Critical Environmental Concern)
 - Estimated & Priority Habitats (NHES)
 - Open Space (Includes Municipal, Permanently Protected, Private Non-Profit, Agricultural, Chapter 61A,B)
 - Wetlands
 - Interim Wellhead Protection (1/2 mi radius)
 - Critical Areas after Storm Events/ DMF
 - Approved Zonell Protection Area (DEQE)
 - Outstanding Resource Waters
 - Cranberry Bogs (some Orchard/Nursery)
 - Solid Waste Facilities/DEP
 - Barrier Beaches
 - Transmission Lines
 - Railroads
 - Lakes & Ponds
 - Rivers & Streams
 - Ocean
-
- Coldwater Fisheries/Rivers (DFW)
 - Coldwater Fisheries/Ponds (DFW)
 - Public Beach (NOAA)
 - Rare & Sensitive Crustacean (NOAA)
 - Rare & Sensitive BiValve (NOAA)
 - Rare & Sensitive Reptile (NOAA)
 - Rare & Sensitive Fish (NOAA)
 - Rare & Sensitive Bird (NOAA)
 - Certified Vernal Pools
 - Shellfish Beds
 - Anadromous Fish Runs
 - Public Water Supplies

- Local Rds & Other Non-Eligible Functional Class Rds
- Federal Road Inventory**
- 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 (F-5)
 - Urban Collector or Rural Minor Collector (F-6)



Photo's 1 & 2 show a drainage system at Queen Gutter Brook which flows into North Watuppa Pond, a public drinking water supply for the city of Fall River. The area has dense vegetated, forested wetlands with a very dense understory. Drainage system is a cement walled detention structure apx 12' x 20'x apx.10' deep with a 3' deep cement overflow release channel through which water is discharged directly into the brook. The detention basin was open, in close proximity to the road and with no safety fencing or protective structure around it. Water appeared clean. The system is located in a designated Outstanding Resource Water area; near Certified Vernal Pools, Wetlands; a Cold Water Fisheries, a Priority Habitat, and the Freetown State Forest. A Solid Waste Facility is Located apx 1.5 miles to the North. Slope of the land is greater than 35% at the point of discharge. There is direct discharge into the water from the road.



Steep Brook area; chronic flood problems resultant from upgradient drainage off of recently developed area; creates I & I problems during intense storm events



The following data sources from the Massachusetts Natural Heritage & Endangered Species Program at the EOEA, if used on the map, are identified as follows:

Estimated Habitat of Rare Wildlife
NHESP 2007 Estimated Habitats of Rare Wildlife Use with the Wetlands Protection Act.

Priority Habitat of known state protected rare plant and animal species
NHESP 2007 Priority Habitats of State Listed Rare Species. NOT equivalent to "Significant Habitats" as designated under the Massachusetts Endangered Species Act.

Certified Vernal Pools
NHESP 2007 Massachusetts Certified Vernal Pools

Map Produced by SRPEDD
Southeastern Regional Planning & Economic Development
Taunton, MA
September 2007

The Geographic Roadway Run off Inventory Program, or GRRIP provides an analysis of roadway drainage facilities, located in environmentally sensitive areas, on defined state and local roads. The computer based mapping project included twenty-two separate categories of environmental information, along with other base map layers, to create an overview of a town's environmental and road network information.

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; Caliper Corporation of Newton, MA; ESRI; Executive Office of Transportation and Public Works, Division of Marine Fisheries; Department of Fish & Game; Buzzards Bay Project; USDA Natural Resources Conservation Service; Coastal Zone Management; National Oceanic & Atmospheric Administration (NOAA); The Nature Conservancy (TNC); Natural Heritage (NH&ESP)

The location of feature boundaries shown on this map are approximate and are intended for planning purposes only. This map is not intended for legal, engineering or survey purposes.

The funding for this project was provided by the Executive Office of Transportation (EOTPW).