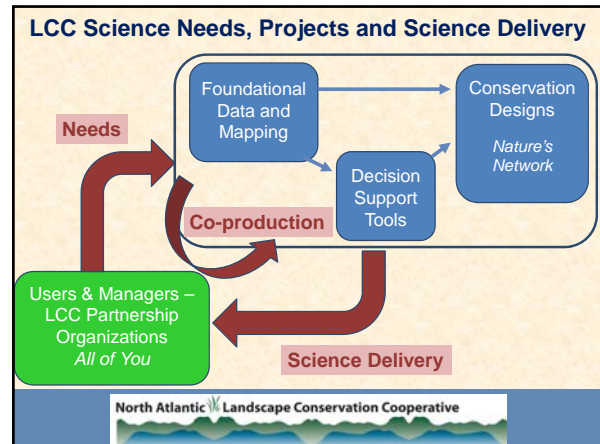


Update on North Atlantic LCC Science Projects and Science Delivery

Steering Committee Meeting
April 12, 2017



North Atlantic Landscape Conservation Cooperative



Ways to Access LCC Products and Tools

"Products" Site on NALCC webpage

Spatial Data on Conservation Planning Atlas (DataBasin)

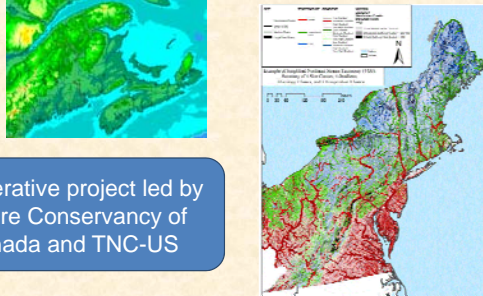


25 entries to date, many with multiple items

- Several hundred datasets that cover Northeast
- Galleries and workspaces for partners

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Northeast Aquatic Classification - Canada



Cooperative project led by Nature Conservancy of Canada and TNC-US


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Products from many LCC projects feed into *Nature's Network* (formerly RCOAs)

UMass *Designing Sustainable Landscapes*

The Nature Conservancy RCN (NEAFWA) & LCC products


USGS and other products



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North Atlantic Aquatic Connectivity Collaborative

- 15,000 road-stream crossing surveys from Maine added
- Database now > 60,000 records – extensive records from ME, NH, VT, MA, CT, MA, RI, NY, NJ and PA
- Barrier assessment tool for anadromous fish complete, others in development




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Regional Stream Temperature Database and Tools

Interactive Catchment Explorer


- Stream temperature predictions and much more for 386,000 catchments
- Tens of thousands of stream temperature records



SHEDS: INTERACTIVE CATCHMENT EXPLORER

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Identifying Resilient Sites for Coastal Conservation



- Identify coastal areas that will be the most resilient to climate change and create tools to explore where conservation strategies will have the greatest benefit on sustaining natural diversity.
- A site's resilience is estimated from its physical characteristics and current condition.

The Nature Conservancy
Protecting nature. Preserving life.

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Coastal Resilience Results: Highest Scoring Lagoon

Currituck Sound, NC

Tidal Complex/Migration Space

- Large migration space (1100 acres)
- High % shared migration space edge (17%)
- Large tidal complex (1584 acres)
- Complex shoreline
- No hardened shoreline
- Good water quality (above avg.)

Buffer Area (718 acres)

- Relatively high coastal landform variety
- High natural land cover
- High wetland connectivity

Total Complex Z-Score Categories

- Far Above Average
- Above Average
- Slightly Above Average
- Average
- Slightly Below Average
- Below Average
- Far Below Average

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Saltmarsh Prioritization Layer for Tidal Marsh Bird Conservation

Prioritization Scenarios

CLRA WILL NESP SALS SESP STMB

Conservation Target: 90% of SALS

Selection Frequency

Low High

Conservation Target: 90% of SALS, SESP, NESP, CLRA and WILL

Selection Frequency

Low High

- Salt marsh Habitat and Avian Research Program (SHARP)

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Demonstration Project: Enhanced stewardship for priority habitats and species

Wildlife Conservation Society

WCS

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Land Use Planning Tools for Municipalities in New York State

9 Case Studies

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Conserving Nature in a Changing Climate: A Guide for Land Trusts in the Northeast

OPEN SPACE INSTITUTE

Project completed in 2016

<http://climatechange.lta.org/resilience-guide/>

The guide will be distributed via a new circuit rider land trust training program:

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