GRRIP II (Geographic Roadway Runoff Inventory Program)

Town of Swansea, MA

Swansea falls within the Narraganset Bay Watershed and the Taunton River Watershed.

Seekonk

Rehoboth

Dighton

Rhode Island

Somerset

1&2

3

4&5

6,7&8

Location of a Storm Water Drainage System in an Environmentally Sensitive Area near a Federally Eligible Roadway

- 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 61,A,B)
- Wetlands
- Interim Wellhead Protection (1/2 mi radius)
- Critical Areas after Storm Events/ DMF
- Approved Zoneil Protection Area (DEP)
- Zone B Protection Area
- EPA Sole Source Aquifer
- Outstanding Resource Waters
- Cranberry Bogs (some Orchard/Nursery)
- Solid Waste Facilities/DEP
- Barrier Beaches
- Transmission Lines
- Railroads
- Lakes & Ponds
- Stream
- Intermittent Stream
- 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)
- DEP Seagrass
  - algae
  - eelgrass
- NHESP Potential Vernal Pools
- 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)

N W E S

0 0.5 1 1.5 2 Miles

Lot at Columbus Auto at Route 6/ Kickemuit River

1

Lot at Columbus Auto at Route 6/ Kickemuit River

2

Parking lot at Columbus Auto, Route 6 over the Kickemuit River. Two 3' to 4' corrugated steel pipes receiving stormwater off of Rte 6 and discharging into the Kickemuit. Pipe on the right is corroded and ripped. Pipe on the left shows some corrosion. Large crumbling slab concrete rip-rap on banks 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.

Route 6 at Coles River

3

Route 6 at the Coles River: two areas of concrete swale. Discharge point is 10' from road on a steep slope into vegetation. There is debris at base of swale. May need flow attenuators. The area is part of an anadromous fish run. There is evidence of a herron rookery in the adjacent wetlands.

Near Town Hall at Stevens and Elm Streets

4

Near Town Hall at Stevens and Elm Streets

5

Main Street (Stevens St) near the intersection with Elm St. 3' corrugated pipe in a stonewall/stone/cement headwall. Evidence of some cracking. The bottom of the headwall is eroding in spots. Culvert pipe on north side is showing some rot and is partially blocked by two large rocks.

Hailes Hill Rd. near Sherry Brook Rd.

6

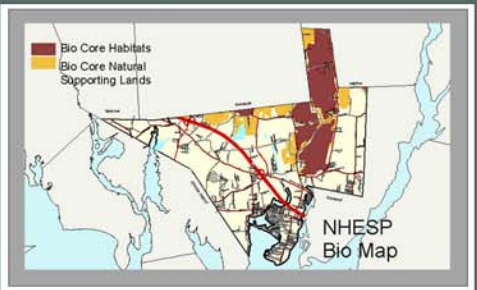
Hailes Hill Rd. near Sherry Brook Rd.

7

Hailes Hill Rd. near Sherry Brook Rd.

8

Hailes Hill Rd: 18' corrugated pipe in stone headwall with adjacent asphalt swale (>35% slope to stream channel). Pipe has about 6" clearance and shows signs of rot and collapse. There is evidence of heavy sediment. Some erosion is occuring around the headwall.



Inset of Town Location

SRPEDD

MASS GIS

Massachusetts Geographic Information Agency

Map Produced by SRPEDD
Southeastern Regional Planning & Economic Development District
Taunton, MA
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GRRIP II (Geographic Roadway Runoff Inventory Program) is an analysis of roadway drainage facilities in relation to intersecting environmentally sensitive areas on defined Federal Aid "functionally classed" roads. The GRRIP II project analyzed 18 SRPEDD towns within the Narragansett Bay Watershed Region and mapped those storm water drainage systems considered to be located in critically sensitive environmental areas.

The Towns are Fall River, Freetown, Lakeville, Middleborough, Carver, Somerset, Swansea, Berkley, Taunton, Raynham, Seekonk, Rehoboth, Dighton, Attleboro, N. Attleborough, Norton, Mansfield, Plainville.

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; Cooper Corporation of Marshfield, MA; ESRI; the Bureau of Transportation Planning & Development, Division of Marine Fisheries, Division of Fisheries & Wildlife; RIGIS; USGS; Natural Conservation Service; Coastal Zone 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 not intended for legal, engineering or survey purposes.

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