



Handout 4b

Foundational Mapping: Northeast Terrestrial Habitat Map

North Atlantic LCC Role	Support revising NEAFWA-sponsored project by TNC and UMass
Products	Classified terrestrial habitat map
Available Now	Virginia revisions (2012)
Available within 3-6 months	<ul style="list-style-type: none"> • Revisions to reflect roads, streams, & 2006 development • Revisions to reflect revised coastal NWI
Longer Term	Expansion to Canadian portion of LCC (2015)



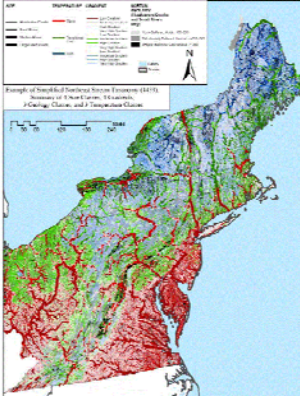



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Foundational Mapping: Northeast Aquatic Classification

North Atlantic LCC Role	NEAFWA Project; support TNC revisions to streams (tidal component) and lakes
Products	Classification of Northeast streams and lakes
Available Now	Stream classification including new tidal component + guide
Available within 3-6 months	Enhanced lake classification including lake depth
Longer Term	






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Foundational Mapping: Coastal and Marine Ecological Classification

North Atlantic LCC Role	Sponsoring project by TNC, Mass. DFG, and U. of RI
Products	Report and maps testing the classification at 3 spatial scales
Available Now	Crosswalk of ecosystem types and draft maps
Available within 3-6 months	Final maps and report
Longer Term	Future phases could include full mapping of North Atlantic




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Foundational Mapping: Rapid Update to National Wetlands Inventory

North Atlantic LCC Role	Sponsoring update to NWI for coastal areas
Products	Updated wetland mapping in 153 coastal areas in 6 states
Available Now	Project is complete (Sept. 2013)
Available within 3-6 months	
Longer Term	





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Foundational Mapping: Compilation of Regional Vernal Pool Data

North Atlantic LCC Role	Sponsoring project; selection to be made Nov. 5, 2013
Products	Regional GIS dataset of locations of potential or documented vernal pools
Available Now	(not started)
Available within 3-6 months	
Longer Term	Complete dataset and report



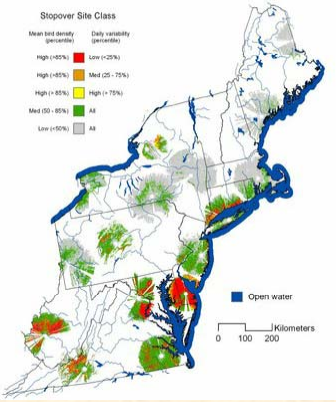



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Foundational Mapping: Important Migratory Landbird Stopover Sites

North Atlantic LCC Role	Co-sponsoring with USFWS, MD, USGS, U. of DE, VCU, TNC, NASA
Products	Improved models of important fall migration stopover sites
Available Now	
Available within 3-6 months	
Longer Term	Complete report and maps




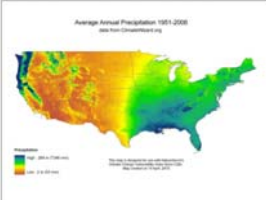




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Vulnerability Assessments: Species Vulnerability to Climate Change

North Atlantic LCC Role	Supporting assessment by NatureServe using Climate Change Vulnerability Index (CCVI)
Products	Report on vulnerability of 64 high regional concern, representative, and foundational species
Available Now	Draft report being reviewed
Available within 3-6 months	Final report
Longer Term	








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Vulnerability Assessments: Habitat Vulnerability to Climate Change

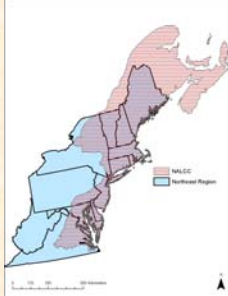

North Atlantic LCC Role	Completing NEAFWA-sponsored project by Manomet/NWF
Products	3 reports: terrestrial/wetland; cold water; and coastal habitats
Available Now	Reports presented to NEAFWA; northeast climate database (neclimateus.org)
Available within 3-6 months	Revised reports to reflect peer review
Longer Term	

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Conservation Design: *Designing Sustainable Landscapes*

North Atlantic LCC Role	Sponsoring project led by UMass Amherst	 
Products	Extensive spatial datasets, current and future species capability and ecological integrity, decision support tool for landscape design	
Available Now	Selected spatial data for entire Northeast, including climate	
Available within 3-6 months	<ul style="list-style-type: none"> • Additional regional spatial data • Regional models for 10 rep. species • Pilot design effort in CT River watershed 	
Longer Term	Complete datasets, regional & subregional landscape conservation design tools (June 2014)	

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Conservation Design: Aquatic and Coastal Decision Support Tools


North Atlantic LCC Role	Sponsoring projects led by USGS and Downstream Strategies	 
Products	Aquatic data and species models, forecasts and decision support tools	
Available Now	Prototype web tool for stream conditions, climate change, and brook trout occurrence	
Available within 3-6 months	<ul style="list-style-type: none"> • Projections of future stream flow and temperature • Brook trout forecasts • Pilot models for 2 other species 	
Longer Term	Multi-species decision support tools for restoration and conservation	


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Conservation Design: Priority Amphibian and Reptile Conservation Areas (PARCAs)

North Atlantic LCC Role	Sponsoring project led by State of Maine, U. of Maine, and Clemson
Products	Species models for 60+ priority herp. species; PARCA report
Available Now	Pilot species models for Maine
Available within 3-6 months	<ul style="list-style-type: none"> • Regional species models • C.C. Vulnerability reviews
Longer Term	Full PARCA report and recommendations

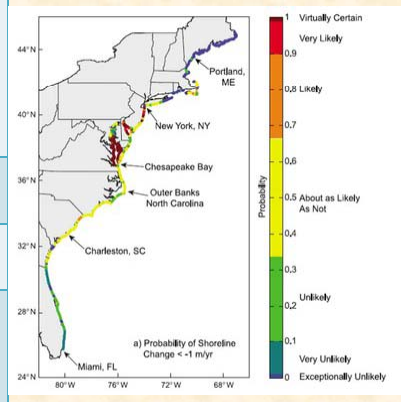





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Conservation Design: Decision Support Tools for Sea-level Rise Impacts

North Atlantic LCC Role	NE Climate Science Center project to USGS; LCC facilitated model development through structured decision making
Products	Geospatial data on SLR, decision support models
Available Now	
Available within 3-6 months	Initial regional decision model
Longer Term	Reports, tools, and recommendations







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Conservation Design: Permeable Landscapes for SGCNs

North Atlantic LCC Role	Sponsoring project by TNC
Products	Report and dataset on relative permeability (connectivity) of landscape for SGCNs
Available Now	
Available within 3-6 months	Initial datasets and results
Longer Term	Final report and data (Spring 2014)







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Conservation Design: Piping Plovers and Sea-level Rise

North Atlantic LCC Role	Sponsoring project by Virginia Tech
Products	Assessment of threats to Piping Plover from SLR and recommendations for habitat conservation
Available Now	
Available within 3-6 months	Final report including case studies (Dec. 2013)
Longer Term	

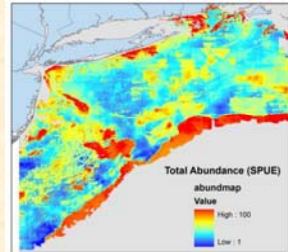




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Conservation Design: Marine Bird Mapping and Risk Assessment

North Atlantic LCC Role	Sponsoring a project by NC State U., NOAA, BRI, CSI/CUNY
Products	Mapping of seasonal seabird abundance to inform marine planning
Available Now	
Available within 3-6 months	Final report and maps (Dec. 2013)
Longer Term	



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