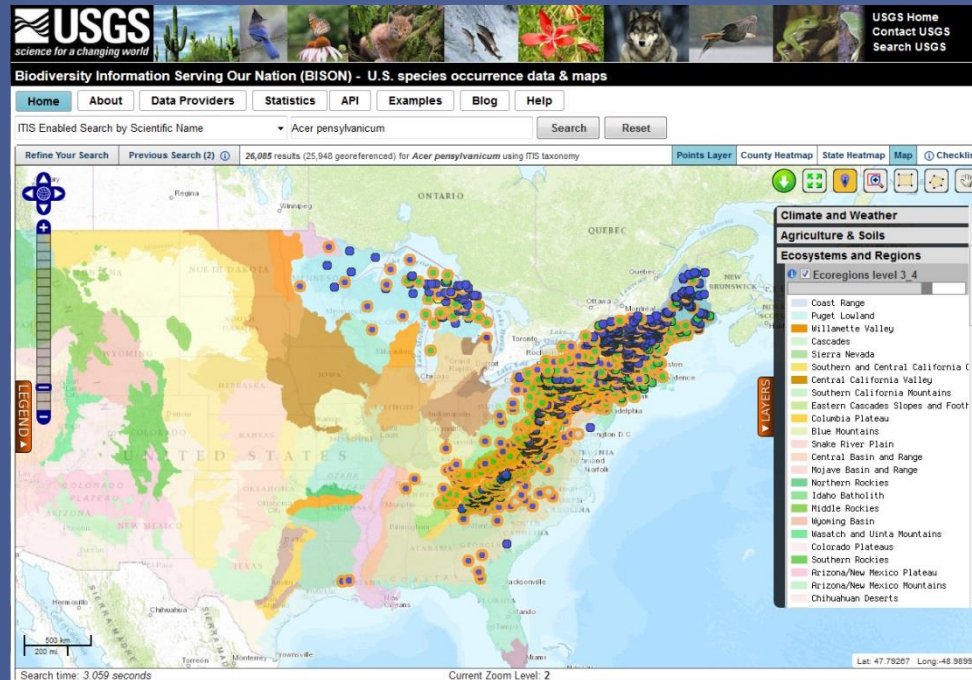


# Biodiversity Information Serving Our Nation (BISON) Integrated Taxonomic Information System (ITIS) EcoINFORMA



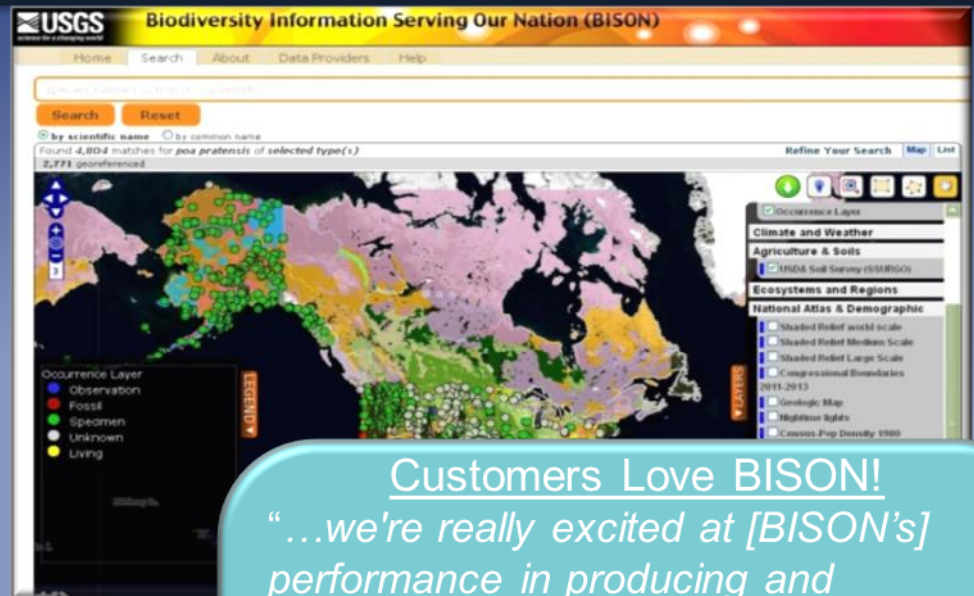
Gerald F. Guala, Ph.D.

United States Geological Survey, National Headquarters, MS 302, 12201 Sunrise Valley Dr., Reston, VA  
20192; gguala@usgs.gov

# Biodiversity Information Serving Our Nation - ([bison.usgs.gov](http://bison.usgs.gov))

- National Clearinghouse
- US Node of GBIF
- 243(257)+ million records & growing
- Nearly all species
- Every state and county
- 55 environmental layers
- Who, what, when, where for every record.
- 1456 data sets from 332 global providers across Federal, State, and local Gov'ts, NGOs and Academia.

*More than a million professional and citizen scientists have gathered the data that is in BISON*



## Customers Love BISON!

*"...we're really excited at [BISON's] performance in producing and mapping extremely large search-result sets (I generated one with 1.8 million hits in a matter of seconds)."*

Scott L. Cross, Ph.D. NOAA National Oceanographic Data Center/National Coastal Data Development Center, Charleston, SC.

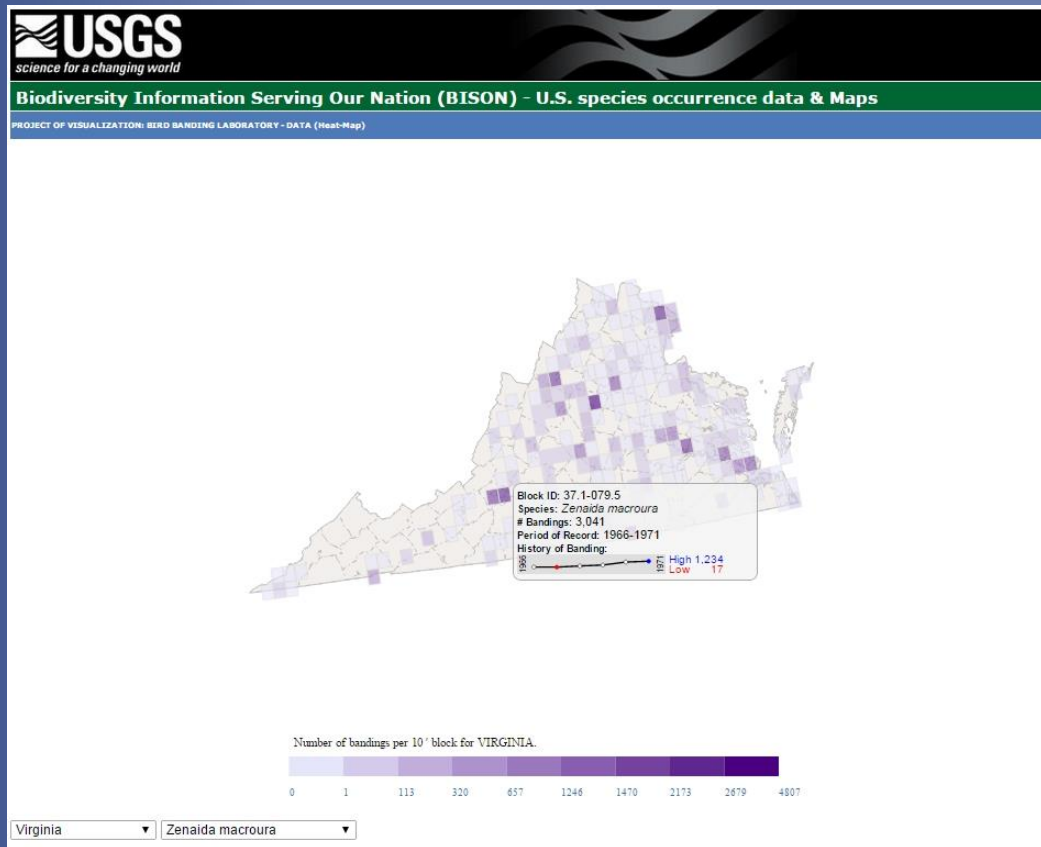
April, 22, 2013

# Everyone gets credit

<b>Australian Antarctic Data Centre</b>				
Australian Antarctic Division Herbarium	68	68	5093	293733
<b>Australian Museum</b>				
Australian Museum provider for OZCAM	117	117	7065	332103
<b>Australian National Herbarium (CANB)</b>				
Australian National Herbarium (CANB)	70	70	8085	337560
<b>Australian National Insect Collection, CSIRO Entomology</b>				
Australian National Insect Collection	62	62	5070	295559
<b>Avian Knowledge Network</b>				
Great Backyard Bird Count	123	123	11309	379387
Hawk Migration Association of North America - HawkCount	62	62	7558	306186
Point Reyes Bird Observatory - Point Counts	117	117	7863	306417
U.S.D.A. Forest Service, Redwood Sciences Laboratory - Lamna Point Count	118	118	7722	300860
<b>BISON</b>				
BLM - Landscape Monitoring Framework - Plants - 2011-2013	86	86	8535	320096
BLM - National Invasive Species Information Management System - Plants - 2010-2014	187	187	7949	309473
Big Island Invasive Species Committee - Pest Reports - 2005-2010	82	82	5328	277926
Denver Botanic Gardens - Specimen Collection	83	83	5770	288403
EPA - National Lakes Assessment - Zooplankton - 2007	60	60	7785	322485
Indiana University - Indiana - Hemlocks - 2005-2013	60	60	3990	275769
International Biological Information System	209	209	10027	343728
Kauai Invasive Species Committee - Pest Surveys - 2001-2011	82	82	5360	279333
Maui Invasive Species Committee - Pest Surveys - 1996-2011	60	60	6468	279285
Multistate Aquatic Resources Information System (MARIS) Fish Dataset	106	106	8265	342041
Murray State University - Lonicera japonica - 2008	60	60	4249	276479
NPS - Inventory and Monitoring Program - NPSpecies Park Species Lists	447	447	24130	553708
Towson University - MidAtlantic - Ailanthus altissima - 2011	60	60	4189	281651
USDA - PLANTS Database	279	279	19251	398389
USFS - Forest Inventory and Analysis - Tree Species	114	114	12723	349302
USFS - Forest Inventory and Analysis - Tree Species (Private Lands)	114	114	12587	305107
USFWS - Ruby Lake NWR - Vegetation Mapping Survey - 2012-2013	60	60	4024	279091
USGS ASC - Changing Arctic Ecosystems - Alaska - Birds	61	61	2630	2630
USGS ASC - Changing Arctic Ecosystems - Birdlist - 2011-2013	62	62	4254	283213
USGS ASC - Copper River Delta - Birds - 1997-2005	60	60	3765	3765

A Research Center can automatically summarize millions of it's records and give tens of thousands of their citizen scientists a fast and elegant view of their data.

*Without making a significant investment in new cyberinfrastructure ...*





# You could spot mistakes in the data automatically...

## Taxonomy

This application will look at all scientific names in the data set of a specific provider and compare them to the ITIS accepted names for those organisms in BISON. Conflicts will be listed. You will need to enter the three digit [BISON Provider ID number](#) which is listed in brackets after the provider name [HERE](#).

Enter a [BISON Provider ID](#):

### 224 Conflicts Found

Provider 281 = *Acacia farnesiana* vs ITIS = *Vachellia farnesiana farnesiana*  
Provider 281 = *Acer barbatum* vs ITIS = *Acer saccharum saccharum*  
Provider 281 = *Acmella oppositifolia repens* vs ITIS = *Acmella repens*  
Provider 281 = *Ageratina aromatica aromatica* vs ITIS = *Ageratina aromatica*  
Provider 281 = *Aira elegans* vs ITIS = *Aira elegantissima*  
Provider 281 = *Alopecurus alpinus* vs ITIS = *Alopecurus magellanicus*  
Provider 281 = *Amsinckia menziesii intermedia* vs ITIS = *Amsinckia intermedia*  
Provider 281 = *Andropogon capillipes* vs ITIS = *Andropogon virginicus glaucus*  
Provider 281 = *Andropogon mohrii* vs ITIS = *Andropogon liebmannii pungensis*  
Provider 281 = *Arisaema triphyllum quinatum* vs ITIS = *Arisaema triphyllum*  
Provider 281 = *Aristida longispica* vs ITIS = *Aristida longispica*  
Provider 281 = *Aristida longispica geniculata* vs ITIS = *Aristida longispica geniculata*  
Provider 281 = *Aristida longispica longispica* vs ITIS = *Aristida longispica longispica*  
Provider 281 = *Arnica chamissonis foliosa* vs ITIS = *Arnica chamissonis*  
Provider 281 = *Artemisia arctica* vs ITIS = *Artemisia norvegica saxatilis*  
Provider 281 = *Artemisia campestris borealis* vs ITIS = *Artemisia borealis*  
Provider 281 = *Baptisia bracteata laevicaulis* vs ITIS = *Baptisia leucophaea*  
Provider 281 = *Baptisia bracteata leucophaea* vs ITIS = *Baptisia leucophaea*  
Provider 281 = *Caltha palustris radicans* vs ITIS = *Caltha palustris*  
Provider 281 = *Campanulastrum americanum* vs ITIS = *Campanula americana*  
Provider 281 = *Campylopus introflexus* vs ITIS = *Campylopus pilifer*  
Provider 281 = *Cardamine microphylla blaisdellii* vs ITIS = *Cardamine blaisdellii*  
Provider 281 = *Carex leptalea harperi* vs ITIS = *Carex leptalea*  
Provider 281 = *Carex stenophylla* vs ITIS = *Carex duriuscula*  
Provider 281 = *Carex vallicola vallicola* vs ITIS = *Carex vallicola*  
Provider 281 = *Carya alba* vs ITIS = *Carya tomentosa*  
Provider 281 = *Castanea pumila pumila* vs ITIS = *Castanea pumila*  
Provider 281 = *Celtis laevigata reticulata* vs ITIS = *Celtis reticulata*  
Provider 281 = *Cercocarpus montanus glaber* vs ITIS = *Cercocarpus betuloides betuloides*  
Provider 281 = *Chamaesyce arizonica* vs ITIS = *Euphorbia arizonica*  
Provider 281 = *Chamaesyce bombensis* vs ITIS = *Euphorbia bombensis*  
Provider 281 = *Chamaesyce cordifolia* vs ITIS = *Euphorbia cordifolia*  
Provider 281 = *Chamaesyce hyssopifolia* vs ITIS = *Euphorbia hyssopifolia*  
Provider 281 = *Chamaesyce maculata* vs ITIS = *Euphorbia maculata*  
Provider 281 = *Chamaesyce melanadenia* vs ITIS = *Euphorbia nutans*  
Provider 281 = *Chamaesyce micromera* vs ITIS = *Euphorbia micromera*  
Provider 281 = *Chamaesyce nutans* vs ITIS = *Euphorbia nutans*  
Provider 281 = *Chamaesyce polycarpa* vs ITIS = *Euphorbia polycarpa polycarpa*  
Provider 281 = *Chamaesyce prostrata* vs ITIS = *Euphorbia prostrata*  
Provider 281 = *Chamaesyce thymifolia* vs ITIS = *Euphorbia thymifolia*  
Provider 281 = *Chasmanthium sessiliflorum* vs ITIS = *Chasmanthium laxum sessiliflorum*  
Provider 281 = *Chenopodium ambrosioides* vs ITIS = *Dysphania ambrosioides*  
Provider 281 = *Chrysopsis pilosa* vs ITIS = *Bradburia pilosa*  
Provider 281 = *Chrysothamnus albidus* vs ITIS = *Ericameria albidus*  
Provider 281 = *Chrysothamnus lufifolius* vs ITIS = *Lorandersonia lufifolia*  
Provider 281 = *Chrysothamnus pulchellus* vs ITIS = *Lorandersonia pulchella*  
Provider 281 = *Cissus incisa* vs ITIS = *Cissus trifoliata*  
Provider 281 = *Cladium mariscus jamaicense* vs ITIS = *Cladium jamaicense*  
Provider 281 = *Cleistes divaricata* vs ITIS = *Cleistesopsis divaricata*  
Provider 281 = *Climopodium arkansanum* vs ITIS = *Climopodium elabrum*

## Location

This application checks the **Provided County** against the **County as calculated by BISON from the Provided Lat/Lon** for a given provider in BISON.

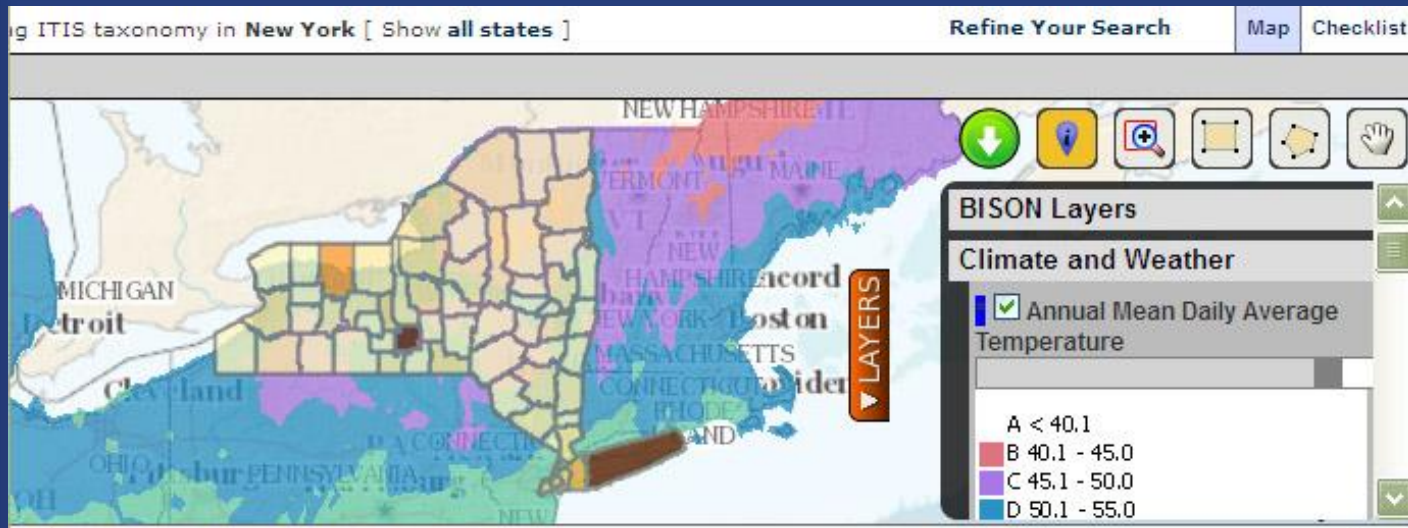
Enter a three digit [BISON Provider ID](#):

### FINISHED: 998 Conflicts Found

#### Catalog Number: Calculated County vs Provided County and [Latitude, Longitude]

99140: Franklin County vs Worcester County [42.544, -72.329]  
99141: Franklin County vs Worcester County [42.544, -72.329]  
99139: Franklin County vs Worcester County [42.544, -72.329]  
63548: Orleans County vs Orange County [44.824, -72.491]  
87860: Orleans County vs Orange County [44.824, -72.491]  
89475: Orleans County vs Orange County [44.824, -72.491]  
85204: Penobscot County vs Piscataquis County [45.801, -68.765]  
85401: Penobscot County vs Piscataquis County [45.801, -68.765]  
83162: Penobscot County vs Piscataquis County [45.8, -68.765]  
114538: Chittenden County vs Washington County [44.32083, -72.92083]  
20208: Terrebonne Parish vs Plaquemines Parish [29.416, -90.7]  
20790: Terrebonne Parish vs Plaquemines Parish [29.233, -90.7]  
44655: Terrebonne Parish vs Plaquemines Parish [29.25, -90.7]  
104918: Hardee County vs Putnam County [27.36, -81.575]  
76089: Nueces County vs San Patricio County [27.85, -97.16667]  
77193: Aransas County vs San Patricio County [28.06667, -97.11667]  
82510: Frio County vs Medina County [29.067, -98.933]  
86586: McMinn County vs Macon County [35.317, -84.625]  
86730: McMinn County vs Macon County [35.317, -84.625]  
84820: McMinn County vs Macon County [35.317, -84.625]  
105509: Columbia County vs Webster Parish [33.416, -93.383]  
78548: Gila County vs Coconino County [33.617, -110.975]  
72800: El Dorado County vs Alpine County [38.796, -119.964]  
60432: Calhoun County vs Union County [33.51667, -92.33333]  
61456: Riverside County vs San Diego County [33.52, -116.866]  
84209: Cochran County vs Lincoln County [33.757, -103.045]  
103609: Franklin County vs East Baton Rouge Parish [31.379, -91.125]  
33423: Rapides Parish vs Natchitoches Parish [31.40083, -92.75556]  
86867: La Salle Parish vs LaSalle Parish [31.5095, -92.0877]  
99754: La Salle Parish vs LaSalle Parish [31.5095, -92.0877]  
99737: La Salle Parish vs LaSalle Parish [31.5095, -92.0877]  
86865: La Salle Parish vs LaSalle Parish [31.5095, -92.0877]  
86866: La Salle Parish vs LaSalle Parish [31.5095, -92.0877]  
86868: La Salle Parish vs LaSalle Parish [31.5095, -92.0877]  
99742: La Salle Parish vs LaSalle Parish [31.5095, -92.0877]  
99755: La Salle Parish vs LaSalle Parish [31.5095, -92.0877]  
87532: La Salle Parish vs LaSalle Parish [31.5095, -92.0877]  
99741: La Salle Parish vs LaSalle Parish [31.5095, -92.0877]  
98994: La Salle Parish vs LaSalle Parish [31.5095, -92.0877]  
99965: La Salle Parish vs LaSalle Parish [31.5095, -92.0877]  
98087: La Salle Parish vs LaSalle Parish [31.5686, -92.0768]  
87531: La Salle Parish vs LaSalle Parish [31.5686, -92.0768]  
99736: La Salle Parish vs LaSalle Parish [31.5686, -92.0768]  
41768: La Salle Parish vs Grant Parish [31.61667, -92.08333]  
90201: Concordia Parish vs Grant Parish [31.633, -91.416]  
40802: Grant Parish vs St. Martin Parish [31.634, -92.418]  
54604: La Salle Parish vs Grant Parish [31.635, -92.08472]  
116356: Franklin County vs Lawrence County [31.5511, -90.83635]  
66160: Adams County vs Franklin County [31.5555, -91.15517]

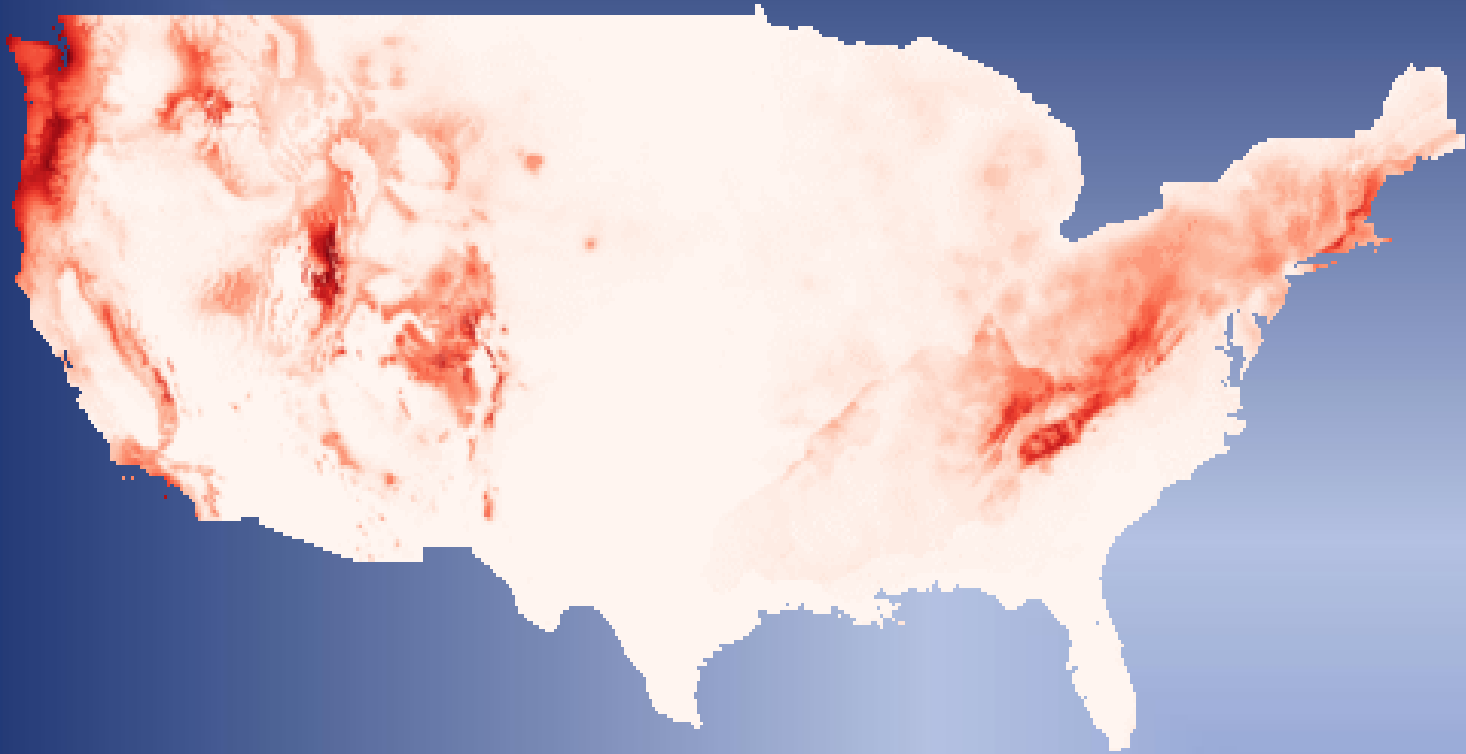
# Custom Maps & Checklists



For Any  
Area  
Including  
Polygons

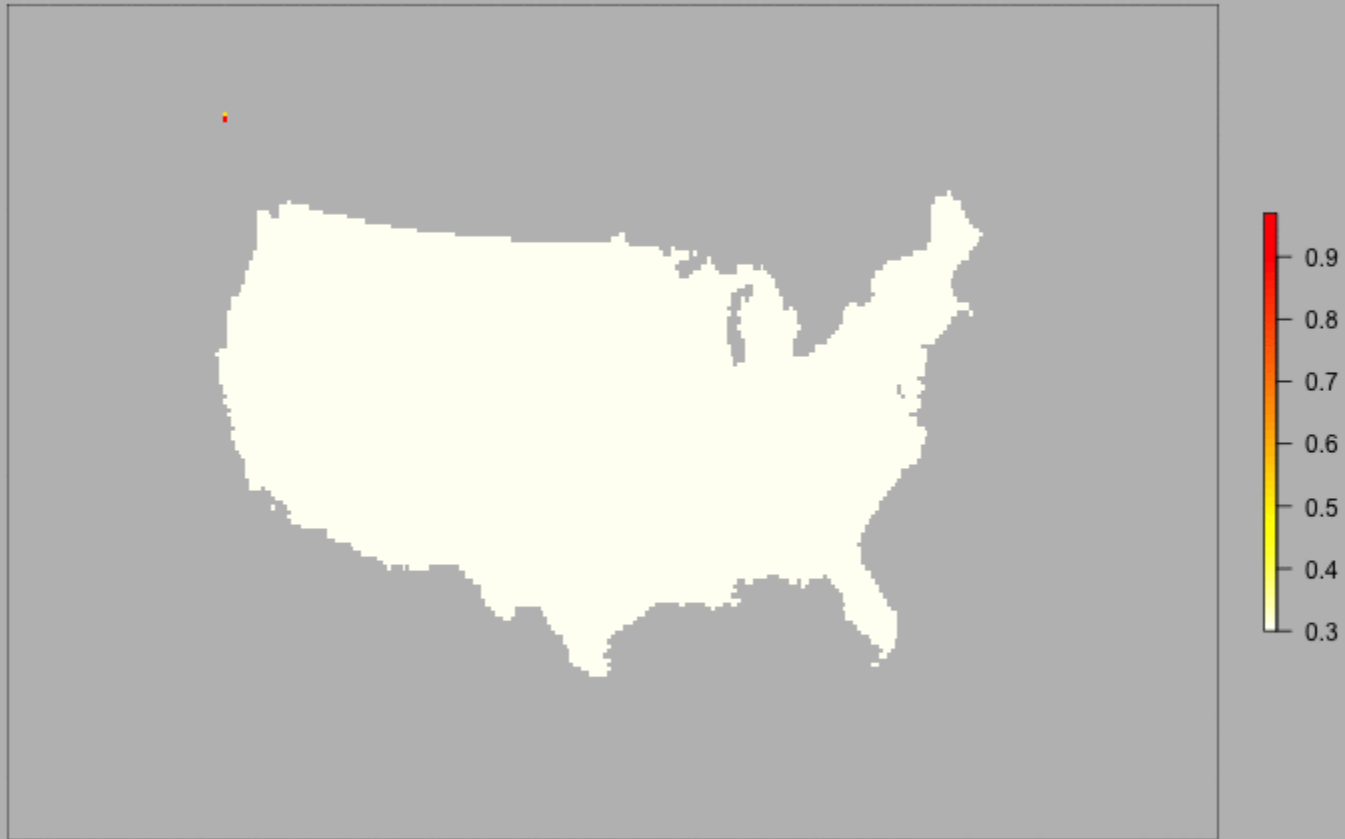
Found 9,070,998 matches for <i>all species</i> using ITIS taxonomy in New York [ Show all states ]	
9,070,998 georeferenced	
Kingdom	Count
Animalia	7974656
Chromista	10808
Fungi	2651
Plantae	454729
ITIS Scientific Name	Count
Abies balsamea	12807
Abies balsamea balsamea	28
Abies homolepis	2
Abies magnifica	1
Abies procera	1
Abietinella abietina	5
Abutilon theophrasti	39
Acacia baileyana	1
Acacia cultriformis	1
Acacia ligulata	1

*You could see the potential effects of climate change on a species at the click of a button...*



*Taenionema atlanticum* (Winter Stonefly) as its habitat suitability shifts using the A2 scenario for three future timesteps. The A2 storyline and scenario family: a very heterogeneous world with continuously increasing global population and regionally oriented economic growth that is more fragmented and slower than in other storylines. Layers are CURRENT & A2 scenario, 2039, 2069, and 2099.

Predicted Barn Swallow Distribution, 1920-1929



Day 1

Distribution of Barn Swallow (*Hirundo rustica*)  
Probability by ordinal day of the year for the 1920's



# Search & Refine

Basis of Record  
Provider  
State/County

Higher taxa  
Year range  
Centroids

The screenshot shows the USGS Biodiversity Information Serving Our Nation (BISON) website. The browser address bar shows `bison.usgs.ornl.gov/#home`. The page features a navigation menu with links for Home, About, Data Providers, Statistics, API, Examples, Blog, and Help. A search bar is present with the text "ITIS Enabled Search by Scientific Name" and a search input field containing "species name (common / scientific)". Below the search bar, it indicates "Found 168,063,755 matches for all species using ITIS taxonomy".

The search results are displayed in three columns:

- Basis of Record:**
  - fossil (1178885)
  - literature (352344)
  - living (26867)
  - observation (138838408)
  - specimen (22799334)
  - unknown (4867917)
- Provider:**
  - Academy of Natural Sciences (186225)
    - Herpetology (15227)
    - MAL (138773)
    - ORN (32225)
  - Acadia University (210)
  - E. C. Smith Herbarium (1212) (1212)

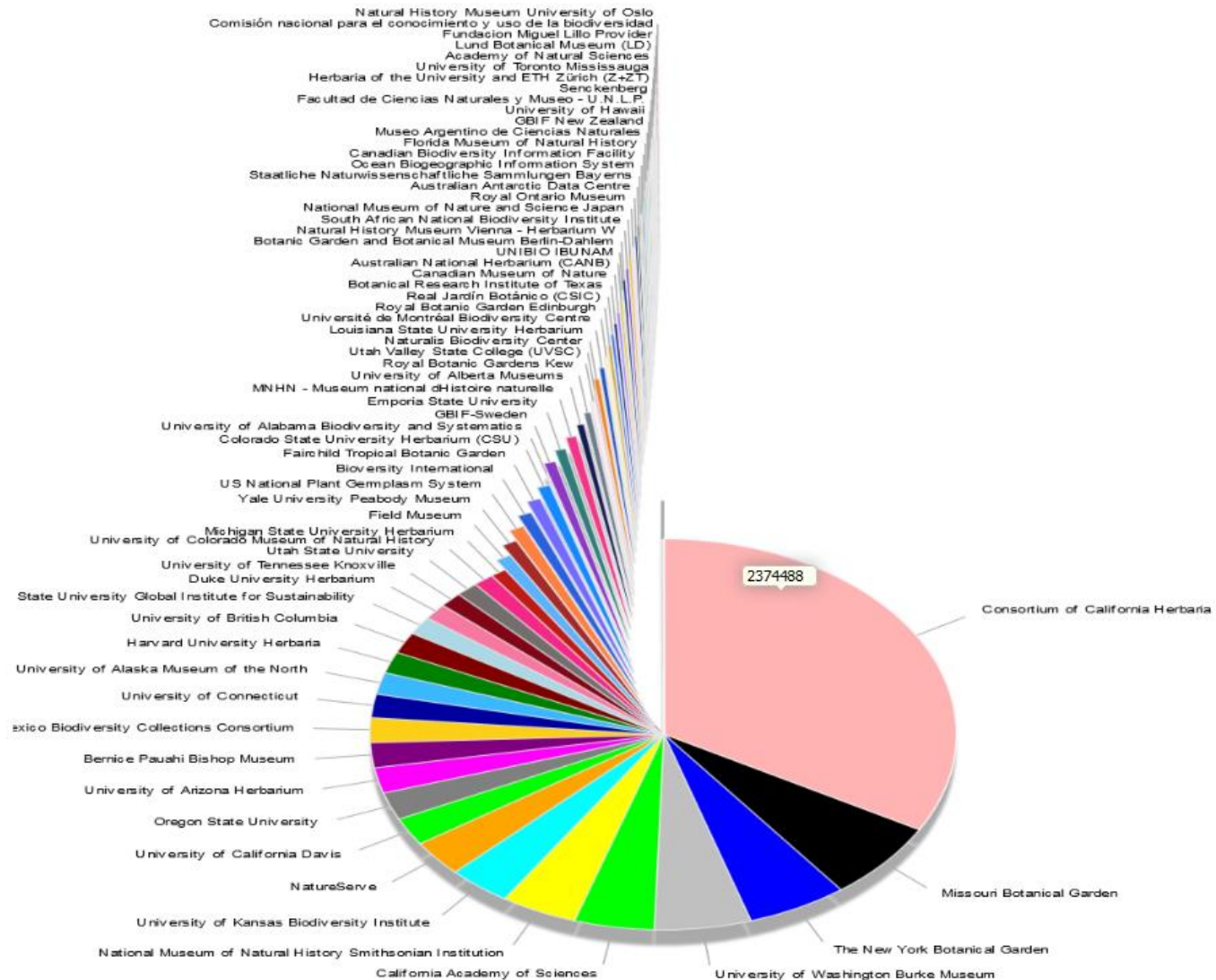
- State/Territory:**
- Alabama (1901591)
- Alaska (1822498)
- American Samoa (4815)
- Arizona (3855581)
- Arkansas (1729089)
- California (18273849)
- Colorado (2922860)
- Commonwealth of the North Mariana Islands (10217)

At the bottom of the search results, there are buttons for "Hide Search Details" and "Update Search Results".

# Dynamically Generated and Interactive 3D Pie Chart of the Relative Representation of Providers of Plant Specimen Records in BISON

Total Plant Specimens: 7168180

Click on a wedge to show the number of records from an individual provider.





# The Power of



# ITIS



[Go to Print Version](#)

## ***Rubus flagellaris* Willd.**

Taxonomic Serial No.: 24921

[Download data](#) ([Download Help](#)) *Rubus flagellaris* TSN 24921

### Taxonomy and Nomenclature

Kingdom:	Plantae
Taxonomic Rank:	Species
Synonym(s):	<a href="#">Rubus scambens</a> L.H. Bailey <a href="#">Rubus aboriginum</a> Rydb. <a href="#">Rubus apogaeus</a> L.H. Bailey <a href="#">Rubus aptatus</a> L.H. Bailey <a href="#">Rubus arenicolus</a> Blanch. <a href="#">Rubus arizonensis</a> Focke <a href="#">Rubus arundelanus</a> Blanch. <a href="#">Rubus ashei</a> L.H. Bailey <a href="#">Rubus baileyanus</a> Britton <a href="#">Rubus cacaponensis</a> H.A. Davis & T. Davis <a href="#">Rubus celer</a> L.H. Bailey <a href="#">Rubus centralis</a> L.H. Bailey <a href="#">Rubus clarus</a> L.H. Bailey <a href="#">Rubus curtipes</a> L.H. Bailey <a href="#">Rubus deamii</a> L.H. Bailey <a href="#">Rubus decor</a> L.H. Bailey <a href="#">Rubus depavitus</a> L.H. Bailey <a href="#">Rubus enslenii</a> Tratt. <a href="#">Rubus exsularis</a> L.H. Bailey <a href="#">Rubus fecundus</a> L.H. Bailey <a href="#">Rubus felix</a> L.H. Bailey <a href="#">Rubus grimesii</a> L.H. Bailey <a href="#">Rubus hancinianus</a> L.H. Bailey <a href="#">Rubus injunctus</a> L.H. Bailey <a href="#">Rubus invisus</a> (L.H. Bailey) Britton <a href="#">Rubus ithacanus</a> L.H. Bailey <a href="#">Rubus kentuckiensis</a> L.H. Bailey <a href="#">Rubus leviculus</a> L.H. Bailey <a href="#">Rubus meracus</a> L.H. Bailey <a href="#">Rubus michiganensis</a> (Card ex L.H. Bailey) L.H. B. <a href="#">Rubus multifer</a> L.H. Bailey <a href="#">Rubus mundus</a> L.H. Bailey

[Rubus mundus](#) L.H. Bailey  
[Rubus nefrens](#) L.H. Bailey  
[Rubus obsessus](#) L.H. Bailey  
[Rubus particeps](#) L.H. Bailey  
[Rubus plicatifolius](#) Blanch.  
[Rubus profusiflorus](#) L.H. Bailey  
[Rubus pronus](#) L.H. Bailey  
[Rubus roribaccus](#) (L.H. Bailey) Rydb.  
[Rubus russeus](#) L.H. Bailey  
[Rubus sailori](#) L.H. Bailey  
[Rubus schoolcraftianus](#) L.H. Bailey  
[Rubus steelei](#) L.H. Bailey  
[Rubus temerarius](#) L.H. Bailey  
[Rubus uvidus](#) L.H. Bailey  
[Rubus vixalacer](#) L.H. Bailey  
[Rubus whartoniae](#) L.H. Bailey  
[Rubus arenicola](#) Blanch.  
[Rubus iniens](#) L.H. Bailey  
[Rubus obvius](#) L.H. Bailey  
[Rubus pernaegaeus](#) Fernald  
[Rubus plexus](#) Fernald  
[Rubus sewardianus](#) Fernald  
[Rubus alacer](#) L.H. Bailey  
[Rubus alius](#) L.H. Bailey  
[Rubus almus](#) (L.H. Bailey) L.H. Bailey  
[Rubus armatus](#) (Fernald) L.H. Bailey  
[Rubus austrinus](#) L.H. Bailey  
[Rubus bollianus](#) L.H. Bailey  
[Rubus bonus](#) L.H. Bailey  
[Rubus botruosus](#) L.H. Bailey  
[Rubus bretonis](#) L.H. Bailey  
[Rubus camurus](#) L.H. Bailey  
[Rubus canaanensis](#) H.A. Davis & T. Davis  
[Rubus cathartium](#) Fernald  
[Rubus census](#) L.H. Bailey  
[Rubus clandestinus](#) L.H. Bailey  
[Rubus coloniatus](#) L.H. Bailey  
[Rubus complex](#) L.H. Bailey  
[Rubus conabilis](#) L.H. Bailey  
[Rubus connixus](#) L.H. Bailey  
[Rubus cordialis](#) L.H. Bailey  
[Rubus cordifrons](#) (L.H. Bailey) L.H. Bailey  
[Rubus currulis](#) L.H. Bailey  
[Rubus dives](#) L.H. Bailey

[Rubus efflagellaris](#) L.H. Bailey  
[Rubus exemptus](#) L.H. Bailey  
[Rubus exutus](#) L.H. Bailey  
[Rubus fandus](#) L.H. Bailey  
[Rubus florenceae](#) L.H. Bailey  
[Rubus foliaceus](#) L.H. Bailey  
[Rubus folioflorus](#) L.H. Bailey  
[Rubus frustratus](#) L.H. Bailey  
[Rubus fuscus](#) Weihe & Nees ex Bluff & Fingert  
[Rubus geophilus](#) Blanch.  
[Rubus gordonii](#) L.H. Bailey ex Core  
[Rubus housei](#) L.H. Bailey  
[Rubus ignarus](#) L.H. Bailey  
[Rubus imperiorum](#) Fernald  
[Rubus indianensis](#) L.H. Bailey  
[Rubus inobvius](#) L.H. Bailey  
[Rubus jactus](#) L.H. Bailey  
[Rubus jaysmithii](#) L.H. Bailey  
[Rubus lassus](#) L.H. Bailey  
[Rubus longipes](#) Fernald  
[Rubus lundelliorum](#) L.H. Bailey  
[Rubus macdanielisii](#) L.H. Bailey  
[Rubus mainensis](#) L.H. Bailey  
[Rubus maltei](#) L.H. Bailey  
[Rubus masseyi](#) L.H. Bailey  
[Rubus minnesotanus](#) L.H. Bailey  
[Rubus neonefrens](#) L.H. Bailey  
[Rubus occidualis](#) (L.H. Bailey) L.H. Bailey  
[Rubus occultus](#) L.H. Bailey  
[Rubus pauper](#) L.H. Bailey  
[Rubus peracer](#) L.H. Bailey  
[Rubus pityophilus](#) S.J. Sm.  
[Rubus pohlii](#) L.H. Bailey  
[Rubus potulus](#) L.H. Bailey  
[Rubus polybotrys](#) L.H. Bailey  
[Rubus prior](#) L.H. Bailey  
[Rubus problematicus](#) L.H. Bailey  
[Rubus redundans](#) L.H. Bailey  
[Rubus rhodinsulanus](#) L.H. Bailey  
[Rubus ricei](#) L.H. Bailey  
[Rubus rosagnetis](#) L.H. Bailey  
[Rubus sanfordii](#) L.H. Bailey  
[Rubus saxis](#) L.H. Bailey  
[Rubus semierectus](#) Blanch.

[Rubus serenus](#) L.H. Bailey  
[Rubus subinnoxius](#) Fernald  
[Rubus subuniflorus](#) Rydb.  
[Rubus tantulus](#) L.H. Bailey  
[Rubus tenuicaulis](#) L.H. Bailey  
[Rubus terraltanus](#) L.H. Bailey  
[Rubus tetricus](#) L.H. Bailey  
[Rubus tracyi](#) L.H. Bailey  
[Rubus uncus](#) L.H. Bailey  
[Rubus uniflorus](#) L.H. Bailey  
[Rubus urbanianus](#) L.H. Bailey  
[Rubus usus](#) L.H. Bailey  
[Rubus arundelanus var. jeckylanus](#) (Blanch.)  
[Rubus flagellaris var. almus](#) L.H. Bailey  
[Rubus flagellaris var. humifusus](#) (Torr. & A. G.  
[Rubus flagellaris var. occidualis](#) L.H. Bailey  
[Rubus jaysmithii var. angustior](#) L.H. Bailey  
[Rubus obsessus var. unilaris](#) L.H. Bailey  
[Rubus recurvicaulis var. armatus](#) Fernald  
[Rubus villosus](#) Aiton  
[Rubus procumbens](#) Muhl.  
[Rubus brevipedalis](#) L.H. Bailey  
[Rubus clairbrowonii](#) L.H. Bailey

Recent



ITIS

World Updates

Aloes

Archaea

Bacteria

Booidea

Chiroptera

Dipodidae

Worms

Mussels

Gliridae

Lampyridae

Muroidea

Parulidae

Primates

Strepsiptera

Turtles

\*97% of all occurrences in BISON are covered by ITIS

ECOSYSTEMS

EcoINFORMA Data Hubs Data Catalog Map Viewer Related Communities



Discover and explore data resources on ecosystems and biodiversity, including ecosystem components, functions, and services.

HIGHLIGHTS

Biodiversity Resource Hub



[Biodiversity Information Serving Our Nation](#)

Ecosystem Services Resource Hub



[EnviroAtlas](#)

Land Cover Dynamics Resource Hub



[Multi-Resolution Land Characteristics Consortium](#)

[More Highlights](#)

UPDATES

[Formal Release of EcoINFORMA, Ecosystems.data.gov, and Two New Themes of Climate.data.gov](#)

On December 9th, the secretary of the U.S. Department of the Interior, Sally Jewell, formally announced during the plenary session of A Community on Ecosystem Services (ACES) 2014 conference the launch of the U.S. Ecoinformatics-based Open Resources and Machine Accessibility ... [Continued](#)

[Ecosystems.data.gov and EcoINFORMA](#)

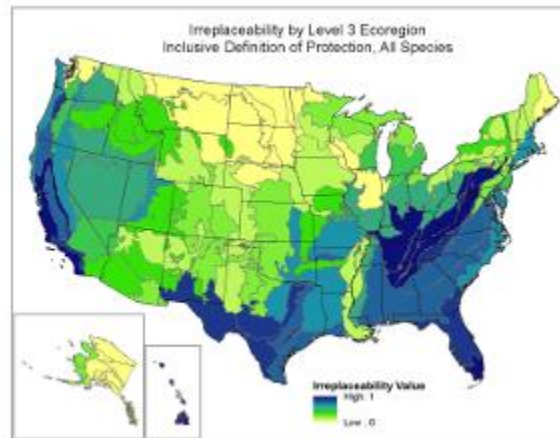
The Ecosystems Community (Ecosystems.data.gov) is now publicly available in Data.gov and provides access to ecosystem and biodiversity-related data. This community is the central web portal of the U.S. Ecoinformatics-based Open Resources and Machine Accessibility (EcoINFORMA) initiative. Visit the EcoINFORMA section ... [Continued](#)





**Promoting synergy in the innovative use of environmental data across academia, non-profits, local and state governments, industry and the Federal government**

***A workshop hosted by NatureServe and the US Geological Survey with funding from the National Science Foundation***



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