

# Preparing for Climate Change in New Jersey: Preparing our Infrastructure

Lands Management and Stewardship











# Preparing our Infras

Lands Management and Stewardship



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# 2009 -2011 Carbon Sequestration Demonstration Projects Conservation Resources in partnership with Elizabethtown Gas Company/AGL and PSEG The second control of the second con

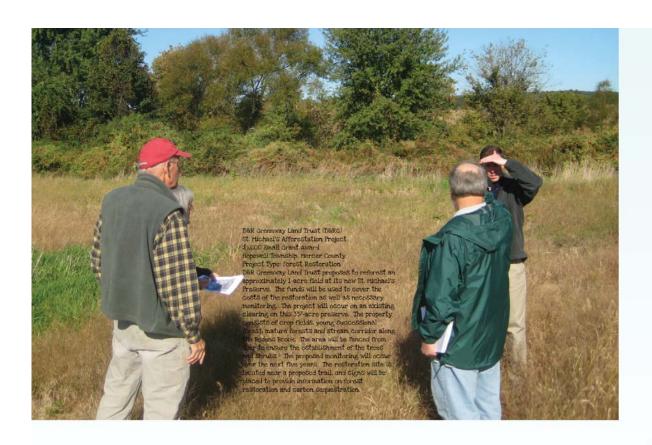


New Jersey Audubon Society (NJAS) wattles Preserve \$7,500 Small Grant Award Mansfield Township, Warren County Project Type:Grassland Restoration New Jersey Audubon Society is restoring 40 acres of warm seasongrasses at their recently acquired Wattles Preserve. This preserve will serve as the new location of the NJAS Conservation Program. The warmseason grasses will be harvested and pelletized and used to fuel a biomasspellet furnace that will heat the new NJAS offices. The grant funds will be used to pay for the restoration project as well as proposed monitoring of the biomass harvested at the site - one measure of the amount of carbon sequestered.





Township of Woodbridge Pin Oak Afforestation Project \$5,000 Small Grant Award Woodbridge Township, Middlesex County Project Type:Forest Restoration Woodbridge Township in partnership with its Environmental Commission and the non-profit Woodbridge River Watch plans to afforest 2-3 acres of the headwaters of the Woodbridge River. The funds will be used to purchase native trees that will be planted by the local public works department on the 97-acre Pin-Oak Forest at Avenel -protected by Middlesex County in 2003. The grant will also support establishment of baseline monitoring for this project. Woodbridge Township has been active in the Sustainable Jersey Program and working to gain recognition for its efforts. This proposed forest restoration project will complement their efforts to create a sustainable community.



### 2009 NJDEP Local Government Greenhouse Gas Reduction Program

Conservation Resources and Conserve Wildlife Foundation





Otto Parin Park

Moriding, in partnership with Hillisborough Township to afforesi
Fo acres with trees and shrubs. Portion of Otto Parin Park
(Downship Park) that was marginal farmland most recently
planted in occur.



Otto Parm Park
While the project was not funded through the LOGRP (Source funding
was reschieded), the project was funded through the CRI - RepitarPicianont Midlink Habitat Partnership (RRMP) to implement the
RPMP Porest Conservation Management Plan

### Conservation Resources and Conserve Wildlife Foundation



Otto Farm Park
Working in partnership with Hillsborough Township to afforest
7.6 acres with trees and shrubs. Portion of Otto Farm Park
(Township Park) that was marginal farmland most recently
planted in corn.

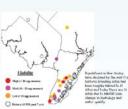


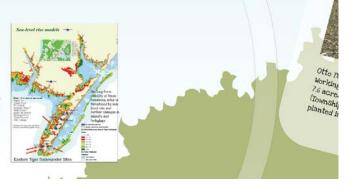
Otto Farm Park
While the project was not funded through the LGGRP (source funding
was rescinded), the project was funded through the CRI - KaritanPiedmont Wildlife Habitat Partnership (RPWHP) to implement the
RPWHP Forest Conservation Management Plan
Otto Farm Park

### 2010 Planning for Climate Change:

Enhancing Habitat for Eastern Tiger Salamanders





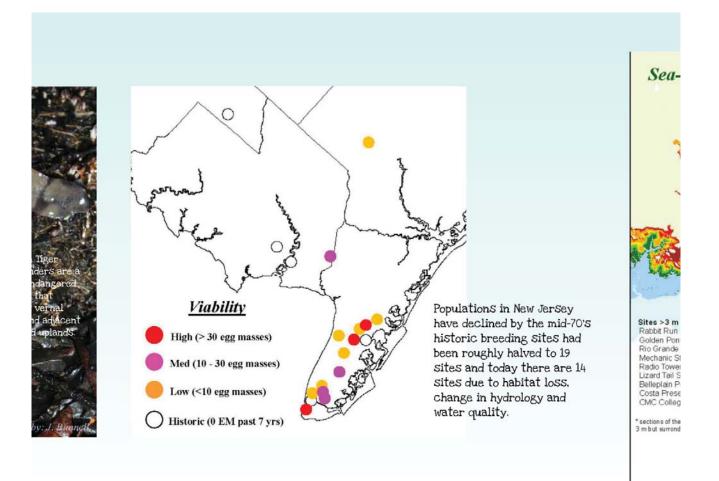


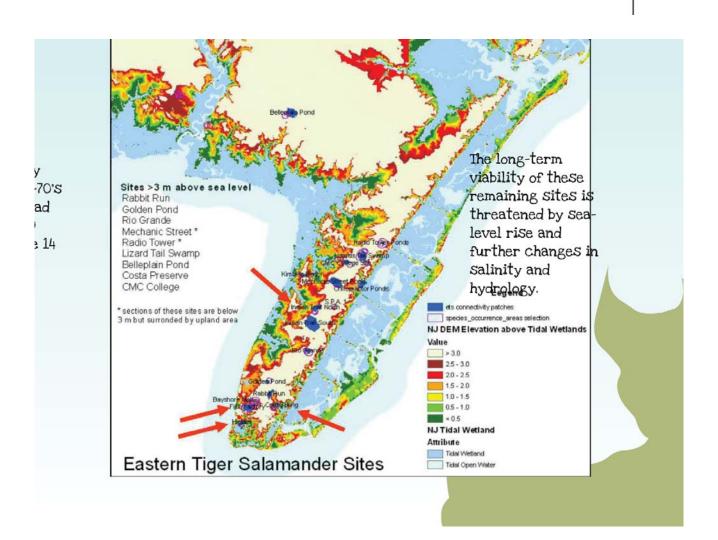




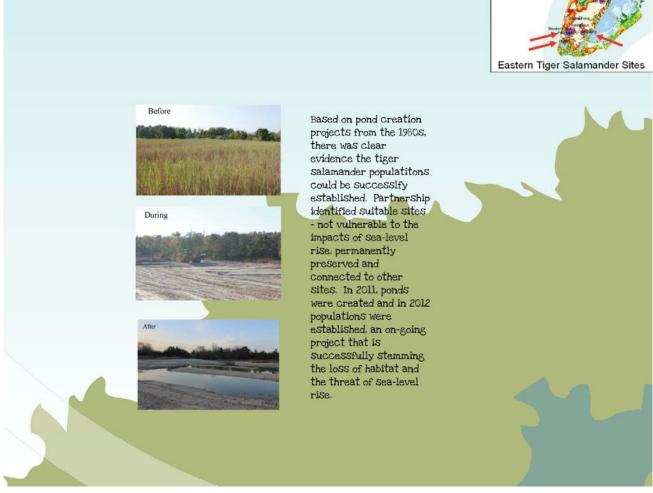
Low (<10 ¢

Historic (0











Mercer County and Friends of Hopewell Valley Open Space







Implementation of the RPWHP Forest Conservation Plan - Restoration and afforestation of 40 acres of fallow field at Baldpate Mountain at the 109 acre Hollystone tract.

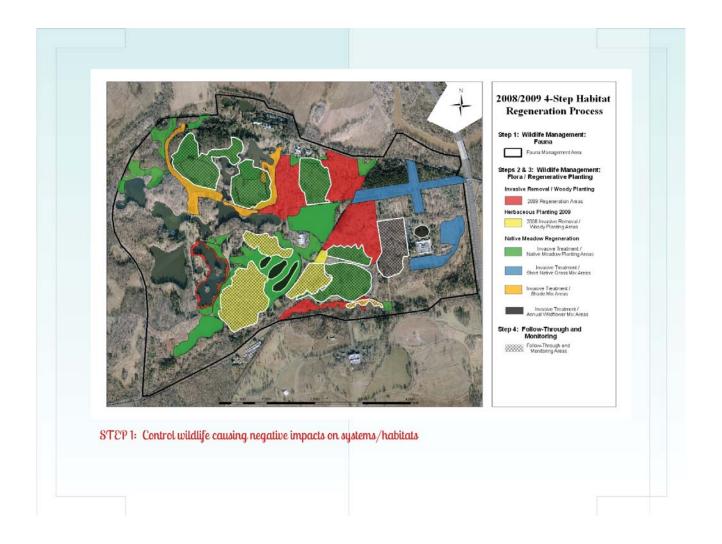
Required soil amendments and use of subsoiler to restore agricultural soils to new forest system.

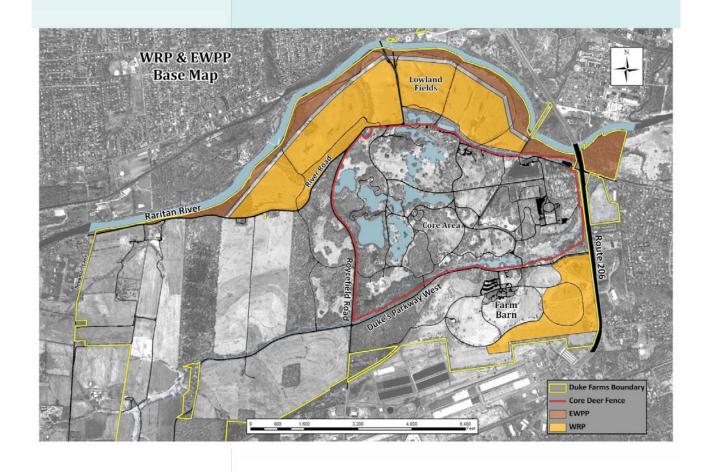
CRI understood the need to not only fund projects, but fund the learning from the projects. Worked with Rutgers scientist and NJDEP scientists to prepare carbon baselines for each project.

### Monitoring

# Lands Management and Ste

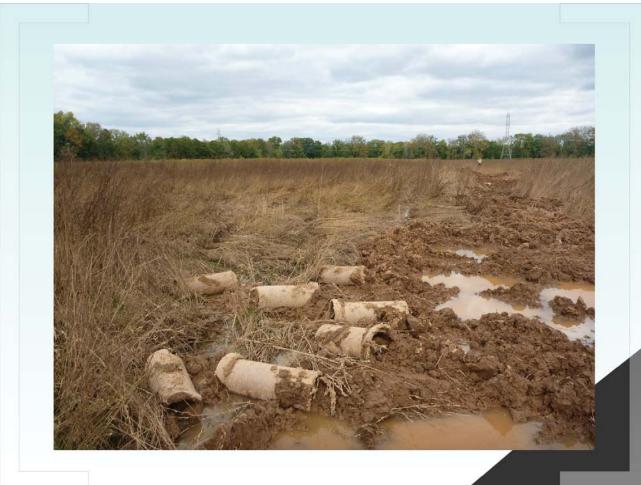














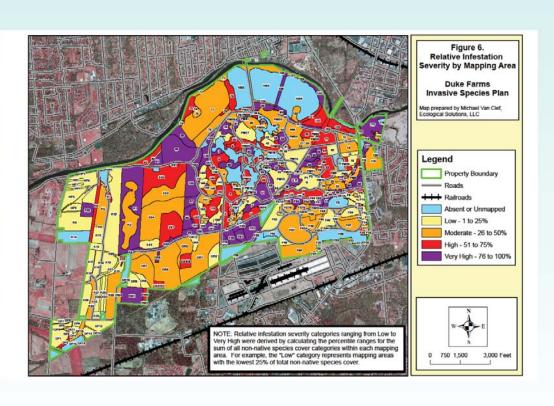
















Bringing back a native shrub layer



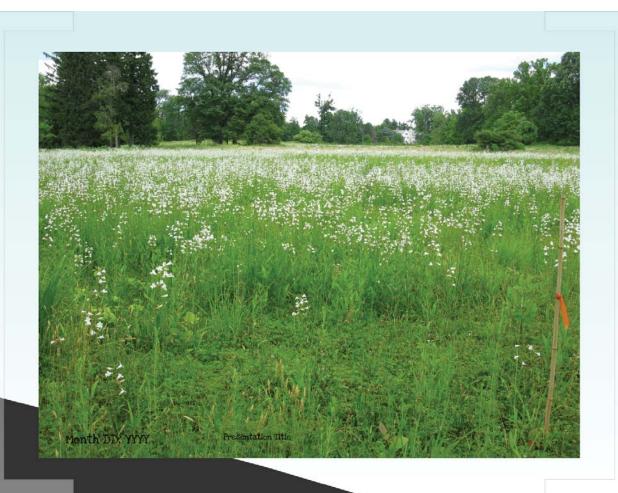




Production houses converted to native plant growing area.



Over 125 acres of former lawn converted to pollinator meadows & Over 350 acres hay and crop fields planted with native grasses and forbs





- · #Of acres of public land
  - · acres of federal
  - · acres of state
  - · acres of county
  - · acres of local
- · # of acres of private opens space
- · How do we manage these lands to increase resiliency?
- Still no management plans for public lands to address how they should be managed and for what - the RGGI funds to do this would have set the stage for more aggressive solutions to climate change in land management.

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How can existing preserved lands add to the overall resiliency of the landscape?

Are there key pieces of land that need to be added and where?