Ecological Recovery Peconic River, Post Cleanup

Tim Green Environmental Protection Division April 9, 2015



a passion for discovery





Agenda

Cleanup

- Extent of cleanup maps
- Post cleanup monitoring of vegetation
- Photo points
 - River
 - Temporary haul roads
- Supplemental cleanup areas

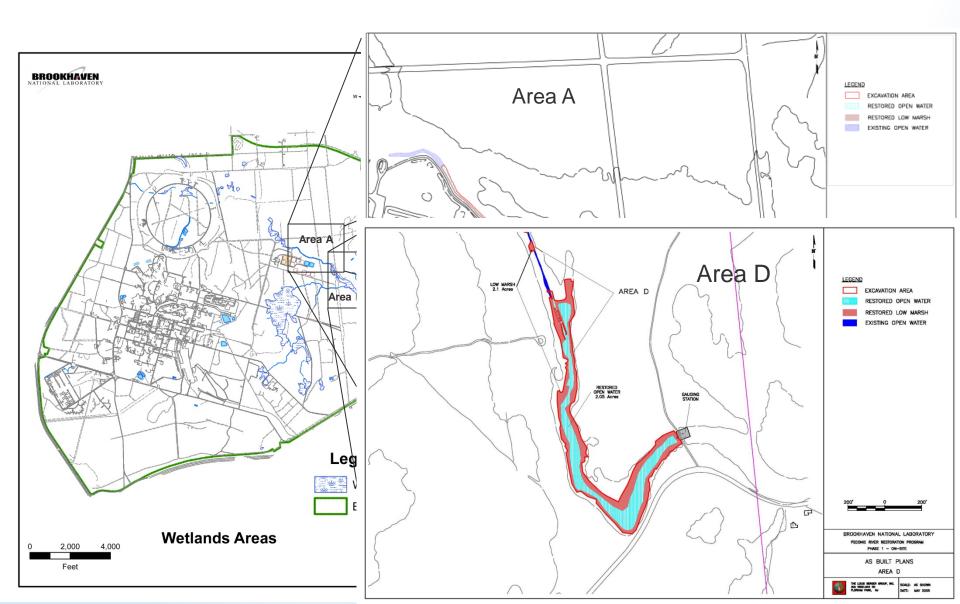


Peconic River Cleanup

- 2004-2005 ~20 acres cleaned up and restored
- 2004 on site Sewage Treatment Plant outfall to North Street
- 2005 off site
 - Area D
 - Area E
 - Area P Schultz Rd Area
 - Manor Rd Area
- 2010-2011 ~0.4 acre supplemental cleanup



Extent of cleanup maps



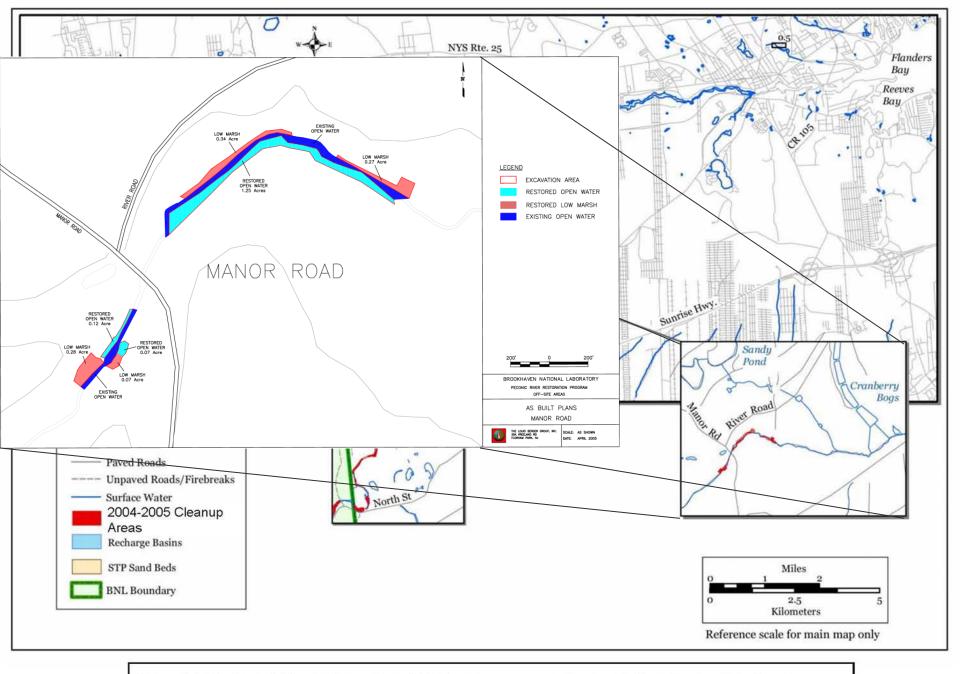
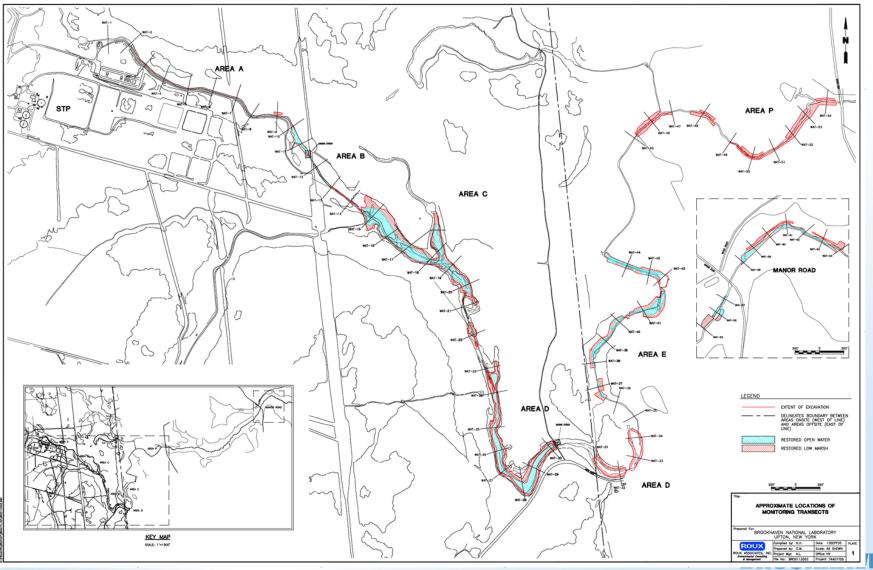


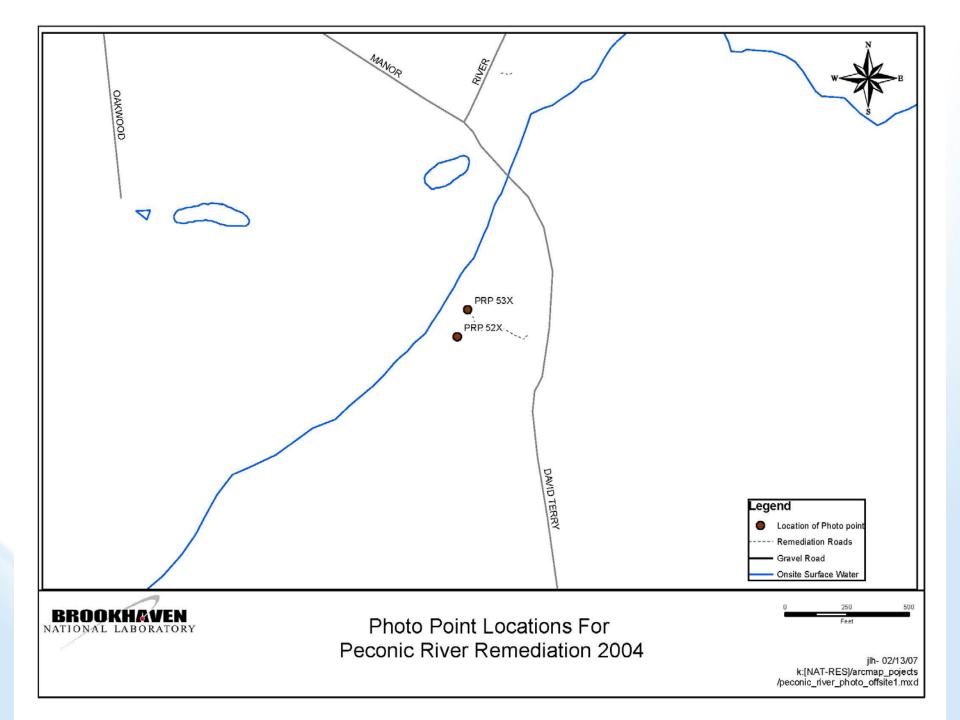
Figure 1-1. The Peconic River. The sections of the river that were remediated are indicated in the two call-out boxes, These two sections are shown in detail in Figures 1-2 and 1-3.

Restoration Monitoring



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Peconic Wetland Revegetation Success

- Following 2004/2005 Original Cleanup
 - NYSDEC wetland permit requirements for revegetation and invasive species control were met in 2006 and approved in 2007
 - Federal invasive species monitoring and control requirements were met in 2008
- Following 2010/2011 Supplemental Cleanup of 3 Areas
 - NYSDEC wetland permit requirements for revegetation and invasive species control were met in 2012 and approved in 2013
 - Federal invasive species monitoring and control requirements were met in 2014.



CAC Tour Nov 2009





9









2004



2005







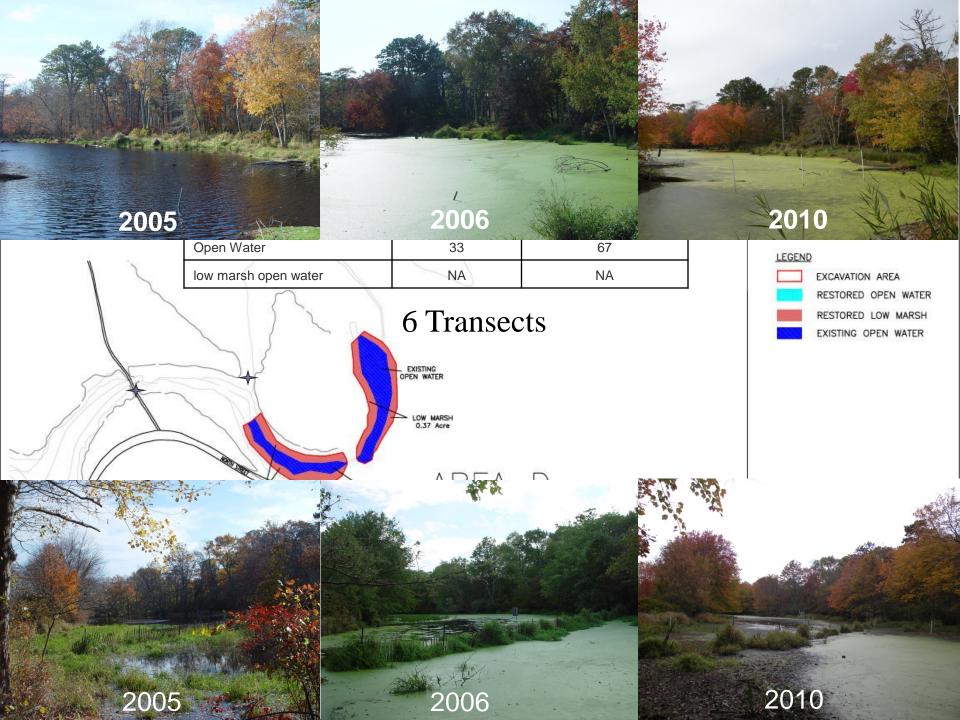
RESTORED LOW MARSH EXISTING OPEN WATER

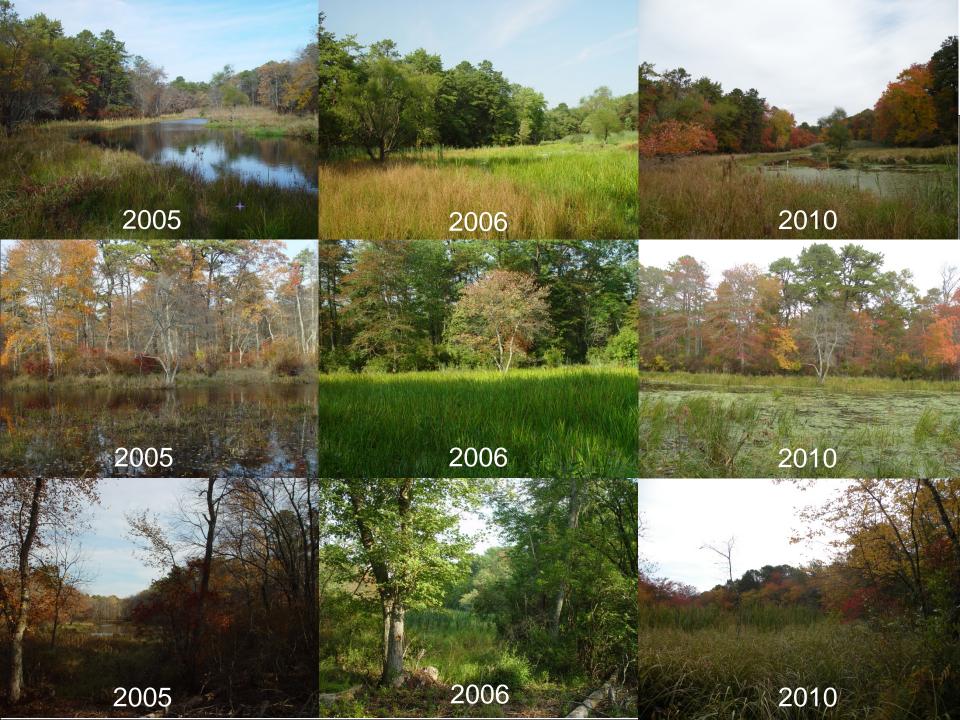
D (on site)
% non-vegetated
33
6
28
NA

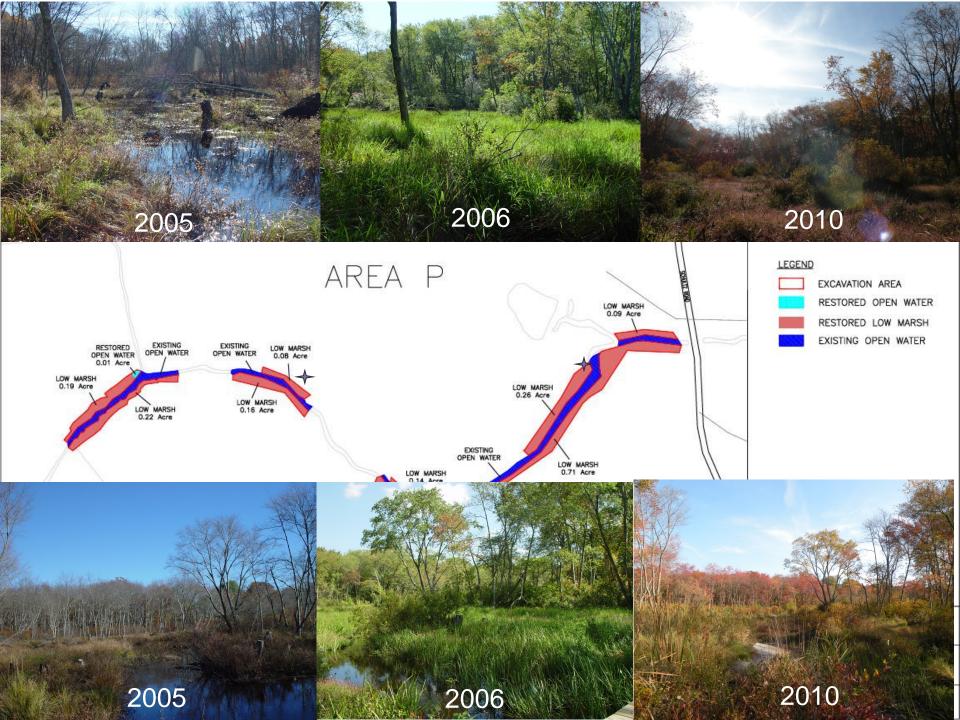


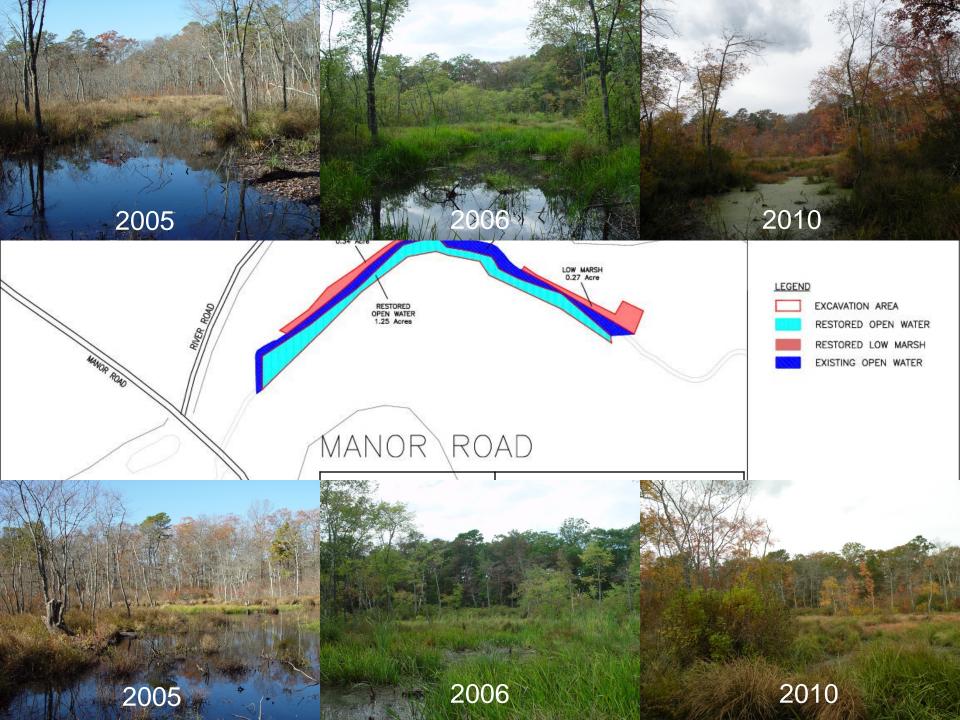
and the

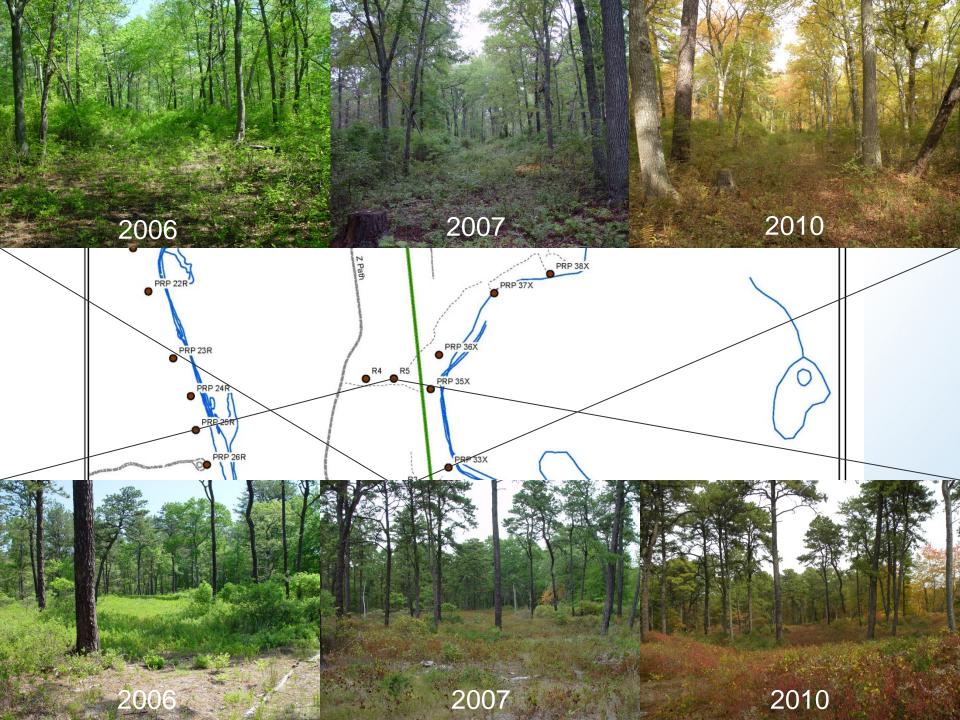












Supplemental Cleanup PR-WC-06



12/2010 looking downstream Area 6 during cleanup



7/2011 transplanting looking downstream Area 6



6/2014 Area 6 area looking downstream (panoramic)



Supplemental Cleanup Sediment Trap



9/2009 before removal



1/2011 during removal



6/2014 former Sed Trap area looking downstream (panoramic)

0

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19



Supplemental Cleanup PR-SS-15



9/2009 Area 15 looking upstream



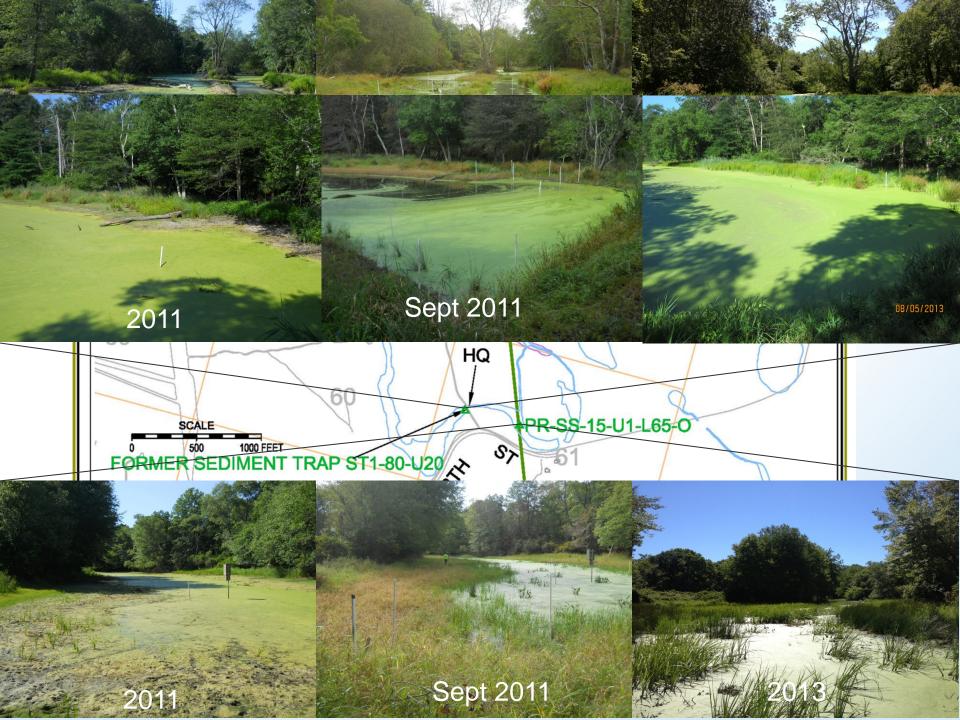
1/2011 well points for dewatering just prior to excavation looking upstream

20



8/2014 Area 15 looking upstream (panoramic)





Summary

- Initial Cleanup 2004 and 2005
 - ~20 acres
 - NYSDEC Permit requirements met and approved by 2007
 - Federal vegetation monitoring requirements met 2008
- Supplemental Cleanup Winter 2010/2011
 - ~0.4 acres
 - NYSDEC Permit requirements met and approved by 2013
 - Federal vegetation monitoring requirements met 2014



Questions?





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