

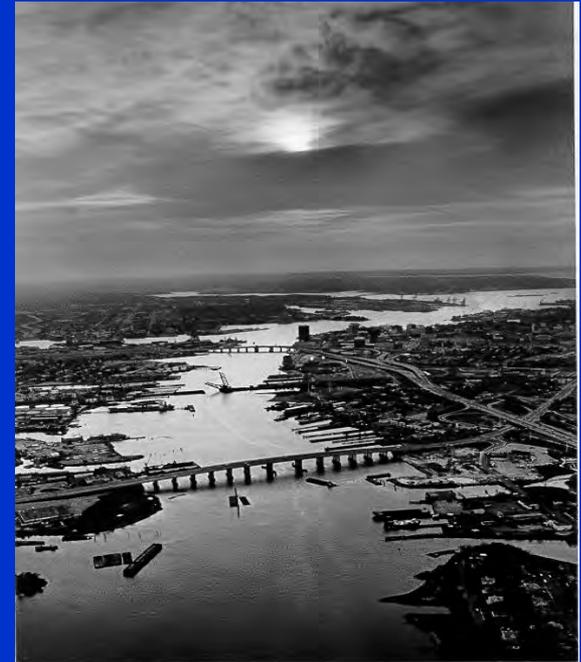
**US Army Corps
of Engineers**
Norfolk District

Elizabeth River Basin Environmental Restoration Sediment Cleanup and Wetlands Restoration



The Elizabeth River ...

- **Most degraded in Chesapeake Bay**
- **50 % of tidal wetlands lost**
- **Shellfish harvesting banned since 1920s**
- **90 % cancer rate in river “canary”**
- **Several sediment “Hot Spots”**



“The highest levels of shellfish and finfish contamination in the Chesapeake Bay were observed in the Elizabeth River and in the Baltimore Harbor.”



Signed the Feasibility Study Cost Share Agreement in July 1998

➤ **Developed Regional Consensus on Environmental Restoration Plan**

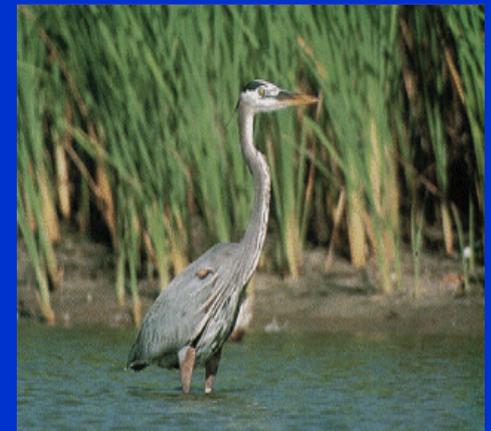
- Cities of Chesapeake, Norfolk, Portsmouth, and Virginia Beach; Commonwealth of Virginia; and the Elizabeth River Project
- Local universities, planning district commission, agencies, civic groups, and other organizations
- Congressional support

➤ **Currently Implementing Plan**

➤ **Established Elizabeth River Trust in May 2004**

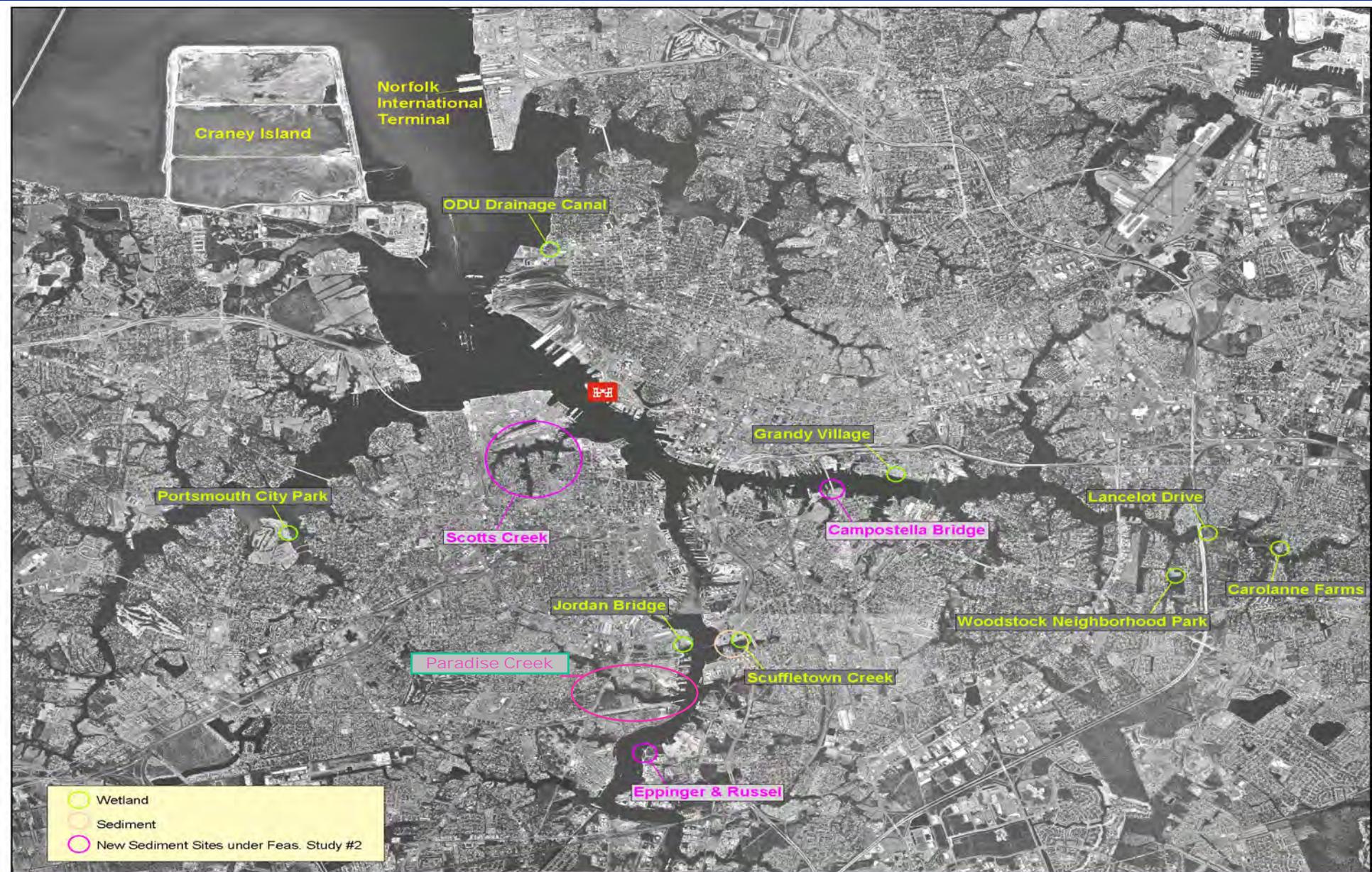
Environmental Restoration Goals

- Restored wetlands improve habitat for aquatic life
- Sediment clean-up improves bottom community health and diversity
- Enhanced recreational experiences

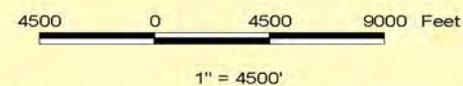


Environmental Restoration Plan

- Several potential restoration sites studied
- Scuffletown Creek to be first Sediment Clean-up Project
- 2nd Feasibility Study (Sediment Clean-up) at Paradise Creek
- Wetland Restoration at 7 sites



**Elizabeth River
Environmental Restoration
Feasibility Study Phase I & II
Storyboard**



DOQQ Aerial Photography Date: 1994



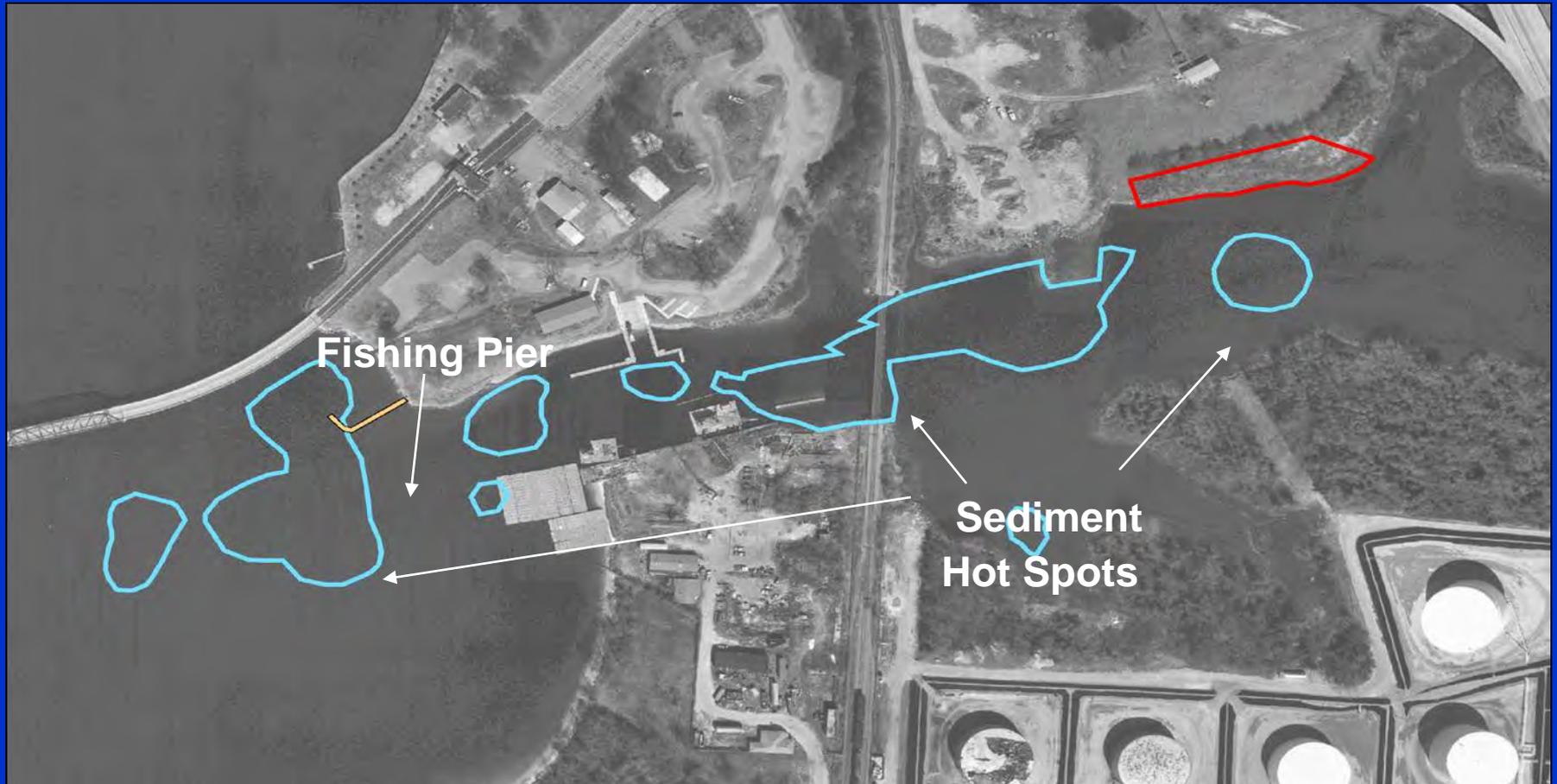


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Scuffletown Cr. Sediment Remediation



Scuffletown Creek Sediment Hot Spots



Proposed clean-up will involve environmental dredging, treatment of sediments, and containment in a placement area

Scuffletown Creek Sediment Clean-up Status

- Detailed Design Phase (~90% complete)
 - Selected final sediment clean-up plan in FY 2008
 - Complete design in FY 2009
- Construction in FY 2010
 - Approx. 6 acres
 - Estimated cost -- \$5.5 million

Paradise Creek Feasibility Study

- Approx. 40 acres
- Sediment clean-up study initiated in FY06
- Study currently on hold due to lack of non-Federal funding



Wetland Restoration Sites

- **Chesapeake**
 - Scuffletown Creek (construction)

- **Norfolk**
 - ODU Drainage Canal (construction)
 - Grandy Village (complete design)

- **Portsmouth**
 - Jordan Bridge (initiate design)

- **Virginia Beach**
 - Woodstock Park (complete design)
 - Carolanne Farms (initiate design)
 - Lancelot Drive (initiate design)



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Old Dominion University Drainage Canal Wetland Restoration

- Norfolk, VA
- 1 Acre (Approx.)
- Cost = \$477,000
- Design completed in 2008
- Possible construction in FY 2009



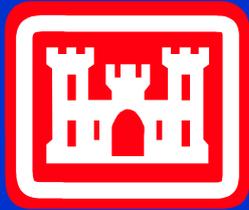


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Scuffletown Creek Wetland Restoration

- Chesapeake, VA
- 1 Acre (Approx.)
- Cost = \$309,000
- Design completed in 2008
- Possible construction in FY 2009





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