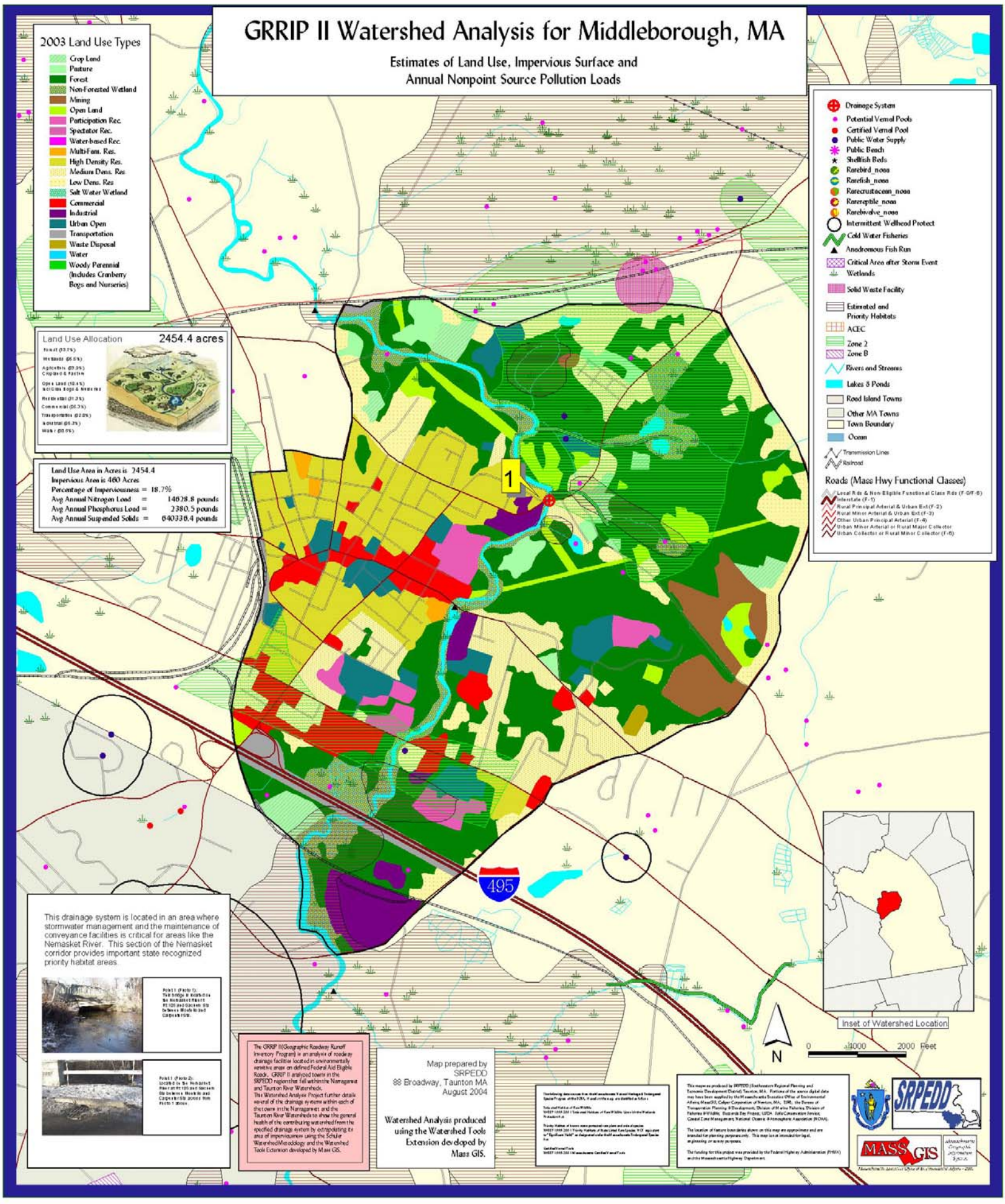
GRRIP II Watershed Analysis for Middleborough, MA
Estimates of Land Use, Impervious Surface and
Annual Nonpoint Source Pollution Loads
2003 Land Use Types
Crop Land
Pasture
Forest
Non-Forested Wetland
Mining
Open Land
Participation Rec.
Spectator Rec.
Water-based Rec.
Multi-Fam. Res.
High Density Res.
Medium Dens. Res
Low Dens. Res
Salt Water Wetland
Commercial
Industrial
Urban Open
Transportation
Waste Disposal
Water
Woody Perennial
(Includes Cranberry
Bogs and Nurseries)
Land Use Allocation
2454.4 acres
Land Use Area in Acres is 2454.4
Impervious Area is 460 Acres
Percentage of Imperviousness = 18.7%
Avg Annual Nitrogen Load = 14628.8 pounds
Avg Annual Phosphorus Load = 2380.5 pounds
Avg Annual Suspended Solids = 640336.4 pounds
Drainage System
Potential Vernal Pools
Certified Vernal Pool
Public Water Supply
Public Beach
Shellfish Beds
Rarebird_noaa
Rarefish_noaa
Rarecrustacean_noaa
Rarereptile_noaa
Rarebivalve_noaa
Intermittent Wellhead 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 (Mass Hwy Functional Classes)
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)
1
495
This drainage system is located in an area where stormwater management and the maintenance of conveyance facilities is critical for areas like the Nemasket River. This section of the Nemasket corridor provides important state recognized priority habitat areas.
Inset of Watershed Location
N
0
1000
2000 Feet
The GRRIP II (Geographic Roadway Runoff Inventory Program) is an analysis of roadway drainage facilities located in environmentally sensitive areas on defined Federal Aid Eligible Roads. GRRIP II analyzed towns in the SRPEDD region that fall within the Narragansett and Taunton River Watersheds.
This Watershed Analysis Project further details several of the drainage systems within each of the towns in the Narragansett and the Taunton River Watersheds to show the general health of the contributing watershed from the specified drainage system by extrapolating its area of imperviousness using the Schuler Watershed Metodology and the Watershed Tools Extension developed by Mass GIS.
Map prepared by
SRPEDD
88 Broadway, Taunton MA
August 2004
Watershed Analysis produced using the Watershed Tools Extension developed by Mass GIS.
SRPEDD
MASS GIS