







# **NALCC Science Delivery**

Steven Fuller, Lori Pelech NALCC, Renee Farnsworth

## Steering Committee Meeting, October 2014



The Wildlife Management Institute



## First, we developed a consistent framework for planning





### Background

•The goal of the Science Delivery Team is to guide the implementation and application of science products at multiple scales across the NA LCC region

•The North Atlantic LCC Science Delivery team met several times via conference call between June and October 2013 and proposed a structure that supports staff to build a program, information management support, and a grant program to fund science demonstration and delivery projections.

•The team has included over 30 members each representing different delivery functions in federal agencies, state agencies, national NGOs, regional NGOs, watershed groups and others.

•In the spring of 2014, 4 Science Delivery Grants were awarded totaling \$320,000.

Need 1: Science Delivery Program Development and Capacity		Who/ How	Capacity/
		1.	Grant
1.0	All scales: Maintain a team, staff capacity and contracts sufficient to develop	LCC staff, trained	Capacity
	and implement a program of science delivery employing translation, technical	technical	and
1	assistance, training, targeted outreach, and demonstration projects to ensure	assistance	contracts
	the delivery and adoption of landscape conservation science.	partners	
			1.00
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			0
1.1	All scales: Translate science and data to meet user needs and provide	LCC staff, trained	Capacity
-	technical assistance on landscape conservation science including training	partners	and
	(training the trainers), workshops, and facilitated application of tools. This	1000	contracts
	activity is part technical and part interactive, involving custom GIS, data		
	summary, and synthesis of science results to meet the needs of and learn from		
1.5	specific audiences and applications.		
1.2	Regional and Sub-regional: Conduct workshops with users to provide	LCC staff, partners,	Capacity
1	information and get feedback on the most effective way to integrate	facilitators	and
	information and to provide training on tools.		contracts

Need 1 (continued):	: Science Delivery Program Development and Capacity		Capacity/
		200	Grant
1.3	All Scales: Actively seek input from species partnerships and	LCC staff,	Capacity
	conservation initiatives and provide them with data, maps, and	science	
THREE BEER	other regionally-consistent spatial information that meet their	project PIs	2 1 U R
	needs.		
1.4	All Scales: Develop or enhance networks of people to deliver	LCC staff	Capacity
	science to address specific resource questions, needs, and audiences	11111	
	such as land use, fisheries, species mgmt, forestry, water resources.		
	Identify state and NGO partners already working with those	2.00	
	audiences, and identify key adopters and strategies for adoption.		
1.5	Regional: Conduct outreach on the availability of information,	LCC staff	Capacity
	including instructions on how to access and use available	with	
	information.	partners	



## **Program development**

•Staff coordinated the Science Delivery Grant Program.; four grants were awarded and projects are underway;

- •Staff provided 2 science delivery workshops to SWAP coordinators;
- •Grantees attended a two-day workshop;
- •An open workshop was held in Hadley for FWS and other interested partners;
- •Staff continually update web access and provided training as needed;
- •Staff are evaluating alternative modes of delivery, such as recorded webinars.

Need 2: Science Delivery Partner Support Grants and Demonstration Projects		Who/ How	Capacity/ Grant
2.0	All Scales: Provide grants to encourage partners/partnerships to use, test, or develop applications of data/tools and train others in their geographic areas via demonstration projects or other applied uses of landscape science. Specific examples include ongoing demonstration projects. Next steps should demonstrate application of latest information and tools. Additional applications could include the demonstration of applying tools to conserve cultural resources and a pilot to demonstrate applications for environmental review and other permit applications for Army Corps, EPA, and other regulators.	Partners	Grants
2.1	State/local: Identify and support state, NGO, university and federal partners already working with local communities. Provide grants to partners to provide technical assistance to key audiences including land trusts, communities, states, and local agencies.	Partners	Grants
2.2	Develop or enhance networks of people to deliver science to address specific resource questions or needs including land use, fisheries, species management, forestry, and water resources.	Partners	Grants

## **2014 Science Delivery Grants**

Project Name Grantee		Summary and recent developments	
Envision the	Chesapeake	Completed NALCC workshop and delivered key informant interviews	\$100,000
Susquehanna:	Conservancy	and carried out analyses to identify areas that have a high overlap of	
Incorporating landscape		historic, natural, and cultural values. Researchers at Bucknell have	
science into large	1993	completed 58 interviews with community leaders through the	
landscape conservation	1.1	Susquehanna region. A report on initial findings is forthcoming.	
Enhanced stewardship of	Wildlife	Completed NALCC workshop and developed an initial selection of	\$99,965
priority habitats and	Conservation	datasets to focus habitat protection efforts, which may include	
species on private lands	Society	SWAPs for NY, VT, NH, and ME, and various land protection efforts in	
using NALCC science	Provide States	the Adirondacks. Meetings to integrate data in partner planning	
across four Northeastern	The Part of the Pa	efforts have begun, including assistance to NYSDEC on use of	
states		DataBasin.	
Science to practice: a	Highstead	Completed NALCC workshop and delivered CT River workshop on	\$20,000
science delivery program	Foundation	NALCC science products to more than 30 conservation practitioners	
for regional conservation	1.1.1.1	participating in CT Regional Conservation Partnerships (RCP). RCP	
partnerships in New		gathering has been scheduled to include several Science delivery	
England	1000	events in November; 2 more events are scheduled for 2015.	
Catalyzing land trust	Open Space	Completed NALCC workshop and delivered workshop at Land Trust	\$100,000
capacity for data and	Institute	Rally. An advisory team has been identified and is scheduled to	
science integration	(OSI)	meet in November to begin development of land trust guidance	
		documents.	

## **2012 Demonstration Projects**

Project Name	Grantee	Summary and recent developments	Cost
Froject Name	Grancee	Summary and recent developments	CUSI
Integrating Science into	Maine	Project initiation was delayed, but project is now delivering GIS	\$20,000
Policy: Local Adaptation	Department of	tools to Maine towns and conservation partners with a stake in	1200
for Marsh Migration	Inland	sea level rise and marsh migration. The project team has	1 mar
and the second second	Fisheries and	presented information at more than 20 public meetings,	100
	Wildlife	community forums and statewide meetings. Additionally, a day-	
	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	long workshop to build awareness among the conservation	1.75
		community was held in April. Project partners are now working to	
	14. 77	develop outreach materials and to complete case studies.	
117 12 2 10			37
Landscape scale	National	Project objectives have been modified under new leadership.	\$20,000
conservation efforts in	Wildlife	Outreach was provided to via 3 workshops in New Hampshire and	1000
the Appalachian Forests	Federation	Vermont.	
White Mountain to	Trust for Public	Project complete. Grantee used NALCC science to prioritize	\$20,000
Moosehead Lake	Lands	parcels in the planning area, created a data portal on Data Basin,	
Initiative	1925	and engaged partners to utilize tools to advance conservation.	1999



## White Moose Plan Sets Parcel Priorities and Metrics



WHITE MOUNTAINS TO

## White Moose Objectives:

- Promote Climate Resilience
- Increase Opportunities for Outdoor Recreation
- Preserve Working Forests

## Chesapeake Conservancy FERC Analysis:







Northeast Terrestrial Habitat Classification

Historic and Cultural Features

Interactive Parcel Analysis

## Prioritizing where we work

### **Conservation Development Ordinances:**

Rate of adoption varies by state



### Science Delivery Process

STAYING CONNECTED

Conservation development for actual conservation outcomes

-land use regulation review within priority

#### Adoption/Deployment of Tools

- Local decision makers change the way they operate to facilitate conservation

#### **Target Communities**

conservation areas

#### **Outreach to Key Partners** -identify key actors/players at state and local level including, NGOS State Wildlife Action Plan personnel, land-use

decision makers

#### Learning Network

- translate science to key players, make it accessible to them through variety of inperson and social media tools, promote broad understanding of concepts, maps, and regulatory language

## Opportunities

What steps are needed for success?

- Identify communities with highest potential for success
- Coordinate regional & local players  $\bullet$
- **Develop learning network** •

Need 3: Science Delivery Information Support and Access Needs		Who/	Capacity	Score
		How	/Grant	
3.0	Regional: Organize, make available, maintain and advertise catalog of	Staff with	Capacity	9
	available regional data layers and tools (from RCN, LCC and other sources)	links to	and PIs	
1	on the LCC website with links from other regional websites. Maintain	and		
	information management system hosted on the LCC Data Basin site	contribut	1.24.4	1000
	providing access to all available relevant spatial data layers and integrated	ions from		1.0
	results and customize galleries of spatial data and visualizations (maps and	partners		120
2.0	tools) for specific uses or partnerships.	14		1
3.1	Species range: Compile information and maps on range-wide	Species	Capacity	6
- 7.00	distribution, abundance and habitat suitability for focal species (or	partners		
	portion of species range in region), provide habitat maps and other	hips,		1
1.00	relevant regionally-consistent spatial information to species partnerships	Project	1999	
		P.I.s, LCC	1990	
		staff	+7	
3.2	Sub-regional/State/local: Provide spatial information at regional, sub-	LCC staff,	Capacity	5
	regional (watershed and ecoregion) and state scale organized by sub-	state	and	
	region and state in Data Basin and for state websites as well as partnership	staff	Grants	
	sites (e.g. LandScope Chesapeake, TPL Data Basin site).		1000	

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### Current Projects Address Key Climate Objectives





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veserve Workable Forest

Focal area with High Extinated Resilience
Welfall, Endy Area
The Trust for Public Land Project Locations
Commit
Committee

White Mountains to Moosehead Lake Initiative

erved Acres (out of 1,101,033 total resource acres ent \_\_\_\_\_Terp::2783.acres/yr(20% annulrate no

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Conservation Progress: High Productivity Forest Solis

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