

Town of Somerset, MA

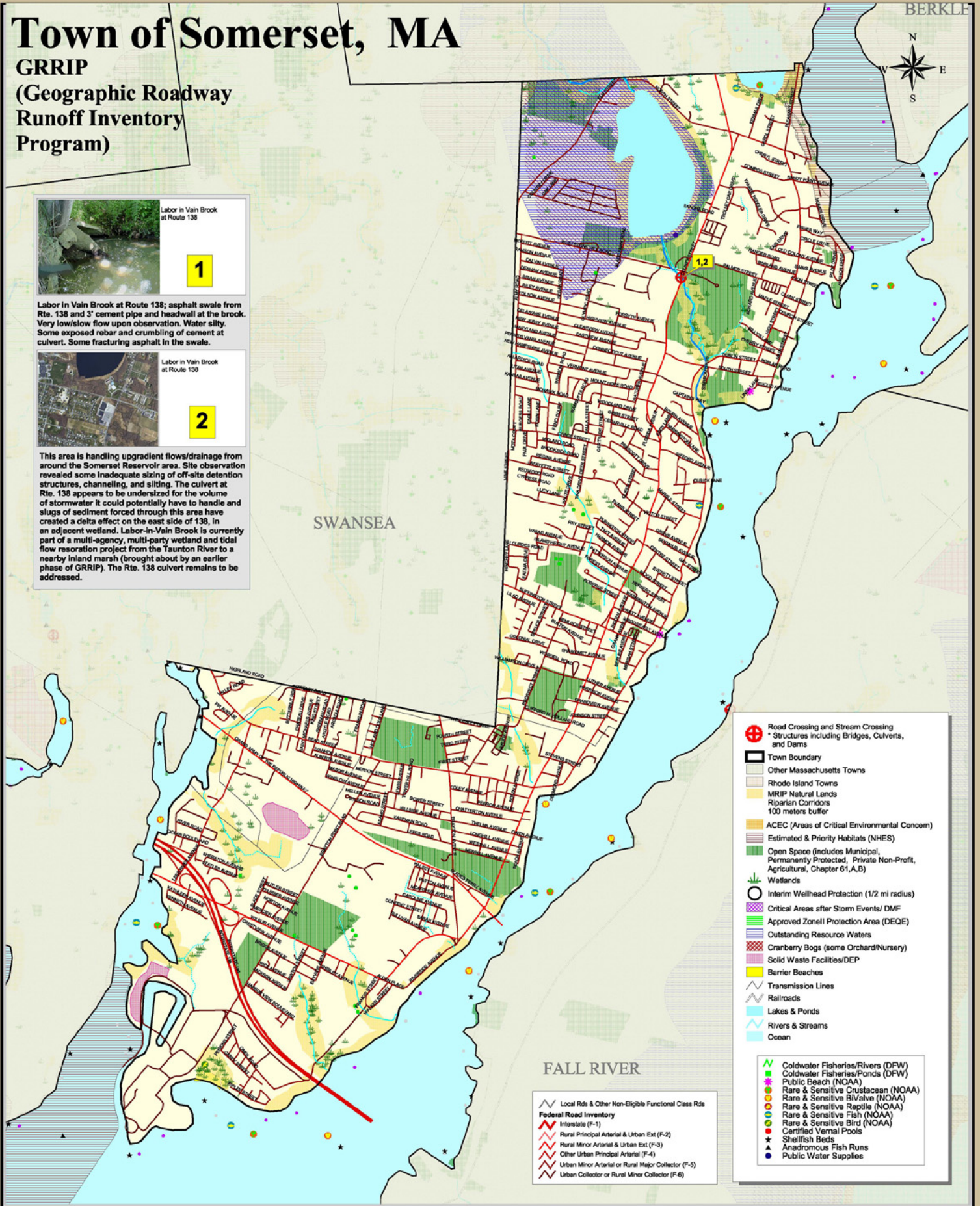
GRRIP (Geographic Roadway Runoff Inventory Program)



Labor in Vain Brook at Route 138; asphalt swale from Rte. 138 and 3' cement pipe and headwall at the brook. Very low/slow flow upon observation. Water silty. Some exposed rebar and crumbling of cement at culvert. Some fracturing asphalt in the swale.



This area is handling upgradient flows/drainage from around the Somerset Reservoir area. Site observation revealed some inadequate sizing of off-site detention structures, channelling, and siltling. The culvert at Rte. 138 appears to be undersized for the volume of stormwater it could potentially have to handle and slugs of sediment forced through this area have created a delta effect on the east side of 138, in an adjacent wetland. Labor-in-Vain Brook is currently part of a multi-agency, multi-party wetland and tidal flow restoration project from the Taunton River to a nearby inland marsh (brought about by an earlier phase of GRRIP). The Rte. 138 culvert remains to be addressed.



- 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)



The following data sources from the Massachusetts Natural Heritage & Endangered Species Program of the DECMA, based on the maps, 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" habitat 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 Runoff 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; ESH; 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).