

Northe	Foundational Mappin ast Aquatic Classifica	tion – U.S.
North Atlantic LCC Role	NEAFWA Project; support TNC revisions to streams (tidal component) and lakes	Northeast Lake and Posed Classification Coupted in first attacheds: Temperature 4 Classes Temperature 4 Classes T
Products	Classification of Northeast streams and lakes	
Available Now	<ul> <li>Enhanced lake classification (final revised version January 2016) + guide</li> <li>Stream classification including new tidal component + guide</li> </ul>	ABAT
Intended Users and Uses	Agencies and NGOs working on state or regional aquatic conservation planning	NWX-
Connections to other projects	Foundational dataset for <i>Designing Sustainable Landscapes</i> , RCOAs	ZWENT
North A	tlantic <sup>W</sup> Landscape Conservation Coo	Final Revised Lakes & Pond Classification January 2016

Foundational Mapping: Northeast Aquatic Classification - Canada			
North Atlantic LCC Role	Sponsoring project led by Nature Conservancy of Canada		
Products	Classification of Southern Quebec and Atlantic Canada streams		
Available Now	Many compiled spatial datasets that are being used for the classification		
Longer Term	Consistent, classified stream network spanning Atlantic Canada and Northeast U.S.	Project Kick-off	
Intended Users and Uses	Agencies and NGOs working on state or regional conservation planning	Meeting with more than 10 partners December 2015	
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Foundational Mapping: Northeast Terrestrial Habitat Map		
North Atlantic LCC Role	Support revising NEAFWA-sponsored project by TNC and UMass	T-RU
Products	Classified terrestrial habitat map	1.1.17
Available Now	Expansion to Canadian portion of LCC (August 2015) March 2014: UMass enhancements to reflect roads, streams, development, and revised coastal NWI Virginia revisions (2012)	
Intended Users and Uses	Many organizations involved in conservation planning & design and climate adaptation; Canadian and U.S. partners working on trans- boundary conservation	Canada Expansion Completed Sept. 2015
Connections to other projects	Foundational dataset for <i>Designing</i> Sustainable Landscapes, RCOAs	•

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North Atlantic LCC Role	Sponsoring project by TNC	Persehilir Repend Hos Peters Hos engris C4 andre hannes Hos engris C4 andre hannes Hos engris C4 andre hannes Hos engris C4 andre hannes Hos C4 andre hannes Hos C4 and C4 andre hannes
Products	Report and dataset on relative permeability (connectivity) of landscape for wildlife, accounting for climate change	Management 1-1 and a loss of the second seco
Available now	Draft final report and data	CHE SHE
Available 3-6 months	Final report and data, integrated into RCOA project	a second
Intended Users and Uses	Incorporate into regional, state, and LCC planning efforts for large-scale wildlife connectivity and climate change adaptation	
Connections to other projects/products	Designing Sustainable Landscapes, RCOAs, species climate change vulnerability assessments	
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North Atlantic LCC Role	Sponsoring project by Vermont Center for Ecostudies and UVM (initiated Jan. 2014)	100
Products	Regional GIS dataset of locations of potential or documented vernal pools; methods for remote sensing location of pools	The
Available Now	Complete report and dataset on NALCC Conservation Planning Atlas	A landar
Available 3-6 months	Accepting additional vernal pool records	TEWIS
Intended Users and Uses	Organizations for amphibian, reptile, and vernal pool conservation	200
		Final Report & Data Released January 2016

Foundational Mapping: Important Migratory Landbird Stopover Sites			
North Atlantic LCC Role	Co-sponsoring with USFWS, MD, USGS, U. of DE (lead), VA, VCU, TNC, NASA	Stopover She Class	
Products	Improved models of important fall migration stopover sites, based on weather radar and field surveys	Registering         - article Registering           Registering         - dector: 27%           Registering         - dector: 27%           Registering         - dector: 27%           Leveleting         - dector: 27%	
Available Now	6 years of analyzed radar data; initial field survey results; preliminary report		
Longer Term	Complete report and maps	Copen water	
Intended Users and Uses	Bird habitat conservation managers at regional, state, and local levels to protect and manage key stopover sites		
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	Foundational Mappi Marine Birds	ng:
North Atlantic LCC Role	Sponsoring a project by NC State University, NOAA, BRI, CSI/CUNY	Venner Volkariene VORK VORK Australiane Au
Products	Mapping of seasonal seabird abundance of 24 species to inform marine planning	13 Jane 302 Taritary 102 Taritary 102 Tar
Available Now	Final report; marine bird occurrence maps by species and season	Northern Gannet
Intended Users and Uses	Regional ocean planning and risk assessment for wind energy, aquaculture, marine infrastructure by state and federal agencies and ocean partnerships	Final Report & Data Released Oct. 2015
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Foundational Data: Rare Plant Prioritization		
North Atlantic LCC Role	Sponsoring a project by NatureServe and partners	2
Products	Prioritization and assessment of vascular plants of conservation concern for region, including Atlantic Canada.	
Available Now	Comprehensive regional list of plants of conservation need in development	
Longer Term	Updated global and regional ranks, methodology and prioritization of conservation need (2017)	NEWIS
Intended Users and Uses	Federal and state agencies and other organizations that conserve native plant species	Project Started March 2016
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	Decision Support:		
In	Increasing Aquatic Connectivity and Flood		
Resilier	Resiliency (LCC + Hurricane Sandy + National LCC)		
North Atlantic LCC Role	Sponsoring/coordinating 4 related projects led by UMass Amherst, USFWS, State F&W agencies, TNC, USGS, USFS, Trout Unlimited		
Products	Comprehensive road-stream crossings dbf, survey protocols and prioritized survey scheme; trainings for implementation and use of these products; flood resilience models; prioritization to improve fish passage and reduce flood risks, trainings for towns		
Available Now	Final report from 1 <sup>st</sup> LCC funding; Survey prioritization scheme & protocols (not tidal); 2015 survey results; coordination with Great Lakes		
Longer Term	Web-based tool using culvert and dam data to generate aquatic connectivity prioritization value; structure condition assessment module; tidal module; complete datasets and reports; incorporation into prioritization tools		
Intended Users and Uses	Natural resource management agencies, transportation and emergency communities to assess and prioritize road stream crossing upgrades for connectivity and resilience		
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Decision Support: Tidally Influenced Road Stream Crossing Assessment and Prioritization		
North Atlantic LCC Role	Sponsoring project led by UMass Amherst	CARL .
Products	Synthesis of organism passage considerations at tidally influenced crossings (swimming capabilities, velocities and other physical constraints; summary of existing protocols), technical committee created, draft protocol, scoring system for passability	NEWI
Available Now	Draft field and desktop assessment criteria from NH/TNC project	
Longer Term	Incorporation into NAACC protocol, database, prioritization tools	
Intended Users and Uses	Natural resource management agencies, transportation and emergency communities to assess and prioritize road stream crossing upgrades for connectivity and resilience	
	or in Atlantic III canoscape conservation cooperativ	

For	Decision Support: ecasting Streams and Brook	Trout
North Atlantic LCC Role	Sponsoring project led by USGS	SHEDS: Interacting Catorinater Exercises menu Personal Sciences menu Persona
Products	Forecasts and decision support tools for stream temperature and brook trout	
Available Now	<ul> <li>Integrated Catchment Explorer that maps results (http://ice.ecosheds.org)</li> <li>Stream temperature projections from Virginia to Maine</li> <li>Brook trout occupancy New York to Maine</li> </ul>	M
Available 3-6 months	Regional brook trout forecasts	NEW
Longer Term	Incorporate into conservation design; integrate with other brook trout tools	Stream temperature
Intended Users and Uses	Eastern Brook Trout JV partners and other aquatic managers; states to prioritize watershed conservation and restoration actions	for Northeast U.S. March 2016 ice.ecosheds.org
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Decision Support: Aquatic and Coastal Decision Support Tool		
North Atlantic LCC Role	Sponsored project with Atlantic Coastal Fish Habitat Partnership, USFWS, EBTJV, TNC; led by Downstream Strategies & West Virginia U.	Velume X
Products	Aquatic and coastal species models and decision support tools to prioritize restoration and protection of fish habitat	VISUALIZATION RANKING FUTURING
Available Now	Decision support tools for restoration and conservation available on-line for brook trout (Chesapeake Bay Watershed), winter flounder (Long Island Sound, Narragansett Bay) and river herring (coastal rivers)	
Available 3-6 months	Additional training materials; training as requested	Fish Habitat Tool
Intended Users and Uses	Watershed and coastal restoration planning by natural resource management agencies, fisheries managers	Rolled Out February 2016 fishhabitattool.org
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Decision Support: River Corridor Assessment			
North Atlantic LCC Role	Sponsoring project with UMass Amherst and multi-partner RiverSmart Task Force		
Products	River corridor assessment methodology; GIS toolkit of river corridors that can be used to prioritize areas for actions to conserve natural and cultural resources	river <b>smart</b> communities	
Available Now	Project team is being organized	- WIX	
Longer Term	Final methodology and toolkit, including prioritization and climate projections (2017)	ZNEVI	
Intended Users and Uses	Natural and cultural resource management agencies, transportation and emergency communities	Project Started February 2016	
North Atlantic W Landscape Conservation Cooperative			

Conservation Design: Regional Conservation			
	<b>Opportunity Areas (RCOAs</b>	s)	CORF AREAS
North Atlantic LCC Role	Coordination and support for Northeast conservation design		RSGCN
Products	Northeast conservation design, including opportunity areas for Regional Species of		HABITATS
	Greatest Conservation Need (RSGCN), habitat restoration and management, and connectivity		RESTORATION
Available Now	Methodology document and interim products		CONNECTIVITY
Available 3-6 months	Version 1 for review by NALCC partners and others		
Longer Term	Full set of opportunity areas maps accessible via Conservation Atlas	-	
Intended Users and Uses	All partners engaged in SWAP implement- ation, land management, land protection		
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Conservation Design: Designing Sustainable Landscapes			
North Atlantic LCC Role	Sponsoring project led by UMass Amherst	Connect the CONNECTICUT	
Products	Extensive spatial datasets, current and future species capability and ecological integrity, decision support tool for landscape design	Access to Conserve and Conserve Texas and the server to th	
Available Now	<i>Connect the Connecticut</i> design; many spatial datasets for entire Northeast, regional models for 26 species	M	
Available 3-6 months	<ul> <li>Additional regional spatial data</li> <li>Regional models for additional species (total of 30)</li> </ul>	NEWY	
Longer Term	Supporting <i>Regional Conservation</i> <i>Opportunity Areas;</i> enhancing coastal components and use of tools by partners	Projected Development and Urban Growth	
Intended Users and Uses	Agencies and NGOs working on state or regional conservation planning	Completed March 2016	
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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 and partners: FWS, USGS, SHARP (UDel, UConn, UMaine, ME DIFW, SUNY), USC, LSU, UMass, TNC, NROC & MARCO	
Products	Regional maps and decision support models for tidal marsh restoration and management for habitats and species; evaluation of various marsh restoration approaches for increasing resiliency under different conditions	
Available now	Consistent monitoring metrics; initial assessments of tidal marsh integrity; correlations between ground based and airborne elevation observations; bathymetry for Plum Island estuary	
Longer Term	Complete models and results delivered to partners; initial post-restoration results	
Intended Users and Uses	Natural resource management and planning agencies, species managers, NGO's, land managers to plan for and address short and long term sea level rise and storm impacts	

Conservation Design: Increasing Resiliency of Beach Habitats and Species in the Face of Storms & Sea Level Rise			
North Atlantic LCC Role	Coordinating overall project among P.I.s and partners, CSC, USGS, FWS, Virginia Tech, Rutgers, TCI, Cons. Wild. NJ, NROC & MARCO	norman Samp Band <u>1</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u>	
Products	Regional decision support models for management and restoration for beach habitats and species (e.g., beach nesting birds- BNB) in the face of storms and SLR; evaluation of the effectiveness of beach restoration & management	and	
Available Now	iPlover survey results; Pre & post Sandy inventories of inlets and beaches; pre & post Sandy habitat availability in NJ for 4 beach nesting birds	-	
Longer term	Links between SLR scenarios, coastal geomorphology changes, BNB locations in local areas and overall impacts on populations; BNB habitat availability & recommended management strategies for NY & NJ		
Intended Users and Uses	Beach managers, coastal management and shorebird community, species recovery teams to plan for and address short and long term sea level rise and storm impacts		

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	<ul> <li>64 species distribution models &amp; 61 climate niche models</li> <li>Draft PARCAs provided to states for review in Sept. 2015</li> </ul>	The street	
Available 3-6 months	Full PARCA report and recommendations		
Intended Users and Uses	Northeast PARC, natural resource agencies and organizations to manage and protect important areas for herpetofauna		
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Multi-LCC projects - Atlantic and Gulf Coast Resiliency Project		
North Atlantic LCC Role	Leading multi-LCC effort (6 LCC's, 2 Climate Science Centers	
Products	Synthesis of tools and information to coastal decision makers Thresholds of susceptibility to SLR and storms for 44 Atlantic/Gulf Coast/Caribbean priority conservation species Review of coastal ecosystem services for ecological and human resilience planning	
Available Now	DOI coastal resilience advisory and core teams; compilation of coastal resilience resources & tools	Emily Powell, Coastal Resilience
Available 3-6 months	Species thresholds tables, full draft of reports	Research Associate
Longer Term	Final products above	
Intended Users and Uses	Coastal conservation partners and communities	
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