FRI-C01 Forest Sustainability and Stewardship: Taxes, Warblers, Jobs, and Logs in New Jersey

Find out how a landscape architect, New Jersey Audubon, and Metro Wood Group are working together to overcome human alterations to the forest in the New Jersey Highlands, create habitat, rediscover the timber industry, generate jobs, and create a brand-driven business.

John Carlton is the sole proprietor of Carlton Design (http://carltondesigngroup.com) and has provided a range of landscape architectural services for the City of Newark, New Jersey in its 33,000 acre watershed. His work has included regional planning, land development, expert testimony in land valuation, sustainable design, and land management.

John Cecil is Vice President for Stewardship for New Jersey Audubon (http://www.njaudubon.org), where he provides leadership and oversight to New Jersey Audubon’s stewardship related activities. Prior to joining New Jersey Audubon, John spent approximately 11 years with the National Audubon Society as the national Director of the Important Bird Areas Program.

Stubby Warmbold and his wife Maria, co-founded Metro Wood Group (http://metrowoodgroup.com) in 1991. They are innovative urban forestry pioneers whose mission is to save trees from being dumped in landfills, cut for firewood, or ground up for mulch. In the process they provide a valuable source of quality lumber, cabinetry, millwork and a wide variety of finished wood products.

**Learning Objective**

1) Appreciate the economics of large-scale land conservation, from tax considerations and conservation easements to forestry.
2) Know the goals and requirements of obtaining Forest Stewardship Certification from the Rainforest Alliance.
3) Understand the economic, climate, and environmental changes seen in the last 30 years on large forest tracts in suburban New Jersey.
4) Learn about efforts to create a sustainably managed, healthy forest by using alternative funding sources and creating a premium brand.
1. Large Scale Land Management Carlton Design

   Newark’s Watershed- a Case Study
   Tax Considerations
   Historical Plans
   Surplus Lands
   Tax Appeals
   Conservation Easements
   Spots, Greenways, Forest Legacy
   Forestry
   Old Markets and Politics
   Habitat and the Rainforest Alliance
   New Partners and Markets

2. Modern Forestry-NJ Audubon

   Conserving New Jersey’s Forests
   Historic Change in Land Cover
   Forest Health Issues
   National Forest Issues
   Age of the New Jersey Forest
   Decline of Young Forests
   Habitat Implications
   Rainforest Alliance and Forest Stewardship Certification
   Case Studies
   Policy Needs and Next Steps
3. Modern Wood Products and Markets-MetroWood

Introduction:

Black Locust Lumber:
- Native US species
- Rot resistant
- Replacement for Rain Forrest wood
- Notable Jobs and Projects

Urban Forestry:
- Notable Projects: Morris Arboretum, Ft.Belvoir, Philadelphia Youth Center….

Citilog Newark model:
- Creating Jobs
- 100 % Carbon Neutral
- Creating Green Power
- Social / Educational programs
- Potential for other Urban areas

BioMacht:
- ORC technology
- Biomass model
- Using Urban Wood waste for Green Power

Other Applications and Sources

Conclusion

Summary
Questions & Answers