

Data Basin and ScienceBase : Web Mapping for the LCCs

Marsh Resilience Workshop

BJ Richardson

U.S. Fish and Wildlife Service, Hadley, MA

Northeast Region (5) GIS Coordinator

R5 Science Applications GIS Coordinator

bj_richardson@fws.gov



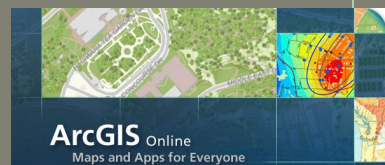
NALCC
Website/Amazon
Cloud Downloads

CONSERVATION DESIGN

HOME LAYERS MAPS DOCUMENTS

Other Web
Mapping
Services

APPALACHIAN
LANDSCAPE CONSERVATION COOPERATIVE



ScienceBase:
Data Storage
and Web
Mapping
Services



Mapping
Visualization


Partner
Downloads (e.g.
TNC)


Conservation
GATEWAY
The Nature Conservancy
Protecting nature. Preserving life.™



- NALCC Conservation Planning Atlas (CPA)
- Central location for web mapping, basic analysis and data distribution for NALCC projects, analyses and data
- Basic summarization tools available
- Custom tools can be developed
- Integration with ScienceBase ongoing
 - Metadata
 - Analysis Tools against SB services
- Most data will be NE Region-wide

North Atlantic Landscape Conservation Cooperative
Conservation Planning Atlas

Search by keyword or location 

powered by DATA BASIN 

Get Started Browse Create My Workspace


What is the North Atlantic LCC Conservation Planning Atlas (CPA)?

What is the North Atlantic LCC?

What can I do?

How do I start exploring?


The North Atlantic LCC Conservation Planning Atlas is a platform for easy access to high-quality geospatial datasets, maps and information to facilitate partner-driven conservation. [Learn more](#)




Get started quickly with the North Atlantic LCC Conservation Planning Atlas [Take a Tour](#)

North Atlantic LCC Galleries...


Terrestrial



Aquatic




Coastal and Marine

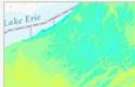


Recommended Items


Dataset
Terrestrial Habitat, Northeast




Gallery
Climate




Dataset
TNC Aquatic Habitat 7 Classes



Dataset
Imperviousness (%) - Northeast U.S., 2010




Northeast Terrestrial Habitat and Secured Lands Map



A quick start map to get an overview of the land cover and currently secured lands in the Northeast U.S.


Other Conservation Planning Atlases

South Atlantic LCC




The South Atlantic LCC includes the Middle Atlantic Coastal Plain, Southern Coastal Plain, Southeastern Plains, the Piedmont, and the Blue Ridge.

Southeast Region



The Southeast Region encompasses the Gulf Coastal Plains & Ozarks, South Atlantic, Appalachian, Peninsular Florida, Gulf Coast Prairie, and Caribbean.

NORTH ATLANTIC LCC | ABOUT DATA BASIN | TERMS OF USE | CONTACT US

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Data Basin (cont'd)

◉ Data Basin supports:

- **Data sets** (locally and web services)
 - Public or private
- **Maps** – can be created, marked up, saved and shared
- **Galleries** – collections of data, maps, other galleries, and other documents
- **Guides and Case Studies** – summaries of research, models and results
- Personal **Workspaces** – contains above elements associated with accounts
- **Groups** – public or private

North Atlantic Landscape Conservation Cooperative Conservation Planning Atlas

Search by key

powered by

Get Started

Browse

Create

My Work

NORTH ATLANTIC LCC CPA | GROUPS | CT RIVER PILOT | GROUP CONTENT



CT River Pilot

Created by: North Atlantic LCC

Sep 2, 2014 (Last modified)

Home

Content

Members

Public Profile

Sort by: Default

Display:



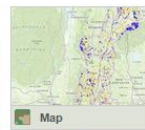
Map
Nov. 2014
Terrestrial Core Areas



Map
Aquatic Species



Map
Terrestrial-Wetland
Species Core Areas



Map
Aquatic Review
Map



Map
Terrestrial-Wetland
Ecosystem Core Area
Scenarios

Aquatic Data (16 items total)



Dataset
Hydrologic Unit
Code 6



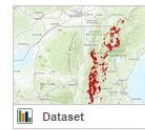
Dataset
Connecticut River
Flow



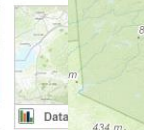
Dataset
CTR scaled cores
no downstream limited
upstream size cutoffs



Dataset
Number of Species



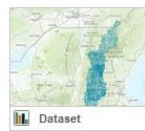
Dataset
Brook Trout Cores



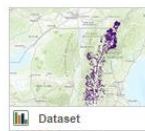
Dataset
CTR
top 15%
without a
cutoff



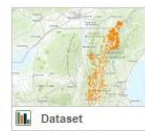
Dataset
Major Rivers



Dataset
Rivers



Dataset
CTR scaled cores
without the downstream
size cutoff



Dataset
CTR scaled cores
with the usual extension
cutoffs



Dataset
Unweighted top
15% lotic & top 10%
lentic seeds - gradient
buffer



Dataset
CTR/
cores-top
10%
grid



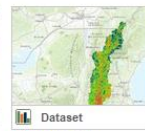
Dataset
CT River HUC 8
Watersheds



Dataset
CTR/HUC8 scaled
cores-top 15% lotic &
top 10% lentic seeds



Dataset
All Aquatic Mask



Dataset
UMass IEI

Terrestrial Data (48 items total)

North Atlantic LCC CPA



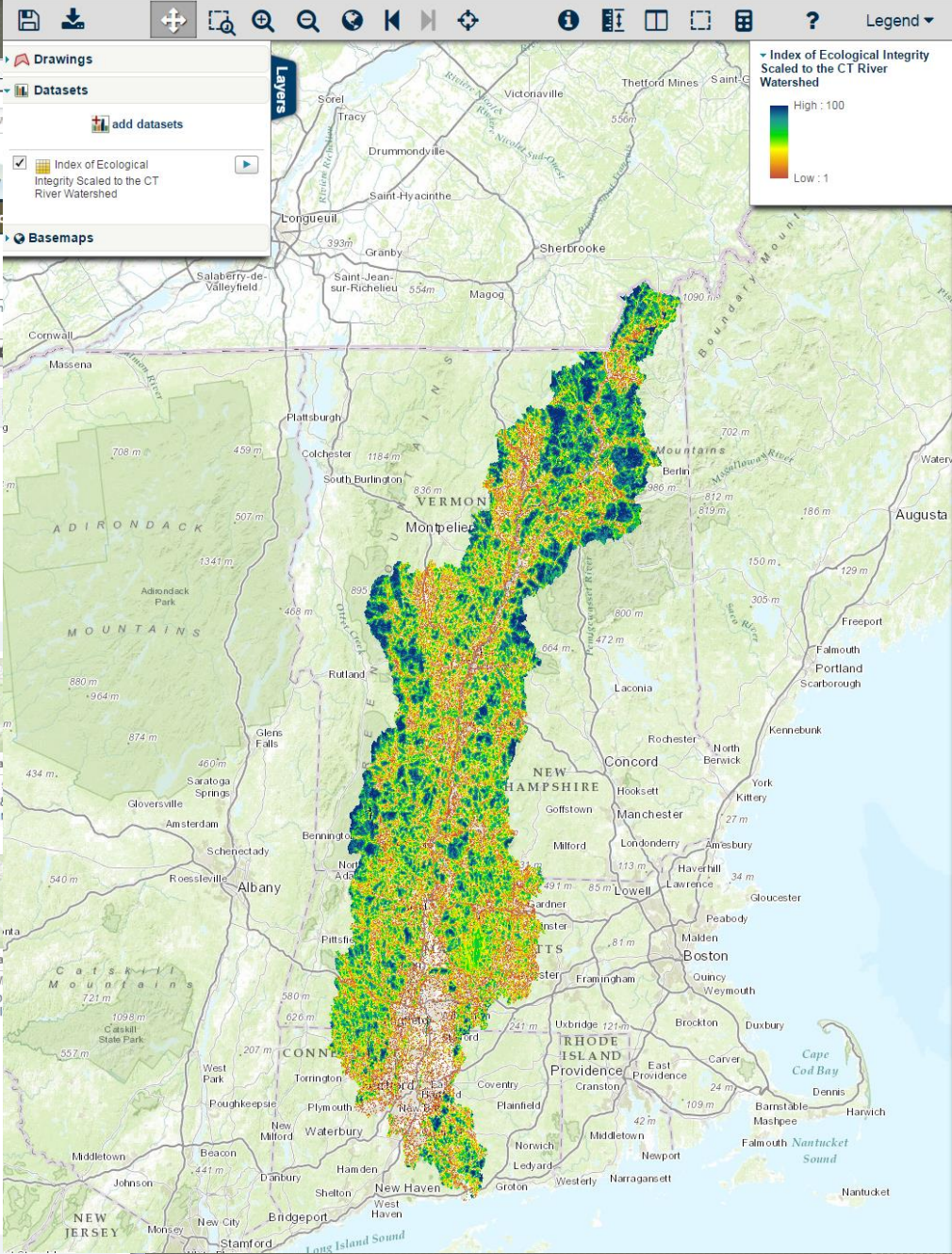
Drawings

Datasets

add datasets

Index of Ecological Integrity Scaled to the CT River Watershed

Basemaps



- ◉ Hosted by USGS on federal system
- ◉ Can host most any data type
- ◉ Federated search across:
 - Multiple LCCs (17 of 22)
 - All Climate Science Centers
- ◉ Creates Web Mapping Services
 - ArcGIS REST, WMS, WFS, WCS, KML

Geospatial Service URLs

Remove ArcGIS Services

- ArcGIS REST Service: <https://www.sciencebase.gov/arcgis/rest/services/Catalog/536a88c5e4b063fb73c12f8c/MapServer>
- ArcGIS WMS Service: <https://www.sciencebase.gov/arcgis/services/Catalog/536a88c5e4b063fb73c12f8c/MapServer/WMSServer?request=GetCapabilities&service=WMS>
- ScienceBase WMS: <https://www.sciencebase.gov/catalogMaps/mapping/ows/536a88c5e4b063fb73c12f8c?service=wms&request=getCapabilities>
Layers: footprint
- ScienceBase WFS: <https://www.sciencebase.gov/catalogMaps/mapping/ows/536a88c5e4b063fb73c12f8c?service=wfs&request=getCapabilities>
Layers: footprint
- [Process feature with Geo Data Portal](#) (this item *must* be readable by the public)

capacity to support the species and 100 indicating optimal conditions for the species.

Publication Date: 2014-03-25

[Interactive Mapper](#) - [View in National Map Viewer](#) - [Open in Google Earth \(KML\)](#) - [Advanced Services](#)

Provenance

Data source: Input directly

Bill DeLuca of UMass Amherst led the development of this dataset. Carly Chandler contributed to the Blackburnian Warbler habitat capability model that was incorporated into the dataset.

Catalog Item:

Created by:
renee_vieira@fws.gov on
Wed May 07 13:25:57 MDT
2014

Last Updated by:
renee_vieira@fws.gov on
Wed May 14 11:37:56 MDT
2014

Tags

