## How Regional Planning Agencies Can Work with RCPs for Mutual Benefit RCP Network Gathering, UMass November 15, 2018

Bill Labich, Dwayne Shaw, Anne Krieg, Stefanie Covino, Margot Burns, Sam Gold

## Workshop Agenda

### • Where RPAs Work with RCPs:

- Downeast Conservation Network and Hancock County Government—Dwayne Shaw and Anne Krieg
- Resilient Taunton Watershed Network and Southeast Regional Planning and Economic Development District— Stefanie Covino
- Lower CT River and Coastal Region Land Trust Exchange and the Lower Connecticut River Valley Council of Governments—Margo Burns and Sam Gold

### • Small and Large Group Discussion:

- What are other promising directions for RCP-RPA coordination and collaboration?
- How could the RCP Network contribute to the success of these relationships?

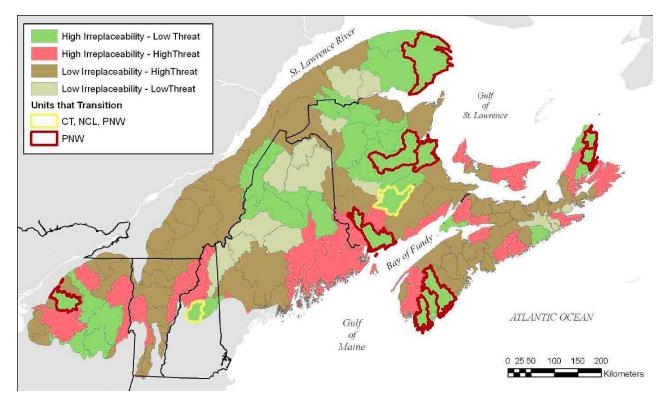


Connecting research, education, and conservation in Downeast Maine

 DCN partners work in Washington and Hancock Counties to promote the mutual well-being of human and natural communities; making connections between conservation, research, education, and individuals.

 Since 2010, DCN has identified areas important to the region's climate resilience, biodiversity, and economic well-being, and provided free resources to better understand and steward the region.

## Downeast: A High Priority



The Northern Appalachian/Acadian Ecoregion: *Priority Locations for Conservation Action* Two Countries/One Forest, Special Report #1, 2007

#### Partners

- Blue Hill Heritage Trust
- College of the Atlantic
  - Cornell University
- Downeast Salmon Federation
- Frenchman Bay Conservancy
  - Maine Coast Heritage Trust
    - Acadia National Park
      - Schoodic Institute
- Sunrise County Economic Council
- University of Maine Machias and Orono
  - Washington County Manager

## Region

#### Washington & Hancock Counties: Downeast Maine

- 5 universities/colleges
- Approximately 11 land trusts and 15 conservation organizations and institutions
- 6 state and federal government agency offices, and
- 4 Native American tribes (Passamaquoddy, Penobscot, Maliseet, and Micmac)

Resource-based economy includes fisheries, forest products, and agriculture. There is also a large tourism, real estate, and construction economy. 16% of Hancock County and 28% of Washington County are in some form of land conservation

#### Downeast Dialogue

#### **Communities and Conservation**

- identify common goals and common concerns in an economically challenged region.
- municipal property tax impacts from land conservation can be a source of concern and stress for communities

better understand how conservation impacts town budgets, provides economic benefits, and what role it can play in addressing community needs.



## DOWNEAST CONSERVATION NETWORK

Partners in conservation working with regional partners



### Downeast Dialogue "Communities & Conservation – a conversation about fiscal impacts and partnerships"

- focus of the Annual General Meeting of the Washington County Council of Governments
- gain a better understanding about how conservation impacts town budgets, provides economic benefits, and what role it can play in addressing community needs
- identify common goals and common concerns and to develop shared goals with approaches to accomplish them.

### Valuing the Economic Benefits of Conservation Land in Downeast Maine

- a tool to help conservation groups and communities value the conservation in their communities
- better understand how conservation impacts town budgets, provides economic benefits, and what role it can play in addressing community needs.

## Valuing the Economic Benefits of Conservation Land in Downeast Maine

- Visitor spending
- Recreation
- Carbon sequestering
- \$206/acre/year

- Conservation management employment
- Timber and blueberry markets
- Drinking water

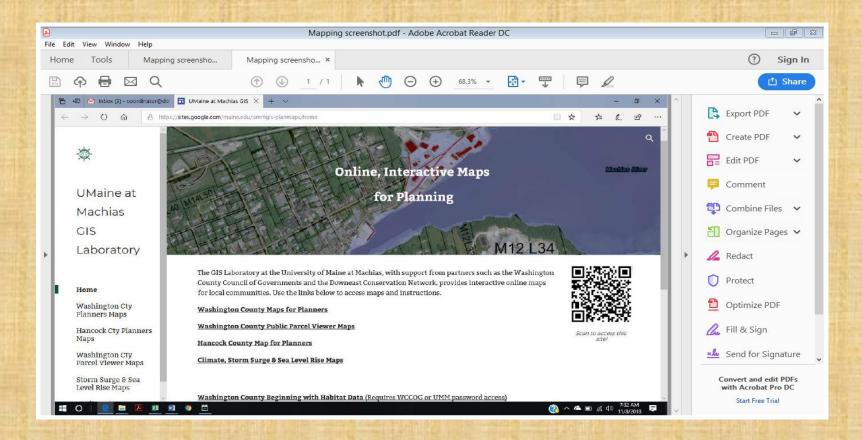
## Economic Analysis

Table 1. Economic benefits of Do	wneast conserved land (\$/	yr)								
Category	Hancock County	Washington County	Downeast Maine							
Ecosystem service benefits										
Blueberry harvest	\$2,138,685	\$2,303,009	\$4,441,694							
Timber harvest	N/A	N/A	\$17,500,000							
Forest carbon sequestration	N/A	N/A	\$42,189,413							
Recreation, all types	\$39,873,910	\$17,978,905	\$57,852,801							
Science and Education	\$3,158,958	\$1,870,926	\$5,029,885							
Beach Access	\$880,570	\$153,718	\$1,034,288							
Clean water	\$7,120,383	\$4,172,278	\$11,292,662							
Water supply	\$4,029,482	\$1,489,591	\$5,519,072							
Wildlife habitat provision	\$21,136	\$12,518	\$33,654							
	Additional economi	c benefits								
Visitor spending	\$296,963,195	\$7,464,585	\$304,427,778							
Conservation Employment	N/A	N/A	\$13,903,184							

## **Bio Diversity Mapping**

- map climate-resilient biodiversity resources within the Downeast region.
- support voluntary conservation and stewardship practices and planning
- region's biodiversity and resilience for three broad habitat groups:
  - 1) terrestrial
  - 2) aquatic (freshwater habitat, including lakes, ponds, stream and rivers)
  - 3) coastal (salt water habitats, including near-shore coastal and marine environments).

### Access to BioDiversity Mapping



### Working with the communities

Understand the tax base questions
Respect goals and concerns for each community
Long Term Benefits vs Short Term Loss
Encourage funding to programs as Tree Growth

## Questions?

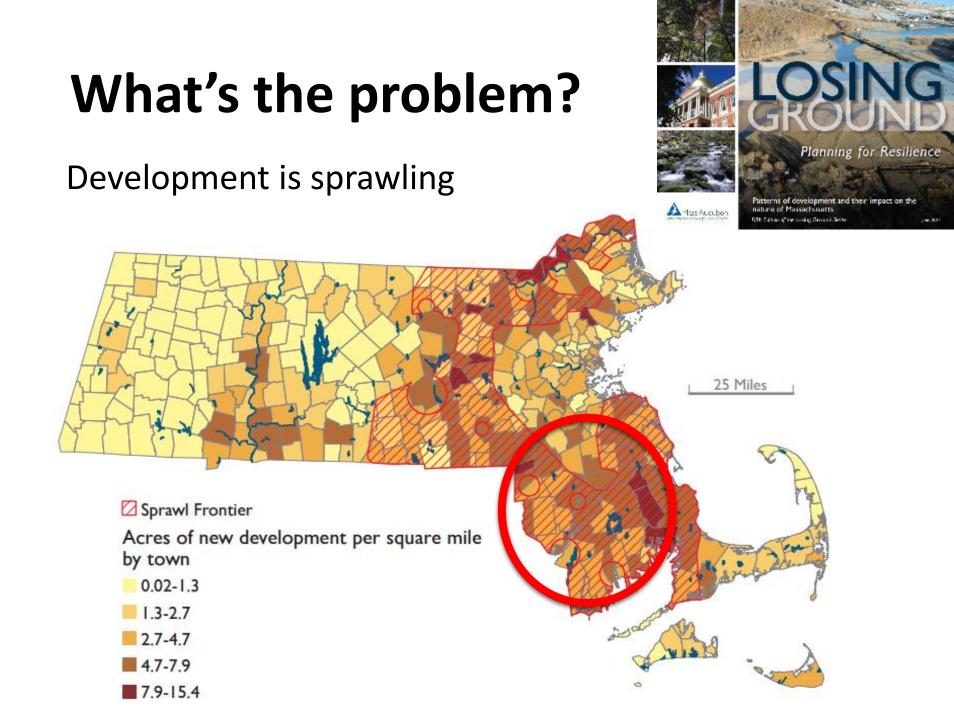
## Protecting Land Through Planning and Partnership RCPs & RPAs

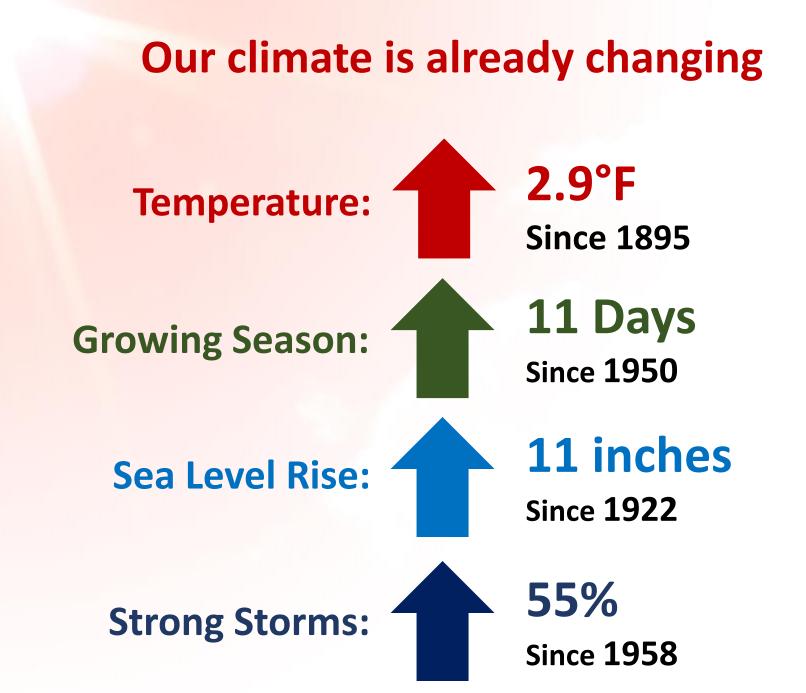


RCP Gathering 2018 November 15, 2018 srpedd.org/rtwn

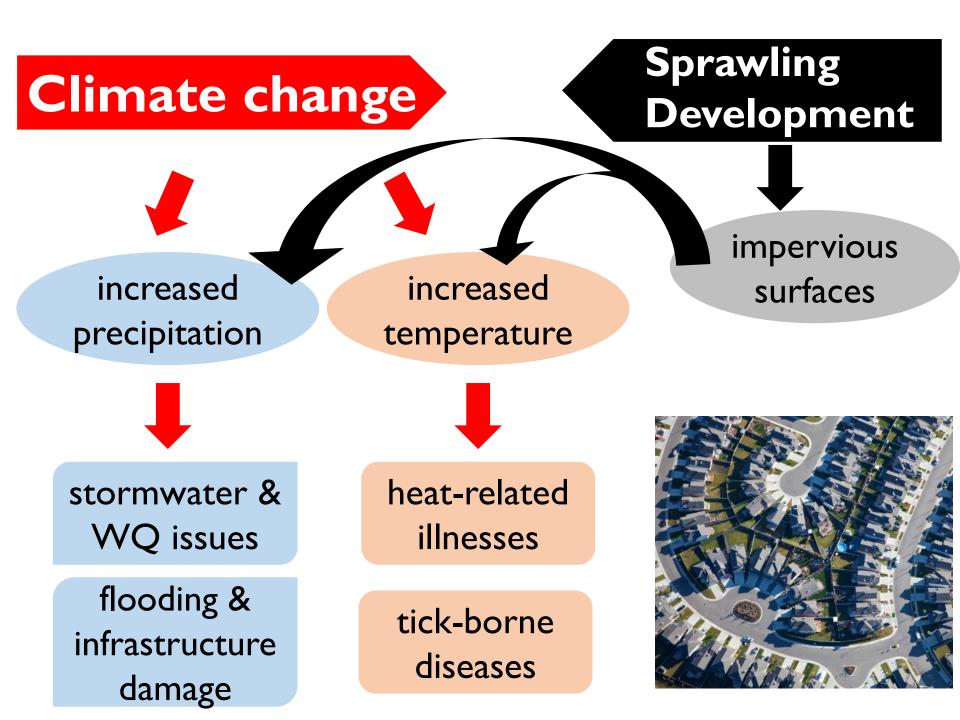


Resilient Taunton Watershed Network (RTWN)





Sources: Fourth National Climate Assessment, NOAA Ocean Service, NOAA nClimDiv dataset, ACIS



## **Nature-Based Solutions**

Nature-Based Solutions *use* natural systems, *mimic* natural processes, or *work in tandem with* traditional approaches to address natural hazards like flooding, erosion, drought, and heat islands.



**Green** Infrastructure



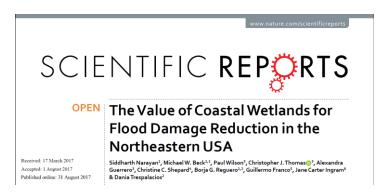


Low Impact Development (LID)

## **GI is Good for Municipalities**

#### Return on Investment Studies Northeast US Scientific Reports

- In Hurricane Sandy, wetlands reduced \$625,000,000 in direct flooding damages in New Jersey
- In New England, wetlands reduce storm damage by approximately 16%





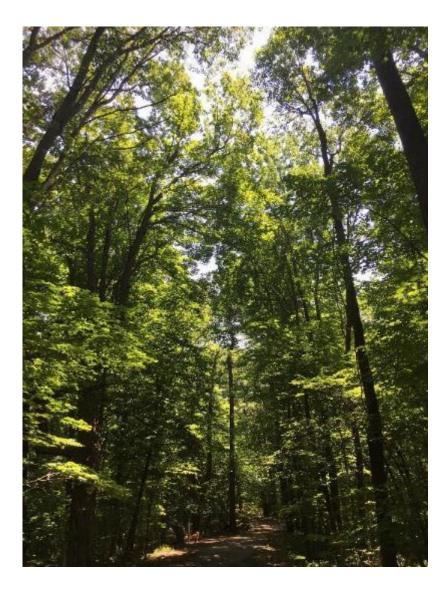
https://www.nature.com/articles/s41598-017-09269-z

# **GI is Good for Municipalities**

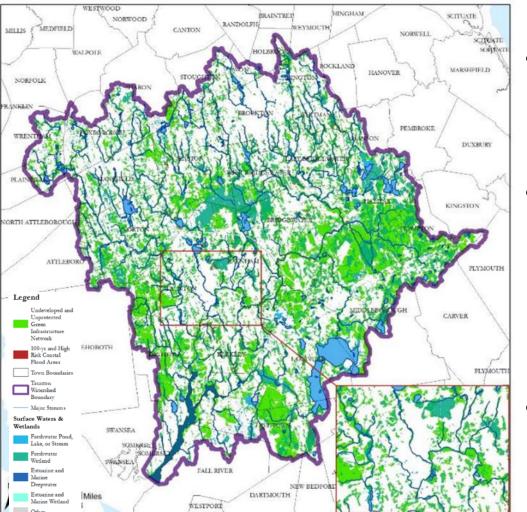
#### **Return on Investment Studies in MA** Trust for Public Land

- Outdoor recreation generates:
  - \$10 billion in consumer spending
  - \$739 million in state and local tax revenue
  - 90,000 jobs
  - \$3.5 billion in annual wages and salaries
- Agriculture, forestry, commercial fishing, and related activities generate:
  - \$13 billion in output
  - 147,000 MA Jobs

#### **Conservation Projects ROI \$4:\$1**



## Taunton Watershed



- Fastest developing watershed in MA from 2005-2013
- 30% undeveloped, unprotected, resilient (Priority GI)
- 562-square-mile watershed, one of the two largest contributors of fresh water to Narragansett Bay
- Low-lying & susceptible to flooding



The RTWN was formed in 2014 and is an award-winning collaboration of 19 organizations and agencies who care about the future health and resilience of the Taunton River Watershed and believe that nature-based solutions have economic, social, and ecological benefits.





Resilient Taunton Watershed Network (RTWN)

- Bridgewater State University
- Horsley Witten Group
- Manomet Inc.
- MA Department of Environmental Protection
- MA Division of Ecological Restoration
- MA Executive Office of Energy and Environmental Affairs

- Mass Audubon
- Metropolitan Area Planning Council
- Narragansett Bay Estuary Program
- The Nature Conservancy
- Old Colony Planning Council
- Save the Bay
- Southeastern Regional Planning and Economic Development District

- Taunton River Watershed Alliance
- Tighe & Bond
- US Environmental Protection Agency
- National Park Service
- Wildlands Trust



- Depends on engaging partners to meet regional needs
- "Open door" policy for other orgs to use facilities
- Host/incubator for non-profits, including Taunton River Watershed Association
- Partners enhance:
  - capabilities to plan,
  - maximize the resources that we are able to provide
  - delivery and success of programs: Stormwater (GRRIP), Flood Hazard, Taunton River Stewardship/Restoration and Land Use and Resource Retention programs



- Continue to employ multi-disciplinary partnerships to land use and resilience planning
- Assist with reviewing bylaws/regs, ensure communities are prepared for flood hazards and stormwater mitigation
- Assist with vulnerability assessments and ID priorities
- Consider resilience in gray and green infrastructure that surrounds it
  - consider the life-cycle costs of resiliency investments and the potential savings in the design

## Shared Goals: Planning for the Future



# **Plan for the future** of Southeastern Massachusetts

including **economic** opportunities and protection of **natural resources** 

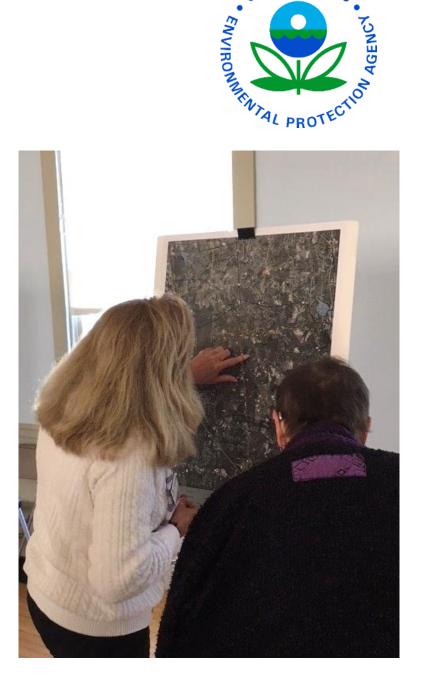
srpedd.org/rtwn

# Collaborations

EPA Healthy Communities grant (2016-2017)

- Creation/delivery of climate change & planning curriculum
- Creation of case studies highlighting NBS
- Map natural GI opportunities in watershed

#### NARRAGANSETT BAY ESTUARY PROGRAM



UNITED S.





Southeast New England Program

## Current Grant: Promoting Community Resiliency through Nature-Based Solutions







# Document & share the RTWN model beyond the watershed

(this is our most commonly received question)

- **Step 1**: Get together a great group of people
- Step 2: Determine what your region needs most
- Step 3: Figure out what everyone's good at and has resources for
- Step 4: Create goals
- **Step 5**: Work together and move the needle!



# Peer-to-peer training & sharing best practices between states



## Municipal Vulnerability Preparedness (MVP)

State and local partnership to build resiliency to climate change

1. Engage Community Identify CC impacts and hazards

3. Complete assessment of vulnerabilities & strengths

4. Develop and prioritize actions

5. Take Action

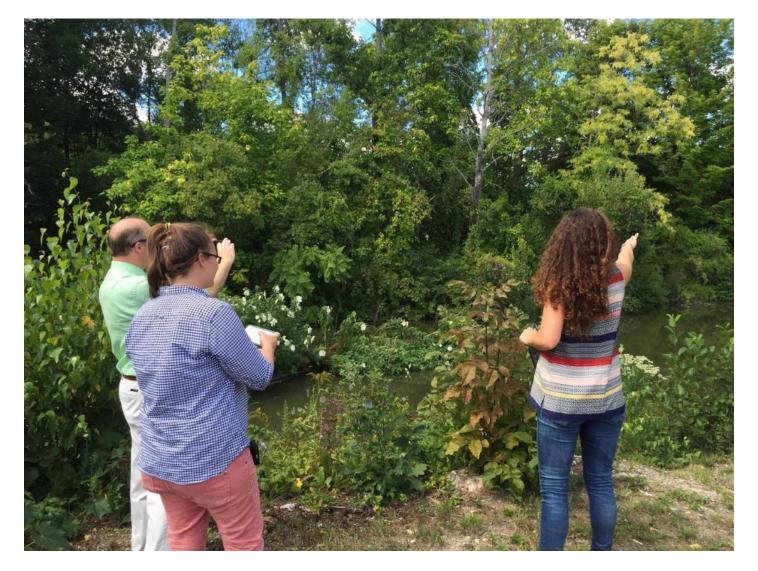
# Develop case studies on best practices and projects



# **Review bylaws to encourage nature-based solutions**

Factors	Conventional	Better	Best	Community's Zoning	Community's Subdivision Rules & Regulations	Community's Site Plan Review	Community's Stormwater/LID Bylaw/Regulations			
GOAL I: PROTECT NATURAL RESOURCES AND OPEN SPACE										
Soils managed for revegetation	Not addressed	Limitations on removal from site, and/or requirements for stabilization and revegetation		(Not applicable)						
Limit clearing, lawn size, require retention or planting of native vegetation/natura lized areas	to other design	Encourage minimization of clearing/ grubbing	Require minimization of clearing/grubbing with specific standards							
Require native vegetation and trees	l .	Not addressed, or mixture of required plantings of native and nonnative	Require at least <b>75</b> % native plantings	A C						
GOAL 2: PROMOTE EFFICIENT, COMPACT DEVELOPMENT PATTERNS AND INFILL										
Lot size	Required minimum lot sizes	OSRD/NRPZ preferred. Special permit with incentives to utilize	Flexible with OSRD/NRPZ by right, preferred option		ALCOLO D					
	1	1								

# Identify and assist funding implementation of projects



# Thank you!



Resilient Taunton Watershed Network (RTWN)

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#### srpedd.org/rtwn

#### How Regional Planning Agencies Can Work with RCP's for Mutual Benefit

RCP Network Gathering, UMass November 15, 2018

The Lower Connecticut River Valley Council of Governments Regional Conservation Partnership

Margot Burns, Environmental Planner, mburns@rivercog.org, lcrclandtrustexchange.org

LISRC

**How It Started** 

What We've Accomplished

Th: Bhy

What We Hope to Do

Benefits

#### How It Started



1972 - Stewart B. McKinney National Wildlife Refuge
1973 - Connecticut River Gateway Conservation Zone
1994 - Ramsar Estuary of Global Importance
1997 Silvio O. Conte National Fish and Wildlife Refuge, 3 Divisions
1998 - American Heritage River
TNC - Last Great Place
2005 - Long Island Sound Stewardship Site
2009 - Wild and Scenic - Eightmile
2012 - Ct River National Blueway
4 State Designated Greenways and National New England Scenic Trail

2004

#### **Conservation Easements What You Really Need To Know**

2006

**Connecticut River Riparian Mapping Project** 

2008

**The Lower Connecticut River Ground Truthing Project** 

#### **RiverCOG LTE Mission**

- Create a stronger connection between the local, regional conservation community, and the Regional, State, and Federal land use planning process;
- Enable effective collaboration and cooperation, in a regional manner, towards the creation of trails and greenways, and protection of existing habitat, water quality, and scenic and cultural landscape corridors
- Allow each to operate to its greatest potential

**Projects and Accomplishments** 

**Entering 10<sup>th</sup> year of collaboration;** 

**Natural Resource Based Strategic Conservation Plan** 

**Case Statement for Conservation** 

Lower Ct River and Coastal Region Forest Stewardship Initiative

**Funding Guide Matrix** 

**Fund Development** 

Lower CT River and Coastal Region Land Trust Exchange CT Resource, Conservation, and Development Area (RC&D) **CT Land Conservation Council (CLCC) UConn Extension Forestry – Tom Worthley** CT Dept. of Energy and Environmental Protection (DEEP) **Emery Gluck – Cockaponset and Nehantic State Forester Steve Gephard - Supervising Fisheries Biologist,** 1// Juli Das di Laka Day Al **CT DEEP Inland Fisheries Division US Fish and Wildlife Rick Potvin – Stewart B. McKinney National Wildlife Refuge** 

> US Dept. of Ag Natural Resource Conservation Service (NRCS) District Conservationist

Judy Preston – UConn Sea Grant

**Ct River Conservancy** 

Bats are dying off by the thousands in the caves where they hibernate. The cause is a mysterious disease known as White Nose Syndrome. Learn about the vital role bats play in our local ecosytem and overall health of the planet, and how you can help save these beneficial creatures and other endangered Connecticut wildlife. Join us for an enlightening talk by D.E.P. biologist Jenny Dickson on August 15th.

> For more information: smhaig@snet.net

> > Sponsored by:

Deep River Land Trust
 Chester Land Trust
 Haddam Land Trust
 East Haddam Land Trust
 Essex Land Trust
 Lynde Point Land Trust
 Old Lyme Conservation Trust
 Chester Conservation Commission
 Connecticut River Estuary Regional
 Planning Agency
 Comnecticut River Gateway
 Commission

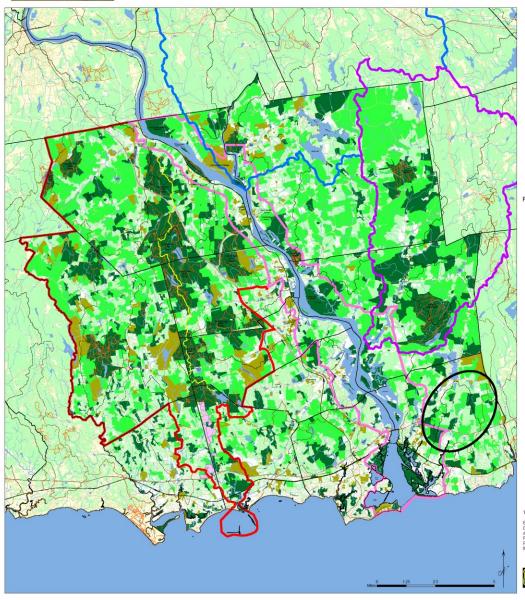
**Bats:** Where have they gone? Why should we care?

Find out on August 15th from 4-6 pm at the Chester Meeting House, Chester, Ct.

#### The Lower Connecticut River and Coastal Forest Stewardship Initiative and the Menunketesuck - Cockaponset Regional Greenway



Draft Work Map - 2/2/2012





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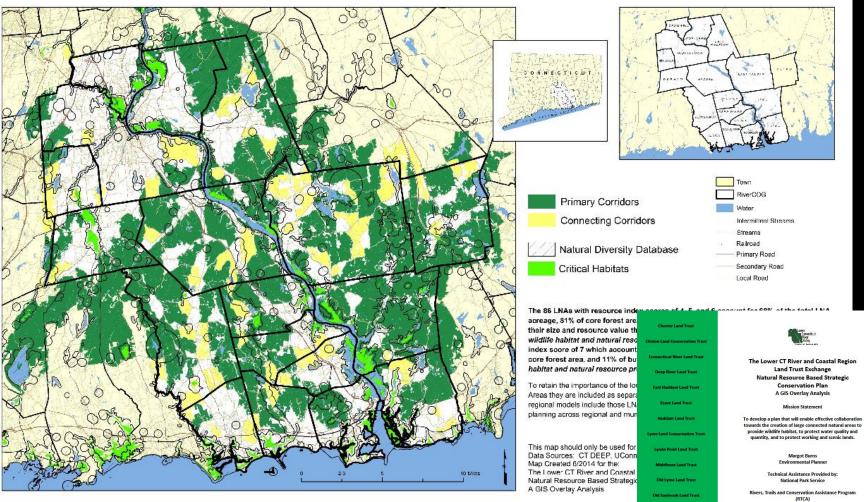
Neighborhood Forest Meetings

Haddam Quarter / Candlewood Hill 4 Corner Forest

Higganum

COC

#### Large Natural Areas Primary and Connecting Corridors



#### Map 1



alem Land Trust



#### **CLCC Land Trust Advancement Initiative**

A FOREST MANAGEMENT PLAN FOR TOBY HILL CHASE PRESERVE

A PROPERTY OF THE WESTBROOK LAND CONSERVATION TRUST

Address: Toby Hill Road, Westbrook, CT 06498

Plan Autho Shane Hetzler, MF Shannon Murray, MEM

Phone: (203) 402-8847 Email: info@backfortyforestry.com



SHARED SERVICES: A STRATEGY FOR LAND TRUST ADVANCEMENT AND SUSTAINABILITY IN CONNECTICUT

A project of the Connecticut Land Conservation Council in partnership with: The Lower Connecticut River Valley Council of Governments/ The Lower Connecticut River and Coastal Region Land Trust Exchange Land Trust Alliance

Connecticut Resource, Conservation, and Development Area

Funded by the USDA-Natural Resource Conservation Service Conservation Technical Assistance Program

> Henrietta B. Jordan February 2016





A REMARKABLE CONSERVATION LEGACY The Lower Connecticut River and Coastal Region





#### What We Hope to Do

Increase the Pace of Land Conservation In the Right Place for the Right Reasons

Improve Our Ability to Steward Our Lands and Waters

**Build Capacity by Increasing Our Fund Raising Abilities** 

**How Do We Mutually Benefit Each Other?** 

**Information Sharing** 

**Eliminates Duplication of Effort** 

**Eliminates the Heavy Lift** 

**Coordination of Effort** 

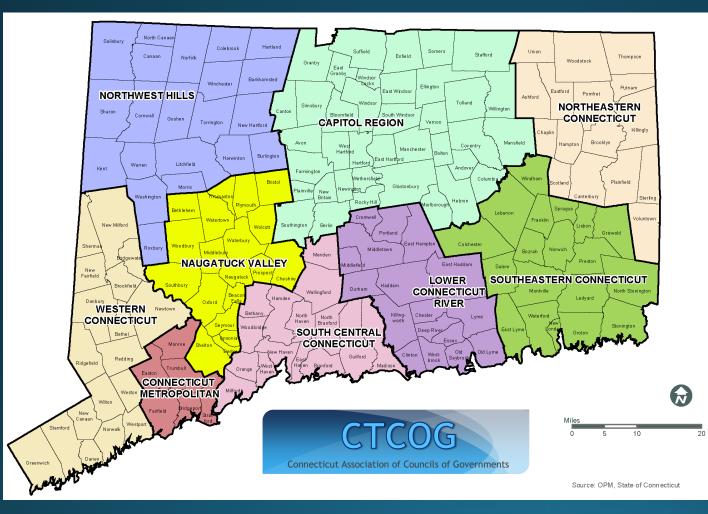
**Raises Community Esteem and Awareness of All Concerned** 

**Creates Community** 



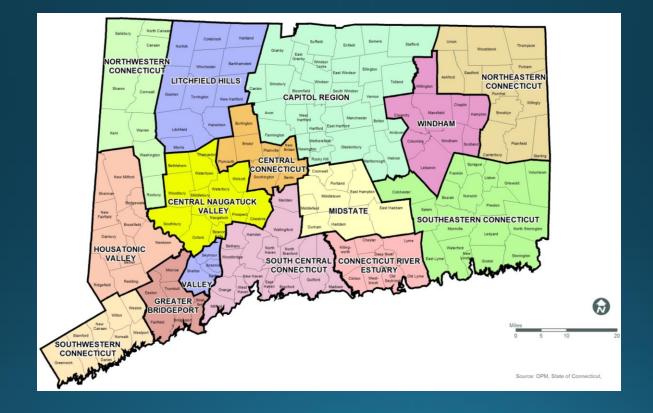
CRCOG-MetroCOG-RiverCOG NECCOG-NVCOG-NHCOG SCRCOG-SCCOG-WestCOG

# Connecticut Perspective How Regional Planning Agencies Can Work with RCPs for Mutual Benefit



Capitol Region COG **Connecticut Metro COG** Lower CT River Valley COG Naugatuck Valley COG Northeast Connecticut COG Northwest Hills COG South Central CT COG Southeastern CT COG Western Connecticut COG

## Transition from 15 to 9



### Transition from RPAs to COGs

- As of January 1, 2015 all Regional Planning Organizations had to be Councils of Governments
- Chief Elected / Executive Officers serve on the board
  - Increased municipal involvement
- One Town, One Vote (no weighted voting)
  - Smalls towns have more influence
- COGs were given the primary mandate of facilitating and furthering regional shared services

## CGS Sec. 8-31b.(b)

"Regional services provided to member municipalities shall be determined by each regional council of governments, except as provided in subsection (b) of section 9-229 and section 9-229b, and may include, without limitation, the following services: (1) Engineering; (2) inspectional and planning; (3) economic development; (4) public safety; (5) emergency management; (6) animal control; (7) land use management; (8) tourism promotion; (9) social; (10) health; (11) education; (12) data management; (13) regional sewerage; (14) housing; (15) computerized mapping; (16) household hazardous waste collection; (17) recycling; (18) public facility siting; (19) coordination of master planning; (20) vocational training and development; (21) solid waste disposal; (22) fire protection; (23) regional resource protection; (24) regional impact studies; and (25) transportation."

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## **COG Regional Services & Initiatives**

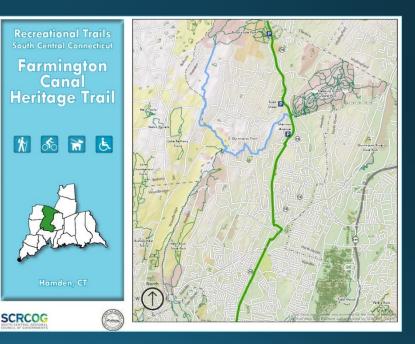
- Transportation Planning and Funding
- Regional Land Use Planning
- Emergency Planning and Preparedness
- Environmental Planning and Open Space Conservation
- Brownfields Remediation
- Information Technologies
- Geographic Information Systems
- Regional Property Revaluation
- Regional Animal Shelter
- Regional Equipment Sharing
- Household Hazard Waste Disposal and Recycling
- Economic Development

# Transportation Planning and Funding

- COGs receive federal transportation planning funding
- Responsible for Transit, Bicycle and Pedestrian, and Trails Planning

#### South Central CT COG

• Mapped over 100 recreational trails

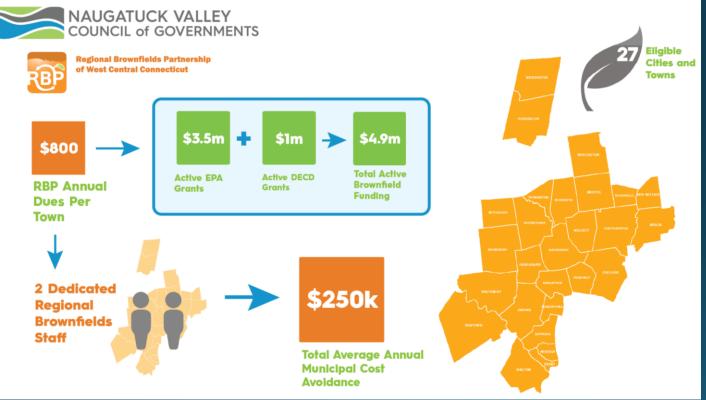


# Environmental Planning & Open Space Conservation

- Open Space Mapping
- MS<sub>4</sub> Storm Water Permit Assistance
- Farmland and Open Space Preservation *RiverCOG*
- Land Trust Exchange
  - 14 Land Trust Working Together
- Lower CT River Land Trust, Inc.
  - Moving Towards a Regional Approach to Land Trust Administration, Fundraising, and Stewardship
- Regional Agricultural Council



## Brownfields



## Hazardous Waste & Recycling

- Household Hazardous Waste Collection Programs
- Product Stewardship Initiatives
  - Paint, Electronics, Plastic Bags, &Mattresses

RiverCOG

#### Regional HHW Facility

• Operate a HHW Collection Facility that Allows Storage of HHW Waste to Ensure Charges are for Full Containers



# County Equivalency

- Connecticut has no county government
- All Nine COGs voted to support U.S. Census recognition of COGs as county equivalents for Connecticut
- Counties and County Equivalents are eligible for more federal grants than municipalities
  - Connecticut receives \$70 less per capita in federal funds than average
  - On average \$45 per capita in federal funds go to counties
- Six states have county equivalents recognized by the U.S. Census
- Allowing COGs to apply for federal grants to counties will result in more applications, and more competitive applications for federal funds

# Contact Us







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# Contact Us



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SCRCOG

SOUTH CENTRAL REGIONAL COUNCIL OF GOVERNMENTS Planning for Our Region's Future Carl Amento 203-466-8625 camento@scrcog.org

SCCOG Southeastern Connecticut Council of Governments

WESTCOG

Jim Butler 860-889-2324 jbutler@seccog.org

Francis Pickering 475-323-2070 fpickering@westcog.org

#### **Table Group Discussion**

 What are other promising directions for RCP-RPA coordination and collaboration?

 How could the RCP Network contribute to the success of these relationships?