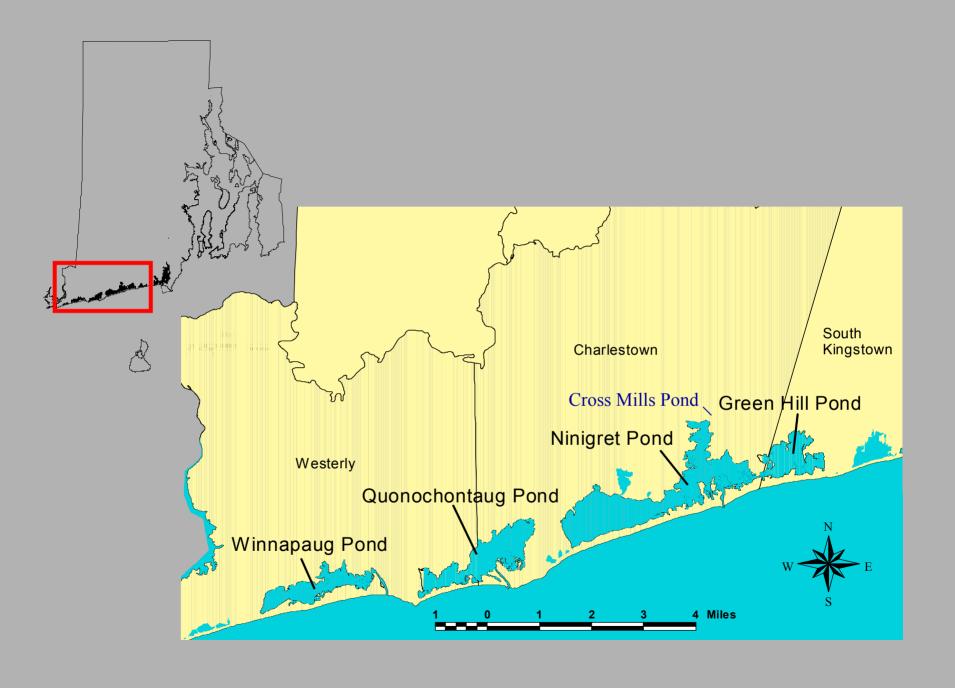
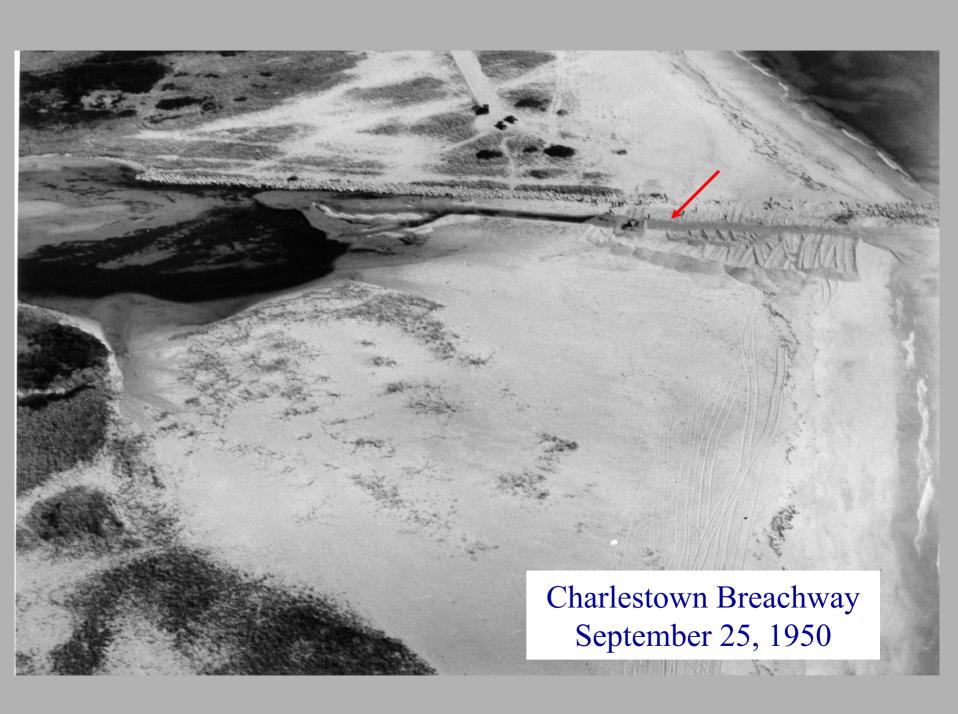
South Coast Habitat Restoration Project: Measuring Restoration on a Large Scale

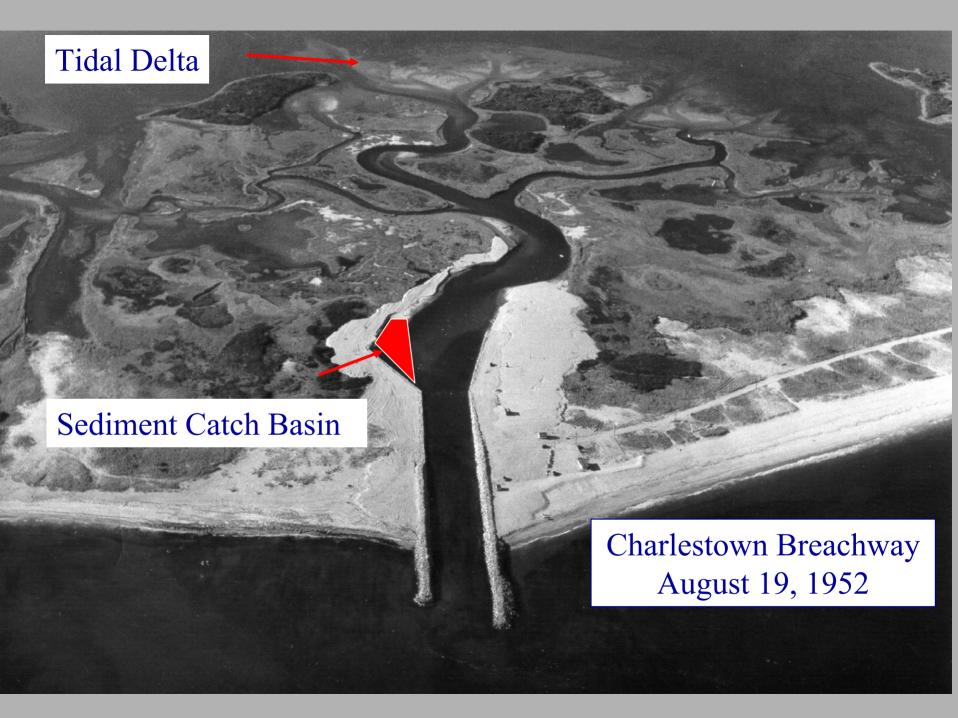
Janet Freedman, RI Coastal Resources Management Council

Megan Higgins, RI Coastal Resources Management Council









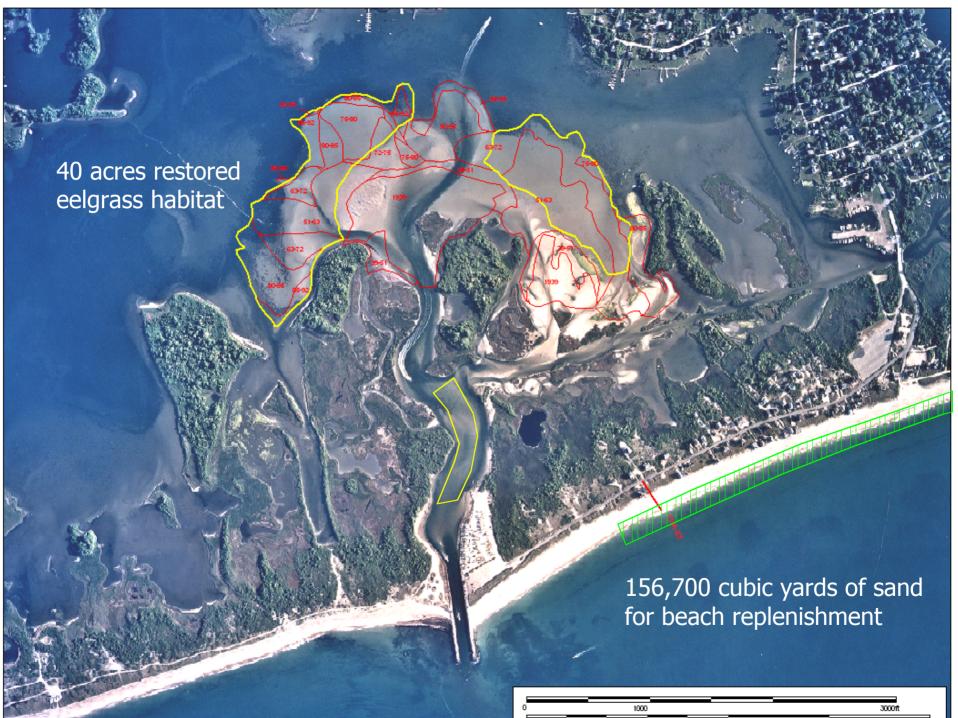






South Shore Habitat Restoration

- Dredge areas of three coastal pond tidal deltas and restore eelgrass habitats which existed prior to establishment of manmade breachways.
- Restore anadromous fish passage ways to Cross Mills Pond which existed prior to manmade obstructions.
- Apply a systems approach to sediment management

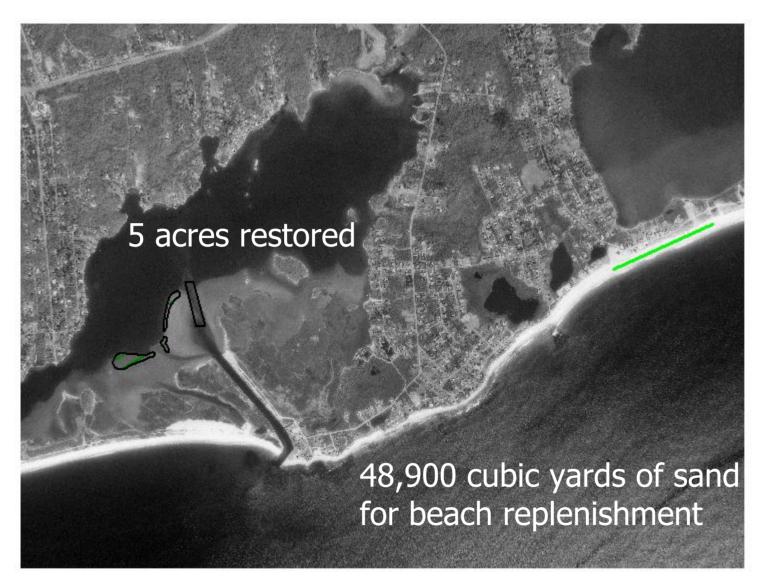
















20 acres restored spawning habitat

Four Phases

- Reconnaissance Study
 - Completed June 1998
- Final Feasibility Study and Environmental Assessment
 - Completed June 2002

Four Phases (cont.)

- Construction
 - Ninigret Pond eelgrass restoration
 - Plans and Specifications completed 2004
 - Dredging fall 2004/spring 2005
 - Eelgrass seeding and transplants summer 2005
 - Monitoring until summer 2007
 - Cross Mills Pond anadronomous fish passage
 - Plans and Specifications completed 2004
 - Construction fall 2004





Four Phases (cont.)

- Construction
 - Winnapaug Pond
 - Construction completed in summer 2006
 - Monitoring completed in summer 2008
 - Quonochontaug Pond
 - Construction completed in summer 2007
 - Monitoring completed in summer 2009

Beach Replenishment

- Total amount of sediment removed from the flood tidal delta:
 - Ninigret Pond 156,700 cubic yards
 - Quonochontaug Pond 48,900 cubic yards
 - Winnapaug Pond 75,100 cubic yards

Four Phases (cont.)

- Operation and Maintenance
 - Sedimentation basins expected to need dredging every five years to maintain project
 - CRMC is pursuing purchase of a dredge with the ACOE and Congressional representatives through the Water Resources Development Act and OSPAR Funds.

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