

# Web Mapping in the Cloud: ScienceBase, DataBasin and Amazon

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**2014 FWS Geospatial Training Workshop**

# North Atlantic LCC Web Mapping Overview



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

Partner  
Downloads (e.g.  
TNC)

Mapping  
Visualization



- 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
- Load an Service Definition (\*.sd) file – generated in ArcMap

## 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/WMServer?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

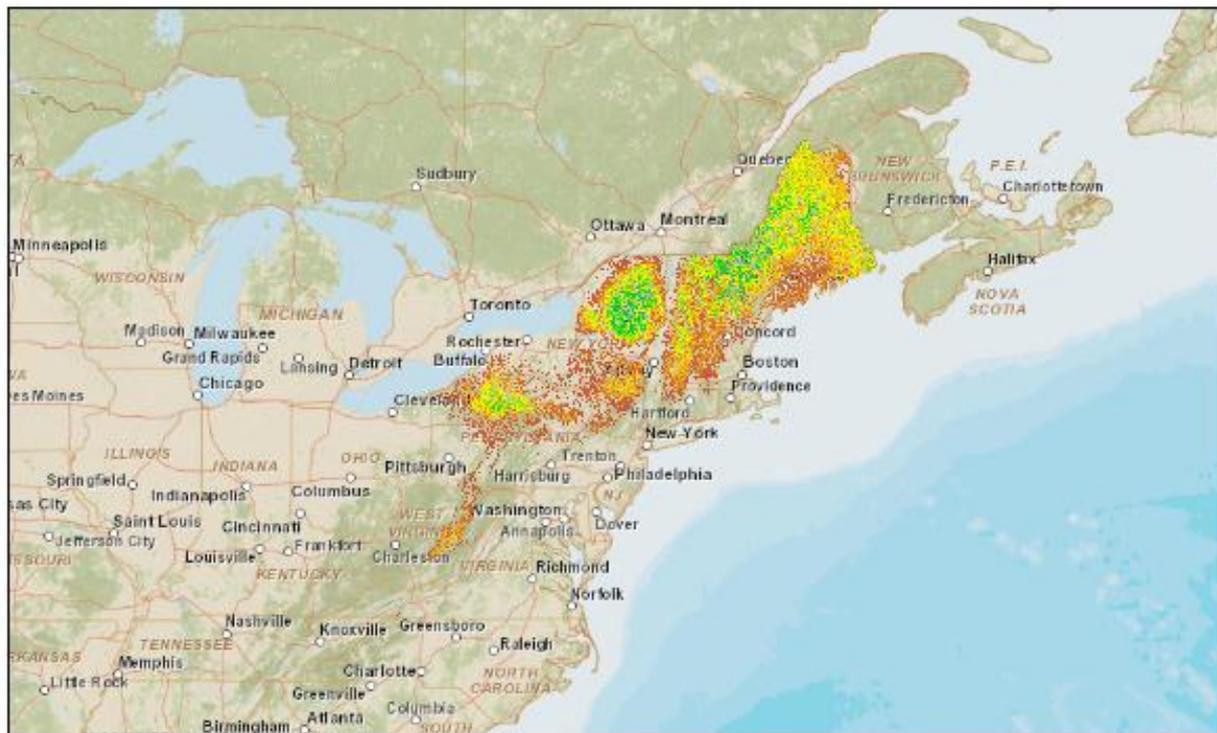
Bill DeLuca of UMass Amherst led the development of this dataset. Carly Chandler contributed to the Blackburnian Warbler habitat capability model that was incorporated into the dataset.

### Catalog Item:

*Created by:*  
renee\_veira@fws.gov on  
Wed May 07 13:25:57 MDT  
2014

*Last Updated by:*  
renee\_veira@fws.gov on  
Wed May 14 11:37:56 MDT  
2014

### Tags



- ◉ Web Mapping Visualization
- ◉ Store data on site or import web mapping services from other sites (e.g. ScienceBase)
- ◉ Basic summarization tools available
- ◉ Custom tools can be developed
- ◉ Integration with ScienceBase ongoing
  - Metadata
  - Analysis Tools against SB services

Get Started

Browse

Create

My Workspace

NORTH ATLANTIC LCC CPA | MAPS | NEW MAP

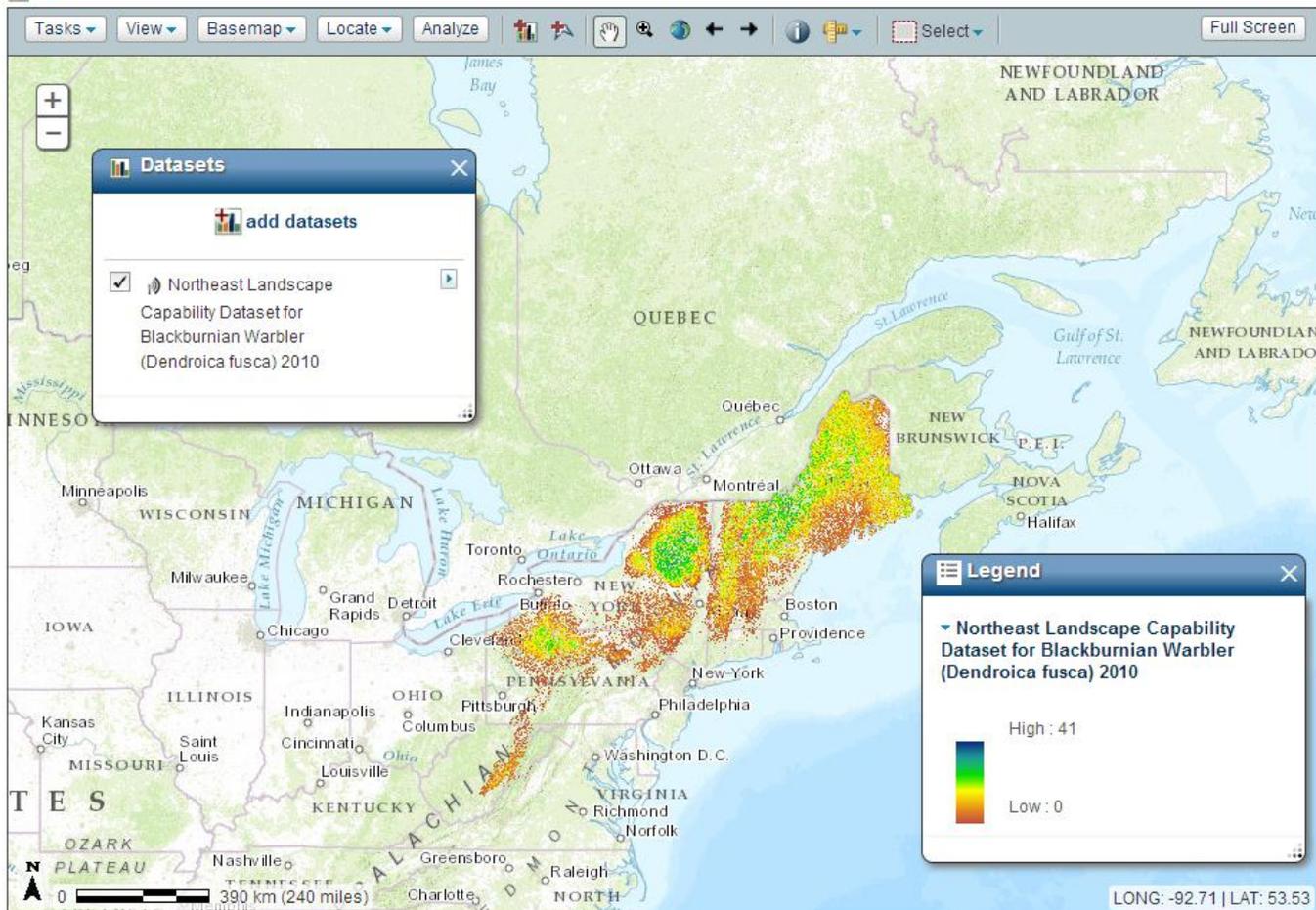
## With your new map, you can...

Play



- Add datasets to investigate and/or compare spatial data (Click to see how)
- Create drawings to highlight specific areas (Click to see how)
- Find locations of places on the map (Click to see how)
- Change the basemap to show different underlying features (Click to see how)
- Export the map for use in a document or presentation (Click to see how)
- Save the map for later use, or to share with others (Click to see how)

1 Datasets

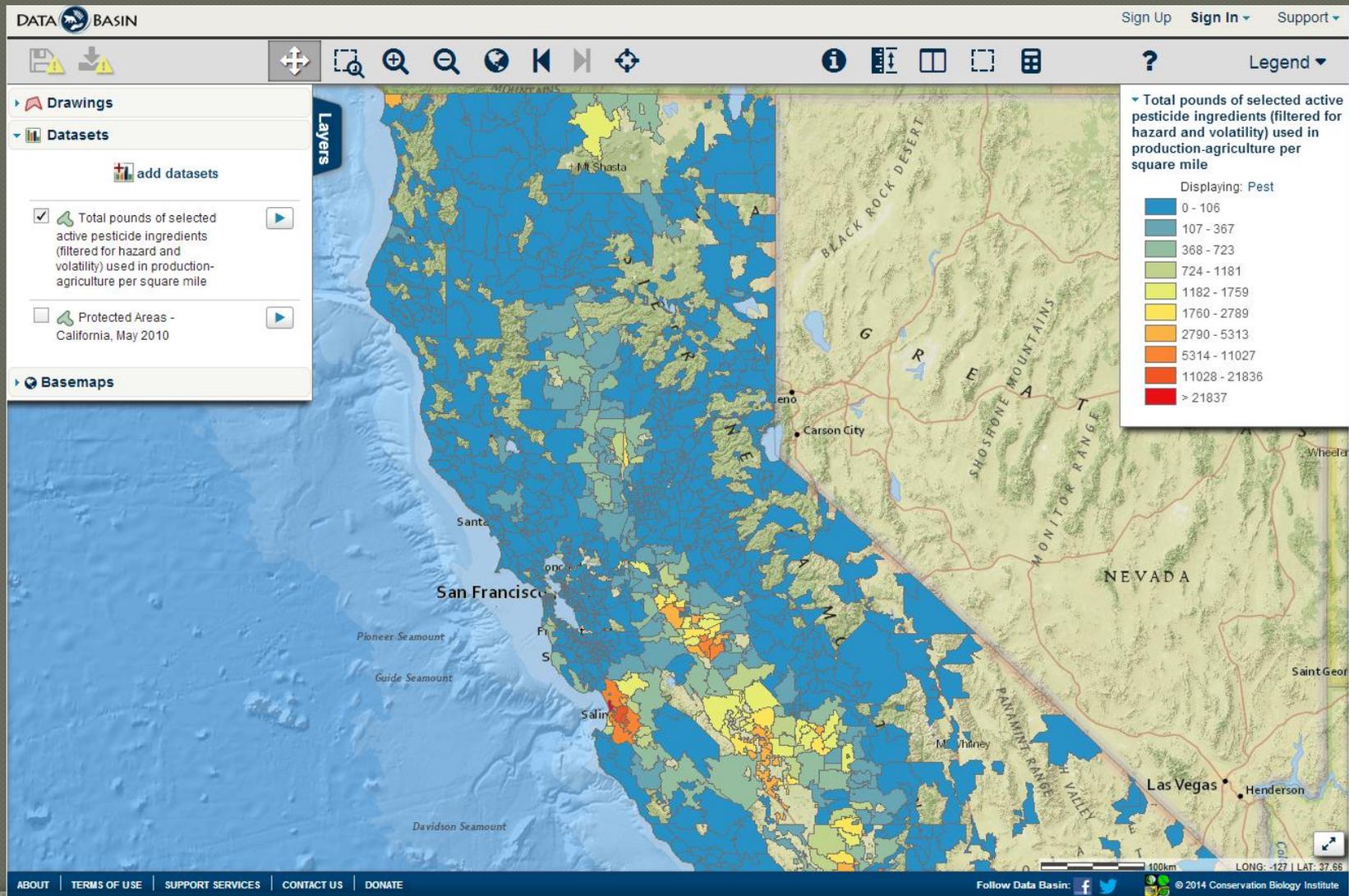


# DataBasin (cont'd)

- DataBasin supports:
  - **Data sets** (locally and web services)
  - **Maps** – can be 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

# DataBasin New Interface

## To be rolled out in next month



# Website/Amazon

NORTHEAST REGIONAL  
**Wildlife Action Plan Synthesis**

Search Site  Search  
only in current section

Home Data Documents Meetings Presentations Calendar Help Links North Atlantic LCC

Companion Sites

You are here: Home / Data / Regional Spatial Data / Terrestrial

**Terrestrial**

Data sets oriented around terrestrial

**Northeast Terrestrial Resilience, Full Data**  
Developed by The Nature Conservancy Eastern Division. This project identifies the most resilient examples of key geophysical settings, to provide managers and scientists with a nuanced picture of the places where conservation is most likely to succeed over centuries. See more at: <http://bit.ly/1eSU2rA>  
Read More...

**Northeast Terrestrial Resilience, "Lite"**  
Developed by The Nature Conservancy Eastern Division. This project identifies the most resilient examples of key geophysical settings, to provide managers and scientists with a nuanced picture of the places where conservation is most likely to succeed over centuries. See more at: <http://bit.ly/1eSU2rA>  
Read More...

**Landscape Permeability**  
Developed by The Nature Conservancy Eastern Division. Permeability, rather than being based on individual species movements, is a measure of landscape structure, incorporating the hardness of barriers, the connectedness of natural cover, and the arrangement of land uses. - See more at: <http://bit.ly/18eOPIU>  
Read More...

**NE Terrestrial Habitat Map**  
Developed by The Nature Conservancy Eastern Division. The Northeast Terrestrial Habitat map provides a consistent map of ecosystems and habitats across 13 states. - See more at: <http://bit.ly/1eSSfml>  
Read More...

**Matrix Forest Blocks**  
Developed by The Nature Conservancy Eastern Division.

NEED HELP?

Calendar view options

- Calendar
- Add Events
- Events List View
- Next 30 Days

- NALCC website lists data sets by category
- Links to Amazon cloud storage
- Easier than DataBasin to download multiple data sets
- Download links on DataBasin and ScienceBase also point here