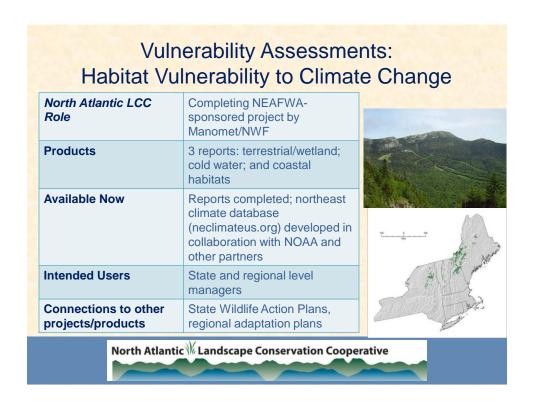
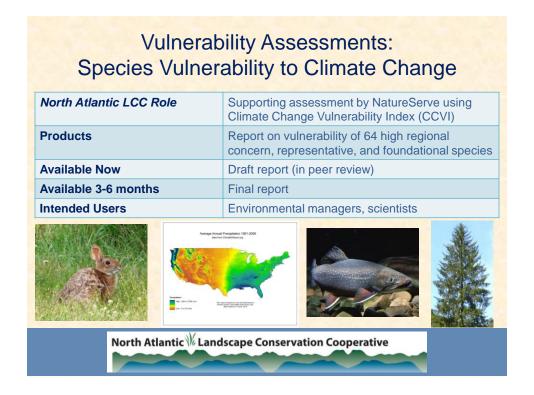


Compila	Foundational Mapping tion of Regional Vernal	
North Atlantic LCC Role	Sponsoring project by Vermont Center for Ecostudies and UVM (initiated Jan. 2014)	
Products	Regional GIS dataset of locations of potential or documented vernal pools; methods for remote sensing location of pools	
Available Now	Unified database structure, Remote sensing demonstrations by webinar	3
Longer Term	Complete report and dataset on NALCC Conservation Planning Atlas (Dec. 2015)	
Intended Users	Organizations for amphibian, reptile, and vernal pool conservation	
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NOTE	neast Terrestrial Habita	liviap
North Atlantic LCC Role	Support revising NEAFWA-sponsored project by TNC and UMass	YOU I
Products	Classified terrestrial habitat map	- Aller State of Stat
Available Now	Virginia revisions (2012) March 2014: UMass enhancements to reflect roads, streams, 2006 development, and revised coastal NWI	
Available 3-6 months	Expansion to Canadian portion of LCC (2015)	
Intended Users	Many organizations involved in conservation planning & design; Canadian and trans-boundary partners	
Connections to other projects/products	Foundational dataset for Designing Sustainable Landscapes	

North Atlantic LCC Role	Sponsoring project by TNC, Mass. DFG, and URI; coordination with NROC	*
Products	Report, crosswalk and maps testing the classification at 3 spatial scales	Carbon Ledge Comment of the Comment
Available Now	Peer-reviewed final report; spreadsheet with crosswalks; CMECS maps with habitats classified at the regional subregional, and local scales	Composition The Compos
Intended Users	NROC, MARCO, state & federal agencies that are mapping, environmental managers	Annual States

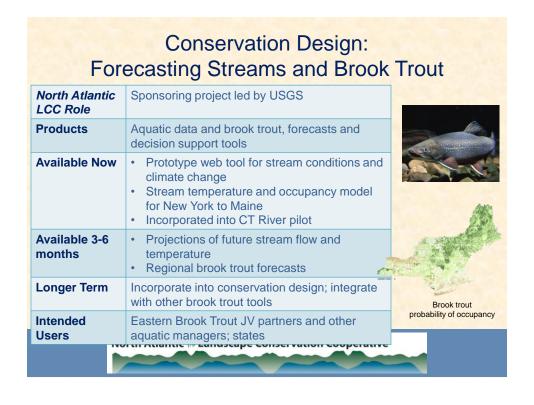






De	Conservation Design: esigning Sustainable Landso	capes
North Atlantic LCC Role	Sponsoring project led by UMass Amherst	
Products	Extensive spatial datasets, current and future species capability and ecological integrity, decision support tool for landscape design	
Available Now	Many spatial datasets for entire Northeast, regional models for 15 species, pilot design in CT River watershed	McCo burbase figure
Available 3-6 months	Additional regional spatial dataRegional models for addt'l species	1 10 100 100 enumes
Longer Term	Work will enhance coastal components and use of tools by partners; pilot regional design is proposed	
Intended Users	State natural resource and planning agencies	
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Aquatic	Conservation Design: and Coastal Decision Sup	port Tool
North Atlantic LCC Role	Sponsoring project with Atlantic Coastal Fish Habitat Partnership, led by Downstream Strategies	
Products	Aquatic and coastal species models and decision support tools	
Available Now	Pilot models for brook trout in the Chesapeake Bay watershed and for winter flounder (Narragansett Bay)	Assessment
Available 3-6 months	Decision support tools for restoration and conservation available on-line for brook trout (Chesapeake Bay), winter flounder (Long Island Sound), and river herring (coastal rivers)	
Intended Users	Watershed planning, natural resource management agencies, fisheries managers	Habitat Assessment Medaling unstiments Study Area Tools
Connections to other projects/products	Forecasting changes in aquatic systems and resilience of brook trout	and the second of the second o
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Conservation Design: Priority Amphibian and Reptile Conservation Areas (PARCAs)

North Atlantic LCC Role	Sponsoring project led by U. of Maine and others	
Products	Species models for 60+ priority herps; report with priority areas identified	
Available Now	Climate niche models for 61 speciesPilot PARCAs for Maine	
Available 3-6 months	Projected loss of climate envelope for speciesClimate change vulnerability reviews	
Longer Term	Full PARCA report and recommendations (2016)	
Intended users	Northeast PARC, natural resource agencies and organizations	

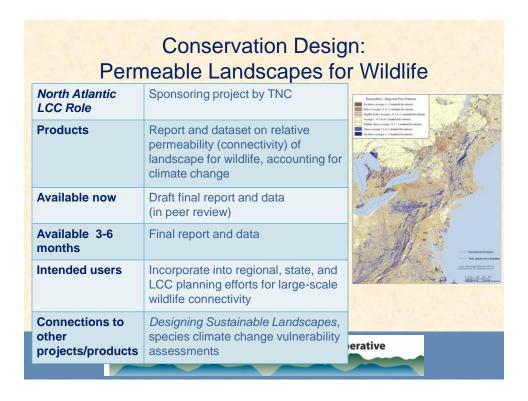


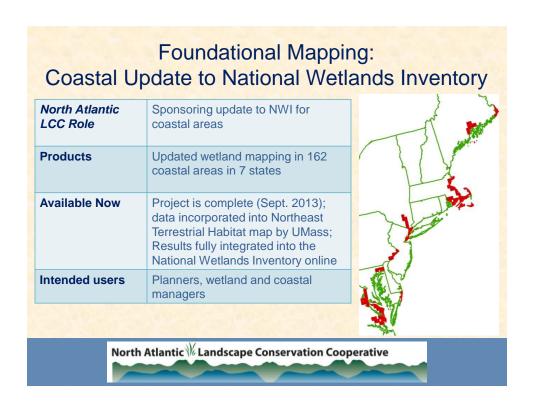
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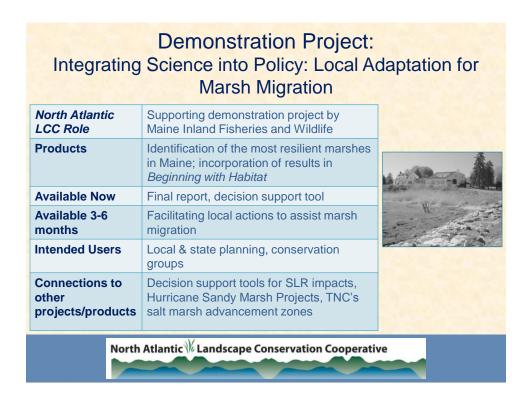
Conservation Design: Marine Bird Mapping and Risk Assessment

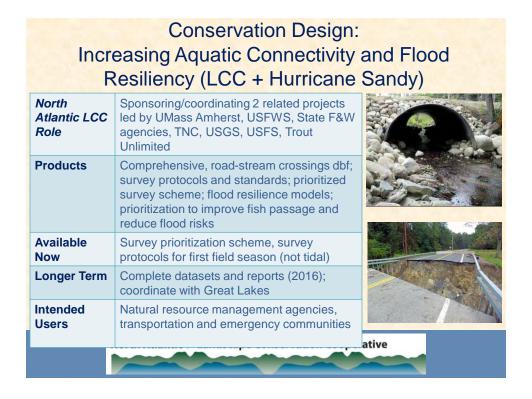
North Atlantic LCC Role	Sponsoring a project by NC State University, NOAA, BRI, CSI/CUNY	
Products	Mapping of seasonal seabird abundance of 24 species to inform marine planning	
Available Now	Final report; marine bird occurrence maps by species and season (pdf format)	Northern Gannet
Available 3-6 months	GIS ready data, metadata	100
Intended Users	Regional ocean planning for wind energy, aquaculture, marine infrastructure	December Pz

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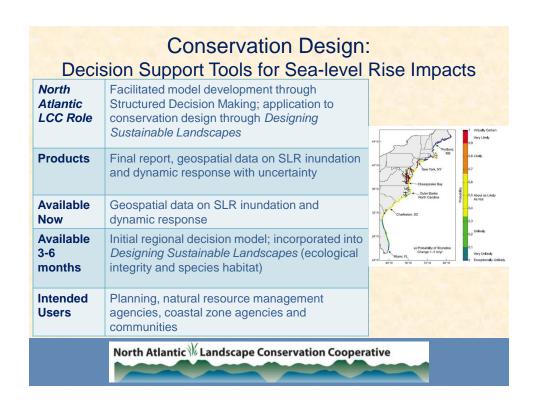






Increasing Resiliency & Improving Standards for Culverts & Road Stream Crossings to Future Floods While Restoring Aquatic Connectivity

- Coordination of regional team; consistent online database, regional protocols for assessing culvert condition and suitability for passage, passage assessment criteria
 - UMass. TNC
- Prioritization of road stream crossings for surveys, targeted surveys
 - TNC, UMass, FWS, Wildlife Management Institute, States
- Pilot project on vulnerability of road-stream crossings to future floods
 - UMass, NE Climate Science Center
- Training for states, towns
 - Trout Unlimited, FWS



Conservation Design: Increasing Resiliency of Tidal Marsh Habitats and Species in the Face of Storms & Sea Level Rise

North Atlantic LCC Role Coordinating overall project among P.I.s, LCC and CSC partners, and FWS, USGS, SHARP (UDel, UConn, UMaine, ME DIFW, SUNY), USC, UCF, UMass		16 2 18
Products	Regional maps and decision support models for tidal marsh restoration and management for habitats and species; evaluation of different marsh restoration approaches for increasing resiliency under different conditions	
Available 3-6 months	Consistent monitoring metrics; initial assessments of tidal marsh integrity	
Longer Term	Complete models and results delivered to partners (2016); initial post restoration results	
Intended Users	Natural resource management and planning agencies, species managers, NGO's	
		. –



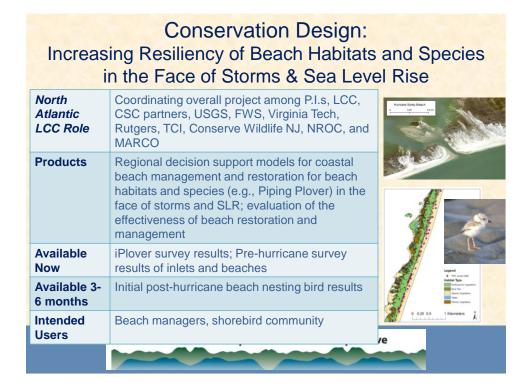


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Increasing Resiliency of Tidal Marsh Habitats Habitats and Species in the Face of Storms & SLR

- Develop/refine models for understanding future impacts of sea level rise and storms on tidal marshes and marsh species
 - Geological/physical response (USGS)
 - Marsh community response (USGS, USC, LSU)
 - Wildlife response (SHARP)
- Decision support models and incorporation into decision model framework
 - UMass, USGS, TNC
- High/low marsh mapping
 - SHARP (U Maine)
- Monitoring and assessment of effectiveness of restoration for marsh resiliency
 - USFWS, NPS, SHARP (U Maine, U Conn, U Del, SUNY)
- Delivery of results to partners
 - NROC, MARCO

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Increasing Resiliency of Beach Habitats and Species in the Face of Storms & Sea Level Rise

- Expand SLR response/plover model to Region
 - USGS, Virginia Tech
- Collect beach-nesting bird location and habitat data on NWRS and NPs
 - USFWS, NPS, USGS (iPlover)
- Inventory of beach and inlet modifications before and after H.S.
 - Terwilliger Consulting
- Assess effects of beach stabilization projects in NY& NJ on beach habitats and species
 - Virginia Tech, Rutgers, Conserve Wildlife NJ
- Deliver results to partners
 - Rutgers, NROC, MARCO

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