

# Coastal Zone Soil Survey



As a member of the National Cooperative Soil Survey, NRCS is the lead federal agency for the mapping and interpretations of the nation's soil resources.

The well established standards, techniques, and protocols used to map and interpret the nation's soil resources have been applied to



Soil ... is characterized by [either]

Horizons, or layers, that are distinguishable from the initial material as a result of additions, losses, transfers, and transformations of energy and matter, or

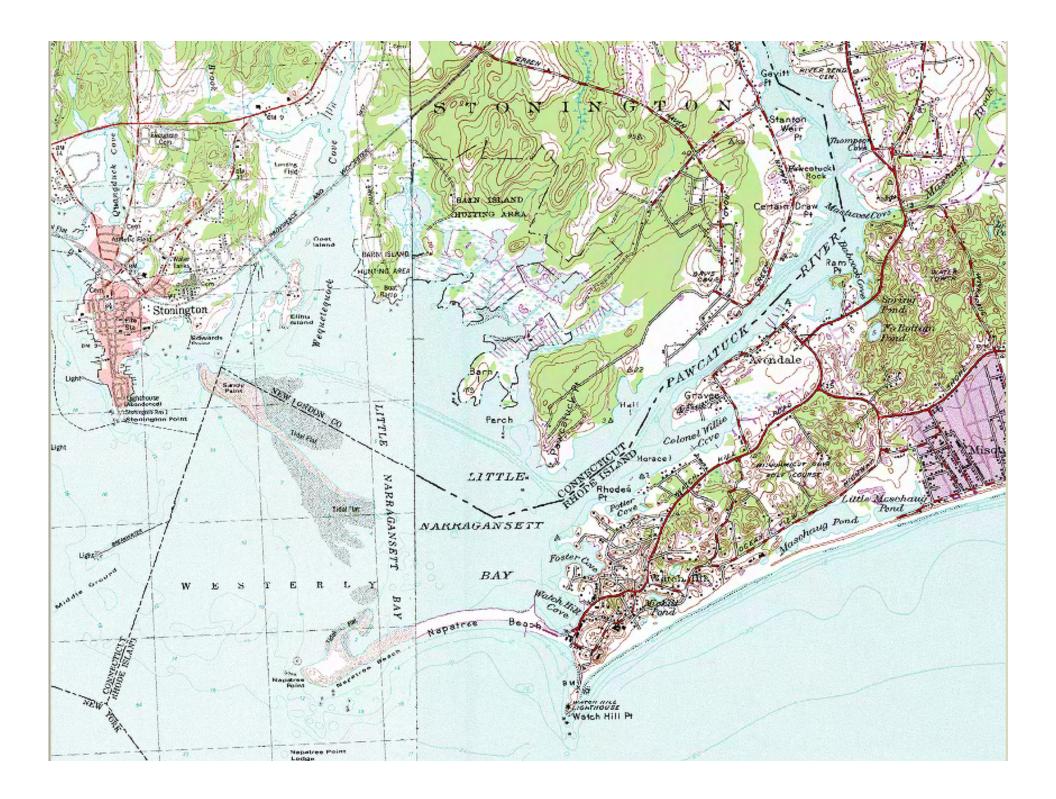
The ability to support rooted plants in a natural environment.

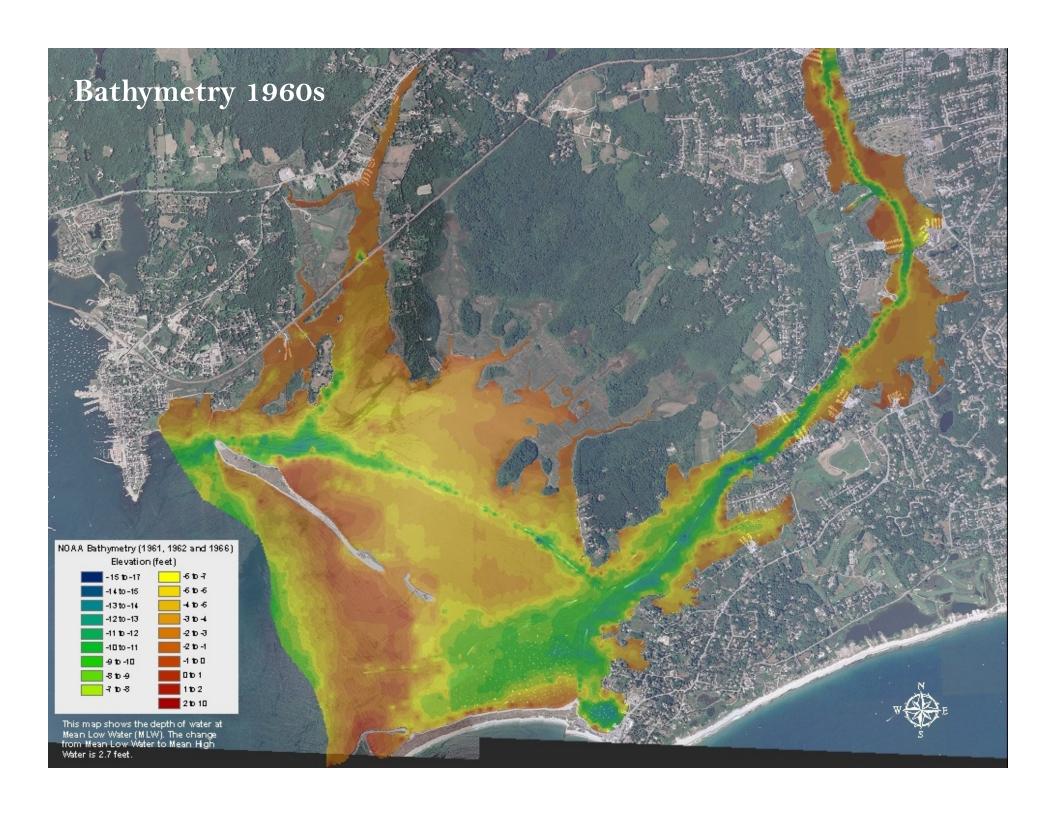


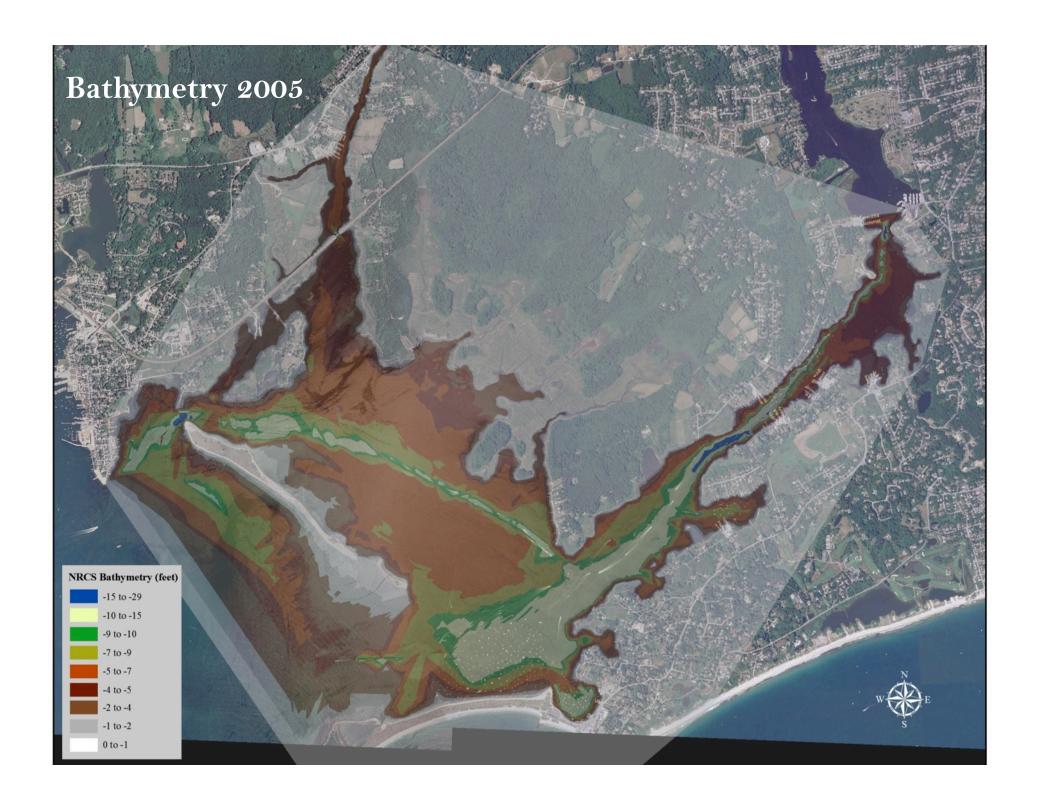
The upper limit of soil is the boundary between soil and air, shallow water, live plants, or plant materials that have not begun to decompose.

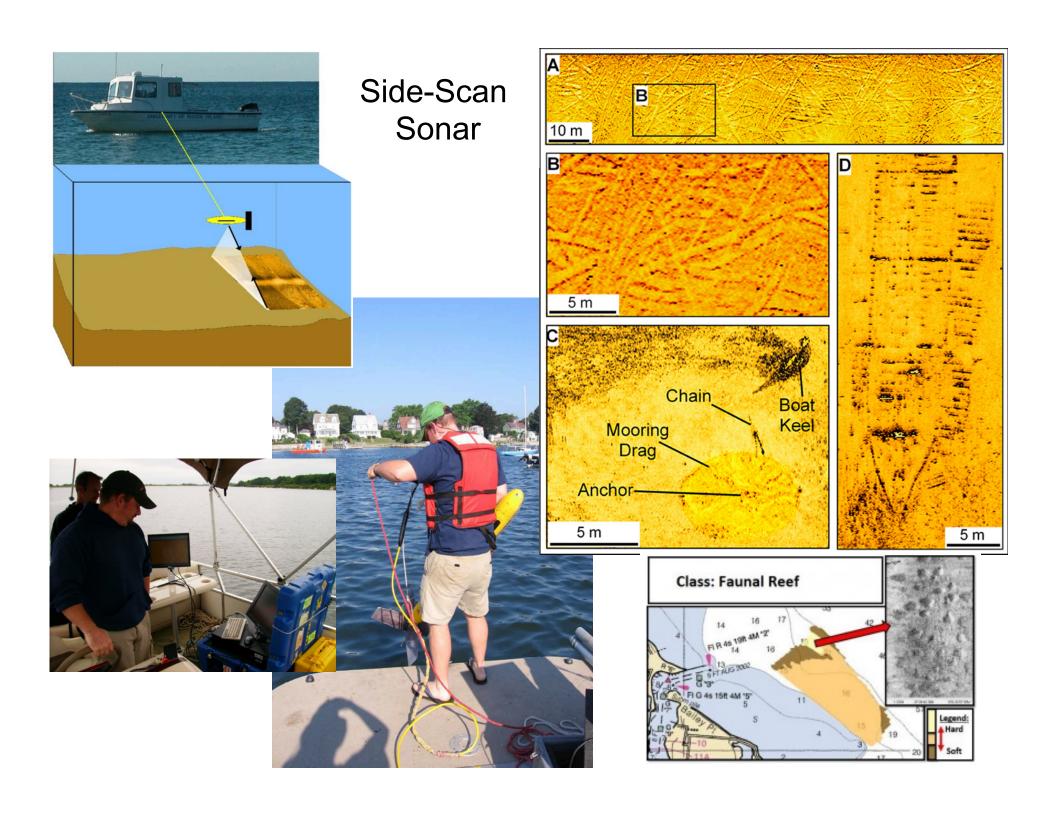
Areas are not considered to have soil if the surface is permanently covered by water too deep (typically more than 2.5 meters) for the growth of rooted plants.

The lower limit of soil is arbitrarily set at 200 cm.







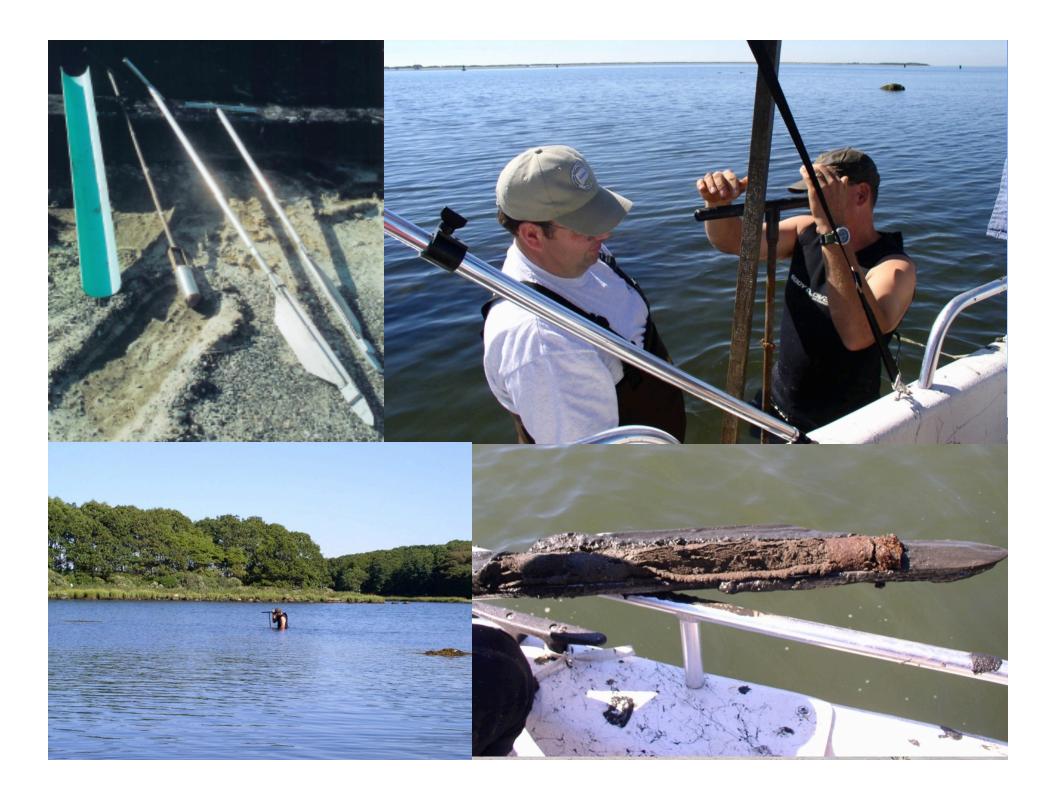




















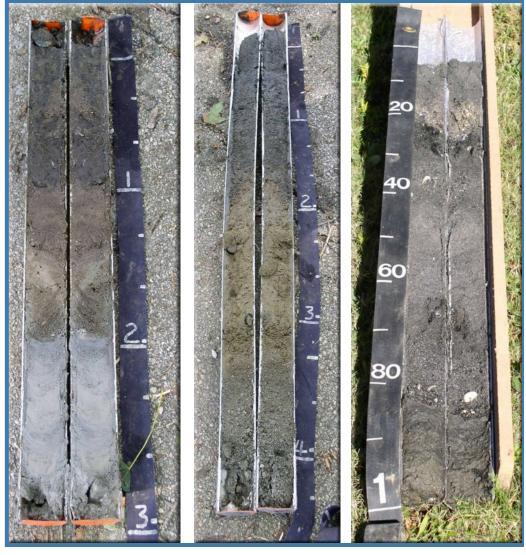


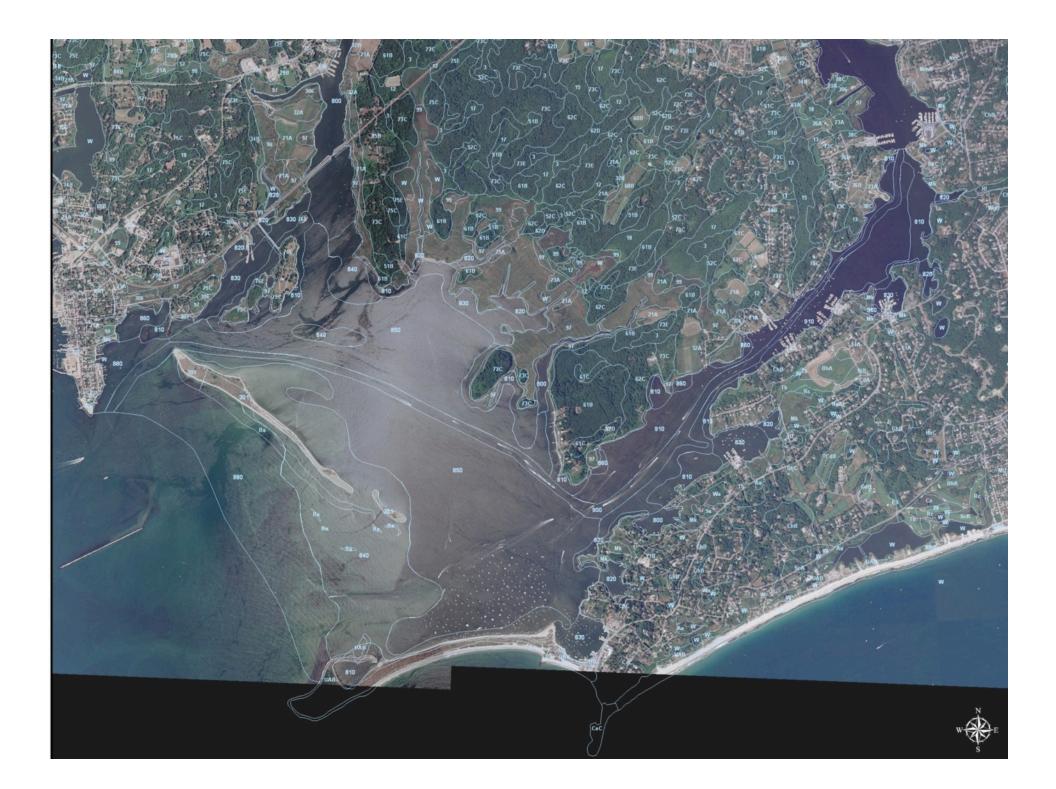


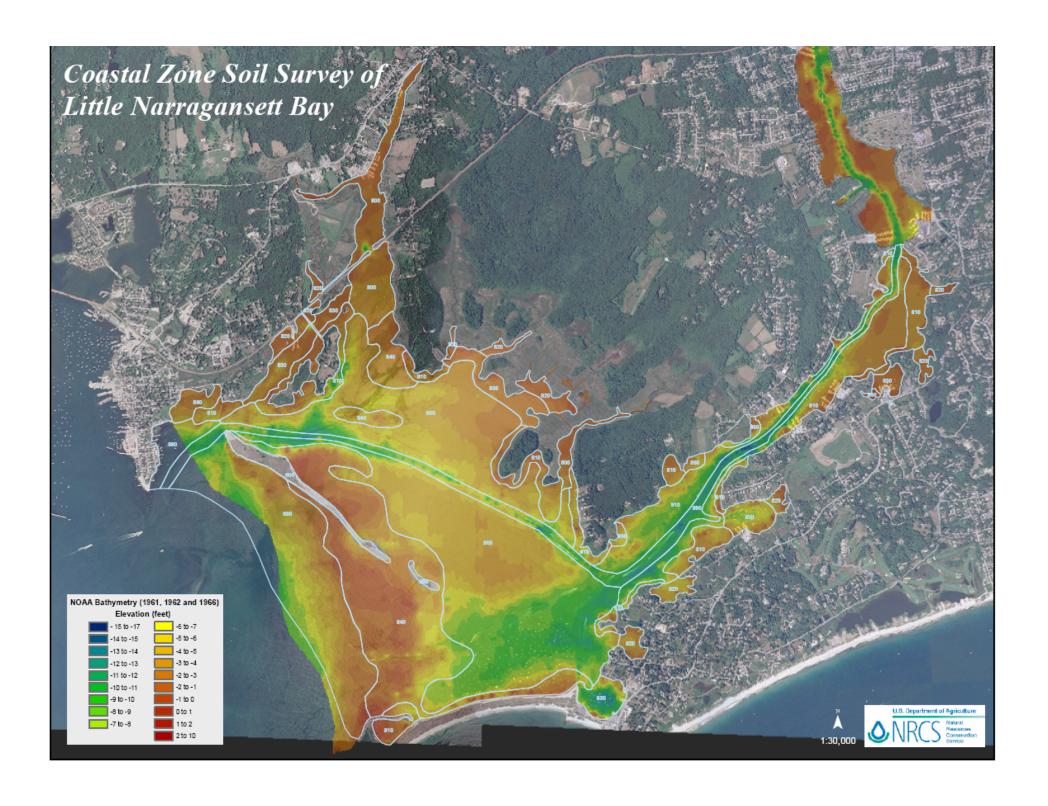
### Wequetequock

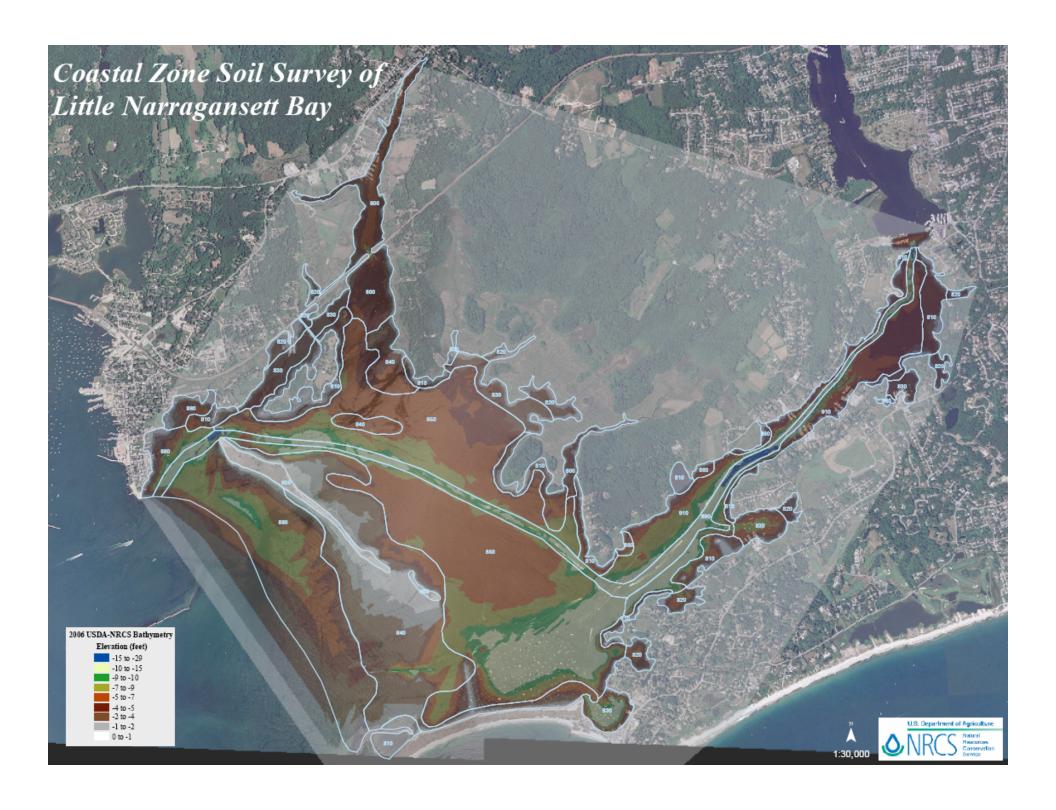


### Napatree Anguilla Rhodesfolly

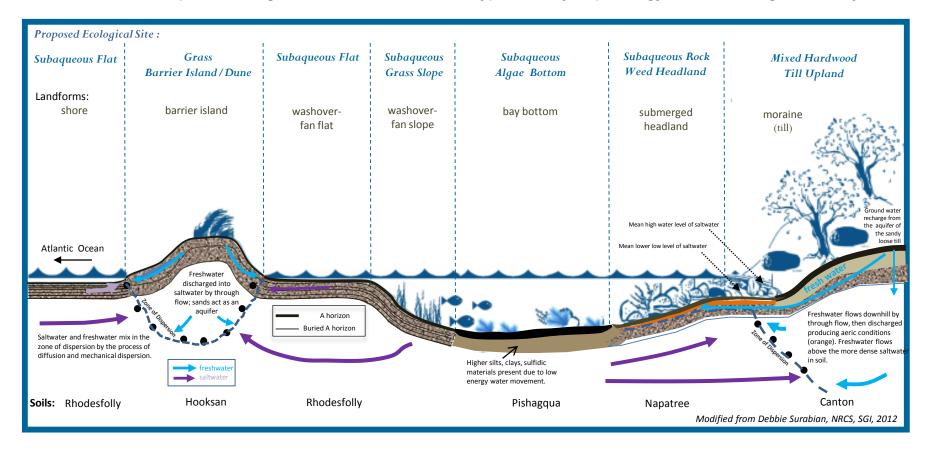








### The shore-to-upland Ecological Sites, Landforms, Soil Types and Hydropedology of Little Narragansett Bay.



## USDA

## Soil based interpretations that could be developed for subaqueous soils:



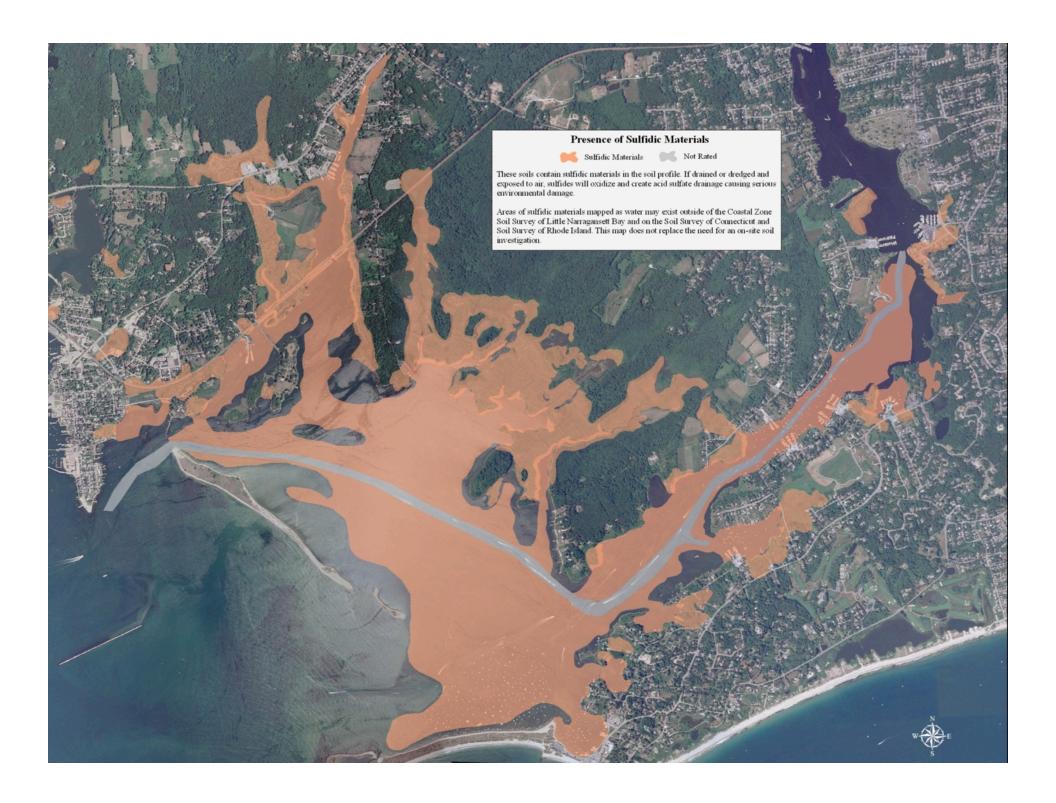
- Soil Suitability for Hard Clam Habitat\*\*
- Soil Suitability for Eastern Oyster Habitat Restoration\*\*
- Soil Suitability for Eelgrass Restoration\*\*
- Moorings Deadweight and Mushroom Anchors \*\*
- Land Utilization of Dredge Materials\*\*
- Shoreline Erodibility
- Climate Change vulnerability
- Shoreline Cleanup (oil spills)
- Tidal Marsh Protection and Creation
- Crab Habitat
- Horseshoe Crab Habitat
- Lobster Habitat
- Nutrient Reduction
- Wading Shore Birds and Migratory Waterfowl, Nurseries/Spawning Areas
- Navigational Channel Creation/Maintenance
- Dune and Beach Maintenance/Replenishment
- Carbon Sequestration
- Dock Development and Maintenance

\*\*currently being

developed







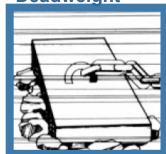


## **Moorings**

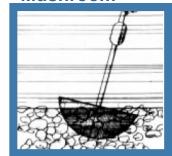


	Mooring Type	
Map Symbol and Soil Name	Mushroom Anchor	Deadweight
301		
Beaches		
Udipsamments		
800		
Wamphassuc	Not Limited	Very Limited soft bottom
Wequetequock	Not Limited	Very Limited soft bottom
810 Napatree	Very Limited hard bottom	Not Limited



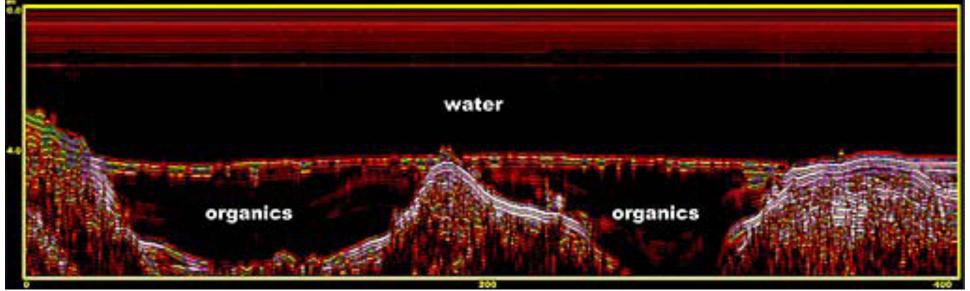


### Mushroom



## Survey

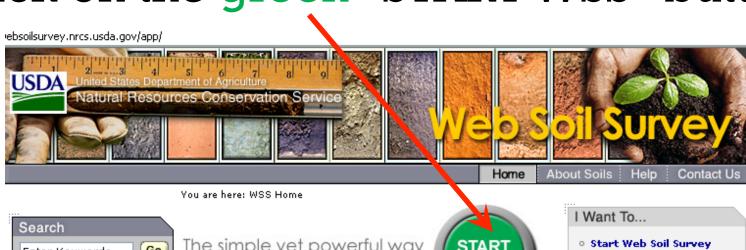






## **USDA**

## Click on the green "START WSS" button



Go Enter Keywords All NRCS Sites Browse by Subject

- Soils Home
- National Cooperative Soil Survey (NCSS)
- Archived Soil Surveys
- Status Maps
- Official Soil Series Descriptions (OSD)
- Soil Series Extent Mapping Tool
- Soil Data Mart
- Geospatial Data Gateway
- ▶ eFOTG

The simple yet powerful way to access and use soil data.



#### Welcome to Web Soil Survey (WSS)



Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey, It is operated by the USDA Natural Resources Conservation Service (NRCS) and provides access to the largest natural resource information system in the world. NRCS has soil maps and data available online for more than 95 percent of the nation's counties and

anticipates having 100 percent in the near future. The site is updated and maintained online as the single authoritative source of soil survey information.

### Three Basic Steps



Define

- (wss)
- Know the requirements for running Web Soil Survey
- Know whether my web. browser works with Web Soil Survey
- Know the Web Soil Survey hours of operation
- Find what areas of the U.S. have soil data

#### Announcements/Events

 Web Soil Survey 2.0 has been released! View description of new features.

