

Georgia Initiative for Stewarding  
Pesticides and Protecting Endangered  
Species while Economically Providing  
Food, Feed, and Fiber for a Growing  
World Population

Conference Room, Macon Farmers Market  
2055 Eisenhower Parkway, Macon, Georgia 31206

December 2, 2021





# Identifying Locations of Endangered Plant Species in South Georgia

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# Who is responsible for protecting Georgia's rare plants?

U.S. Fish & Wildlife Service

<https://www.fws.gov/endangered/>

Georgia Department of Natural Resources, Wildlife Resources Division,  
Wildlife Conservation

<https://georgiawildlife.com/conservation/species-of-concern>

<https://georgiabiodiversity.org/portal/>





U.S. Fish & Wildlife Service

# Endangered Species

Ecological Services

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## Endangered Species Act | Overview

- Endangered Species Act »
- Regulations and Policies
- Federal Register Notices

When Congress passed the Endangered Species Act (ESA) in 1973, it recognized that our rich natural heritage is of "esthetic, ecological, educational, recreational, and scientific value to our Nation and its people." It further expressed concern that many of our nation's native plants and animals were in danger of becoming extinct.

The purpose of the ESA is to protect and recover imperiled species and the ecosystems upon which they depend. It is administered by the U.S. Fish and Wildlife Service (Service) and the Commerce Department's National Marine Fisheries Service (NMFS). The Service has primary responsibility for terrestrial and freshwater organisms, while the responsibilities of NMFS are mainly marine wildlife such as whales and anadromous fish such as salmon.

Under the ESA, species may be listed as either endangered or threatened. "Endangered" means a species is in danger of extinction throughout all or a significant portion of its range. "Threatened" means a species is likely to become endangered within the foreseeable future. All species of plants and animals, except pest insects, are eligible for listing as endangered or threatened. For the purposes of the ESA, Congress defined species to include subspecies, varieties, and, for vertebrates, distinct population segments.

- View the [ESA \(in its entirety\)](#) . [180KB]
- For all the details, download the [ESA fact sheet](#) . [120KB]



https://www.fws.gov/endangered/



# U.S. Fish & Wildlife Service Endangered Species

Ecological Services

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You Are Here: Endangered Species Home »

## Find Endangered Species

Species in Your State and U.S. Territories:

Alabama

Species Search:

Species in Your County:

### QUICK SEARCHES

- » [Threatened and endangered animals](#)
- » [Threatened and endangered plants](#)
- » [ESA petitions under review](#)
- » [Species proposed for listing](#)
- » [Species that are candidates for listing](#)
- » [5-year Species Listing Workplan](#)
- » [Species proposed for a status change or delisting](#)

[More species searches...](#)

The number of endangered and threatened species changes as we add or remove species from the list. See how many are currently listed.

## ESA Implementation



### Ensuring an Effective Endangered Species Act

The ESA provides a broad and flexible framework to facilitate conservation with a variety of stakeholders. Learn about the tools in place that help us work with our diverse network of partners to deliver meaningful conservation.

[More Info »](#)

## News



### Humpback Chub Reclassified from Endangered to Threatened: Collaboration by Partners Has Improved Conservation Status

Thanks to the hard work of state, regional, Tribal and federal agencies, as well as private partners, significant progress has been made conserving and recovering the humpback chub...

[News Release](#)

[More News »](#)

## Species Status Assessment



### An Integrated Framework for Conservation

The Species Status Assessment was

## Get to Know Your Species



### What's in Your Backyard?

Learn about the endangered and threatened species in your area



ECOS / Species Reports / Species County Report

### Listed species believed to or known to occur in Worth, Georgia

The following report contains species that are known to or are believed to occur in this county, based on the species current range, as defined by the USFWS. The definition of current range that the FWS uses is the general geographic area where we know or suspect that a species currently occurs.

**Caveat**

This list of species by county cannot be used for consultation purposes. To obtain an official list of species that should be considered during consultation, please visit [IPaC](#).

**IPaC = Information for Planning and Conservation**

CSV



Show 10 entries

Search:

34 Species Listings

Group	Name	Population	Status	Lead Office	Recovery Plan	Recovery Plan Action Status
Insects	monarch butterfly ( <a href="#">Danaus plexippus</a> )	Wherever found	Candidate	3		
Clams	Shinyrayed pocketbook ( <a href="#">Lampsilis subangulata</a> )	Wherever found	Endangered	4	<a href="#">ACF 4 Mussels RP Amendment</a>	<a href="#">Implementation Progress</a>
Clams	Shinyrayed pocketbook ( <a href="#">Lampsilis subangulata</a> )	Wherever found	Endangered	4	<a href="#">Recovery Plan for 7 mussels</a>	<a href="#">Implementation Progress</a>
Clams	Delicate spike ( <a href="#">Elliptio arctata</a> )	Wherever found	Under Review	4		
Flowering	Relict trillium					<a href="#">Implementation</a>

Listed flowering plant species known or suspected to occur in Worth County, Georgia, downloaded from USFWS web site

Scientific Name	Common Name	Where Listed	ESA Listing Status	Lead Office	Group
<i>Balduina atropurpurea</i>	Purpledisk honeycombhead	Wherever found	Resolved Taxon	4	Flowering Plants
<i>Croton elliotii</i>	Elliott's croton	Wherever found	Resolved Taxon	4	Flowering Plants
<i>Lindera melissifolia</i>	Pondberry	Wherever found	Endangered	4	Flowering Plants
<i>Lobelia boykinii</i>	Boykin's lobelia	Wherever found	Under Review	4	Flowering Plants
<i>Minuartia godfreyi</i>	Godfrey's stitchwort	Wherever found	Under Review	4	Flowering Plants
<i>Schwalbea americana</i>	American chaffseed	Wherever found	Endangered	4	Flowering Plants
<i>Sideroxylon thornei</i>	Georgia bully	Wherever found	Under Review	4	Flowering Plants
<i>Sporobolus teretifolius</i>	Wireleaf dropseed	Wherever found	Under Review	4	Flowering Plants
<i>Thalictrum cooleyi</i>	Cooley's meadowrue	Wherever found	Endangered	4	Flowering Plants
<i>Trillium reliquum</i>	Relict trillium	Wherever found	Endangered	4	Flowering Plants





[ECOS](#) / Species Reports



## Search for a Species or Federal Register Citation

- [Species Search \(Display species names, along with other selected fields\)](#)

## Listed Species Reports

- [FWS-Listed U.S. Species by Taxonomic Group](#)
- [Foreign Species](#)
- [Distinct Population Segments \(DPS\) Report](#)
- [Listed U.S. Species occurrence by State](#)
- [Listed U.S. Species by Responsible \(Lead\) Region](#)
- [Listed Species Summary \(Boxscore\)](#)
- [Issued Biological Opinion Report](#)
- [Species Listings By Year](#)
- [Species with 4d Rules](#)
- [Species with 10j Experimental Population Rules](#)
- [Species with 4e Similarity of Appearance Rules](#)
- [Species with Critical Habitat](#)
- [Species with Recovery Plans](#)
- [Reclassified Species](#)
- [Species with Five Year Review](#)
- [Species with Current Range](#)

## Status Status Assessments

- [Species with Species Status Assessments \(SSAs\)](#)

## Petitioned, Proposed, Candidate, and Delisted Species

- [Species Proposed for Listing](#)
- [Proposed Species By State](#)
- [Endangered Species Act Petitions Received by the Fish & Wildlife Service](#)
- [Candidate Species](#)
- [Candidate Species By State](#)
- [Species Removed from Candidacy or Withdrawn from Proposals](#)
- [Non-Listed Species Precluded from Listing Due to Conservation](#)
- [Delisted Species](#)





ECOS / Home

Public Applications

- Conservation Plans
- Wildlife & Environmental Contaminants Mapper
- Information for Planning and Consultation (IPaC)
- Species Reports
- Web Services

Secure Applications

Secure Login

Related Sites

- FWS Endangered Species Program
- National Wildlife Refuge System

Threatened & Endangered Species

ECOS serves a variety of reports related to FWS Threatened and Endangered Species. A selection of our most popular reports is listed below. See the [Species Reports](#) for the complete list.

- All Threatened and Endangered Animals
- All Threatened and Endangered Plants
- Critical Habitat Report
- Section 7 Consultation Issued Biological Opinions
- Delisted Species
- Listed Species Summary (Boxscore)
- Reclassified Species

OBTAINING AN OFFICIAL SPECIES LIST:

Use [IPaC](#) to identify your project location and receive an official species list (pursuant to 50 CFR 402.12) of T&E species that should be considered when evaluating the potential impacts of a project.

ADDITIONAL SEARCH TOOLS:

Search for a Listed species by name:

Search for a Listed species by County name:

Wildlife & Environmental Contaminants Mapper

The Wildlife & Environmental Contaminants Mapper displays the locations of over 100,000 samples from the "Environmental Contaminants Database Management System" (ECDMS). Click on sample collection locations to view the details about the samples, and download available results from laboratory tests performed.

- Use the [Wildlife & Environmental Contaminants Mapper](#)

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POLICIES

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- Privacy
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ABOUT

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- USA.gov
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## Generate Species List

### Query Options

Note: Multiple choices within the selection boxes use an OR condition; between selection boxes an AND condition is used.

#### The Field(s) to Search

- Common Name
- Scientific Name
- Family

#### Search Term

#### Federal Listing Status

- Endangered (E)
- Threatened (T)
- Emergency Listing, Endangered (EmE)
- Emergency Listing, Threatened (EmT)
- Experimental Population, Essential (EXPE)
- Experimental Population, Non-Essential (EXPN)

#### Minimum Date Species First Listed

#### Maximum Date Species First Listed

### Display Options

#### Report Header

#### Group Type

- All
- Vertebrates
- Invertebrates
- Plants

#### Taxonomic Groups

- All
- Mammals
- Birds
- Reptiles
- Amphibians

#### U.S., Foreign, FWS, or NMFS Listed Species

- All
- U.S. Listed
- Foreign Listed
- NMFS Lead
- FWS Lead

#### FWS Lead Region

- All
- Pacific Region (1)
- Southwest Region (2)
- Great Lakes-Big Rivers Region (3)
- Southeast Region (4)

#### States of Occurrence \*

- All
- Alabama
- Alaska
- Arizona
- Arkansas

#### Regions of Occurrence \*

- All
- Pacific Region (1)
- Southwest Region (2)
- Great Lakes-Big Rivers Region (3)
- Southeast Region (4)

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We are the federal agency dedicated to conserving wildlife, plants, and habitats for the American people.

The [Southeast Region](#) serves [Alabama](#), [Arkansas](#), [Florida](#), [Georgia](#), [Kentucky](#), [Louisiana](#), [Mississippi](#), [North Carolina](#), [South Carolina](#), [Tennessee](#), [Puerto Rico](#) and the [U.S. Virgin Islands](#).

  
FIND LOCAL OFFICES

# Sources of data on Georgia's rare plants

Georgia Department of Natural Resources, Wildlife Resources Division, Wildlife Conservation, is the central repository of data on Georgia's rare plants.

Headquarters:

2067 US Highway 278 SE, Social Circle, GA 30025

(706) 557-3303

Lisa Kruse, Senior Botanist

In addition to state funding, Wildlife Conservation receives funding from the U.S. Fish & Wildlife Service for inventory work on federally listed rare species.

Status surveys



**ELEMENT OCCURRENCE (EO) ASSESSMENT CRITERIA**

**Quality** – based upon size and productivity of the population and vigor of its individuals

**Condition** – based upon whether the habitat is pristine or degraded and upon its potential for recovery and whether it is or has been subjected to regular and frequent burning

**Viability** – based upon the long-term prospects for the continued existence of the population at the indicated level of quality

**Defensibility** – based upon the degree to which the population can be protected from detrimental anthropogenic effects

Each EO was rated in each of the preceding criteria, using the following scale:

**A** (value of 4) = excellent, **B** (value of 3) = good, **C** (value of 2) = fair, **D** (value of 1) = poor

**Sources:**

Carter, R. and W.W. Baker. 2009. Status survey and search efforts for *Schwalbea americana* L. (American chaffseed) in Georgia – Final report. Unpublished report to Georgia Department of Natural Resources. Social Circle, Georgia. 191 pp.

Carter, R. and W.W. Baker. 2014. Status survey and search efforts for *Schwalbea americana* L. (American chaffseed) in Georgia: 2013–2014 – Final report. Unpublished report to Georgia Department of Natural Resources. Social Circle, Georgia. 163 pp.

EO Site Name	Area (m <sup>2</sup> )	Number of Individuals (Year)	Ranking
Arcadia 01	1886	283 (2007)	B- (2.75)
Arcadia 01a	20	5 (2007)	B- (2.75)
Arcadia 02	12352	4 (2007)	B- (2.75)
Arcadia 02a	incl	17 (2007)	B- (2.75)
Arcadia 03	NA	7 (2006)	B (3.00)
Arcadia 03a	28	26 (2007)	B (3.00)
Arcadia 04	3649	86 (2007)	A- (3.75)
Arcadia 04a	3	4 (2007)	C (2.25)
Arcadia 05	2910	126 (2007)	A- (3.75)
Arcadia 06	NA	15 (2007)	A- (3.75)
Arcadia 07	1603	30 (2006), 8 (2007)	A- (3.75)
Arcadia 07a	1331	70 (2006), 4 (2007)	A- (3.75)
Arcadia 08	1342	125 (2006), 18 (2007)	B (3.00)
Arcadia 09	10	9 (2007)	B (3.00)
Doerun 01	NA	2 (2008)	B+ (3.25)
Doerun 02	NA	1 (2008)	B+ (3.25)
Doerun 03	2150	100 (2008)	A (4.00)
Freeman 01	124685	581 (2008)	A (4.00)
Freeman 01a	138	13 (2008)	A (4.00)
Freeman 01b	1687	242 (2008)	A (4.00)
Freeman 01c	NA	6 (2008)	A (4.00)
Freeman 01d	NA	4 (2008)	A (4.00)
Jeffords 01	3241	393 (2007)	A (4.00)
Jeffords 01a	696	449 (2007)	A (4.00)
Jeffords 01b	1873	154 (2007)	A (4.00)
Jeffords 01c	NA	6 (2007)	A (4.00)
Jeffords 02	568	198 (2007)	A (4.00)
Jeffords 03	488	76 (2007)	A (4.00)
Jeffords 04	11	8 (2007), 26 (2008)	A- (3.75)
Jeffords 04a	557	13 (2008)	A- (3.75)
Jeffords 05	1911	335 (2007)	A (4.00)
Jeffords 05a	169	9 (2007)	A (4.00)
Jeffords-Hancock 01	9	7 (2007)	B+ (3.50)
Nilo 01	51	13 (2007)	D (1.25)
Nilo 01a	512	108 (2007)	D (1.25)
Pinewood 01	44	8 (2007), 6 (2008)	C (2.00)
Pinewood 02	132	9 (2007), 5 (2008)	B- (2.75)
Pinewood 03	79	1 (2007), 16 (2008)	C- (1.75)
Pinewood 03a	11	3 (2008)	B- (2.50)
Pinewood 04	580	9 (2008)	B- (2.75)
Pinewood 05	NA	1 (2008)	C- (1.75)
Pinewood 06	5	3 (2008)	C (2.00)



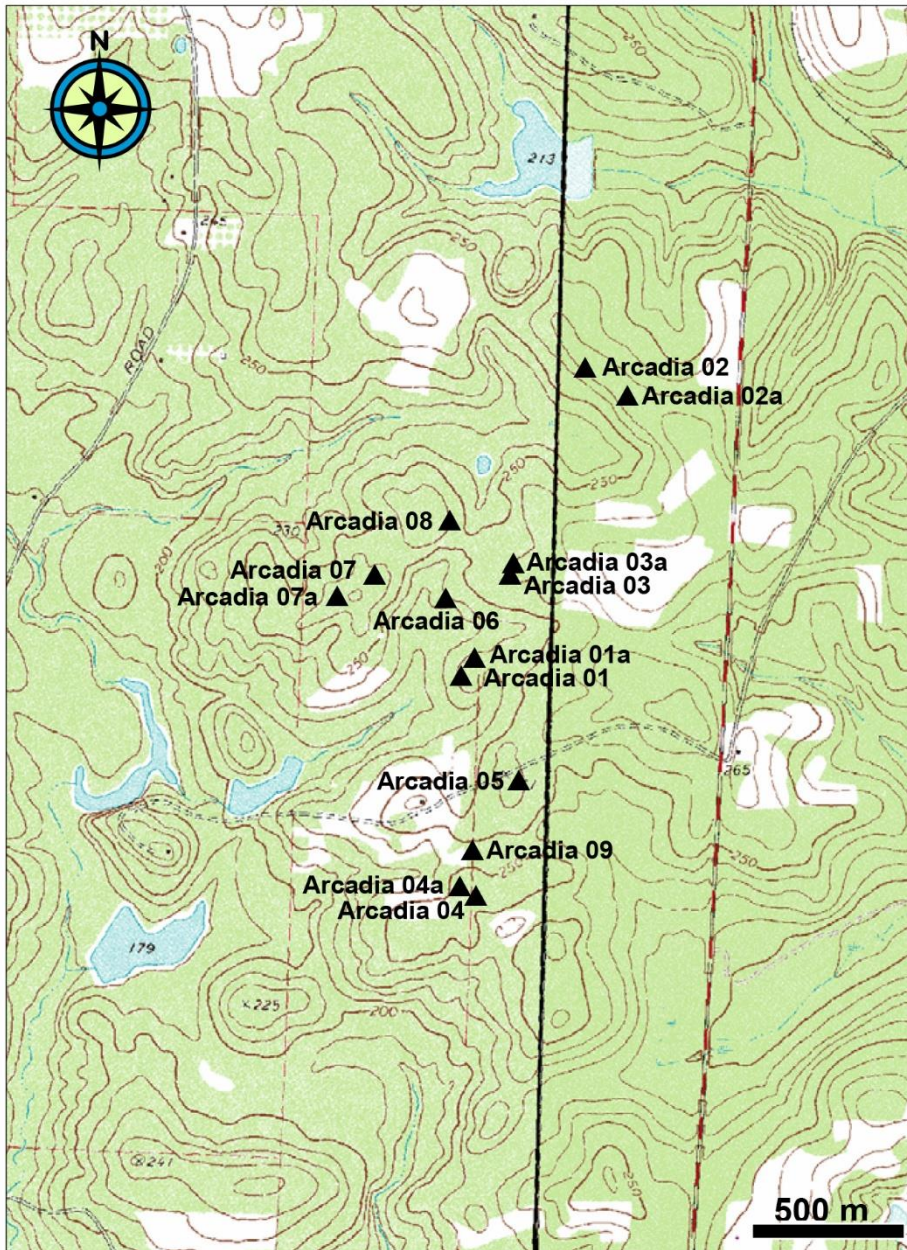


Figure B1. Location of Arcadia EO sites on Pine Park (GA) and Thomasville (GA) 7.5-min. U.S.G.S. topographic quadrangles.

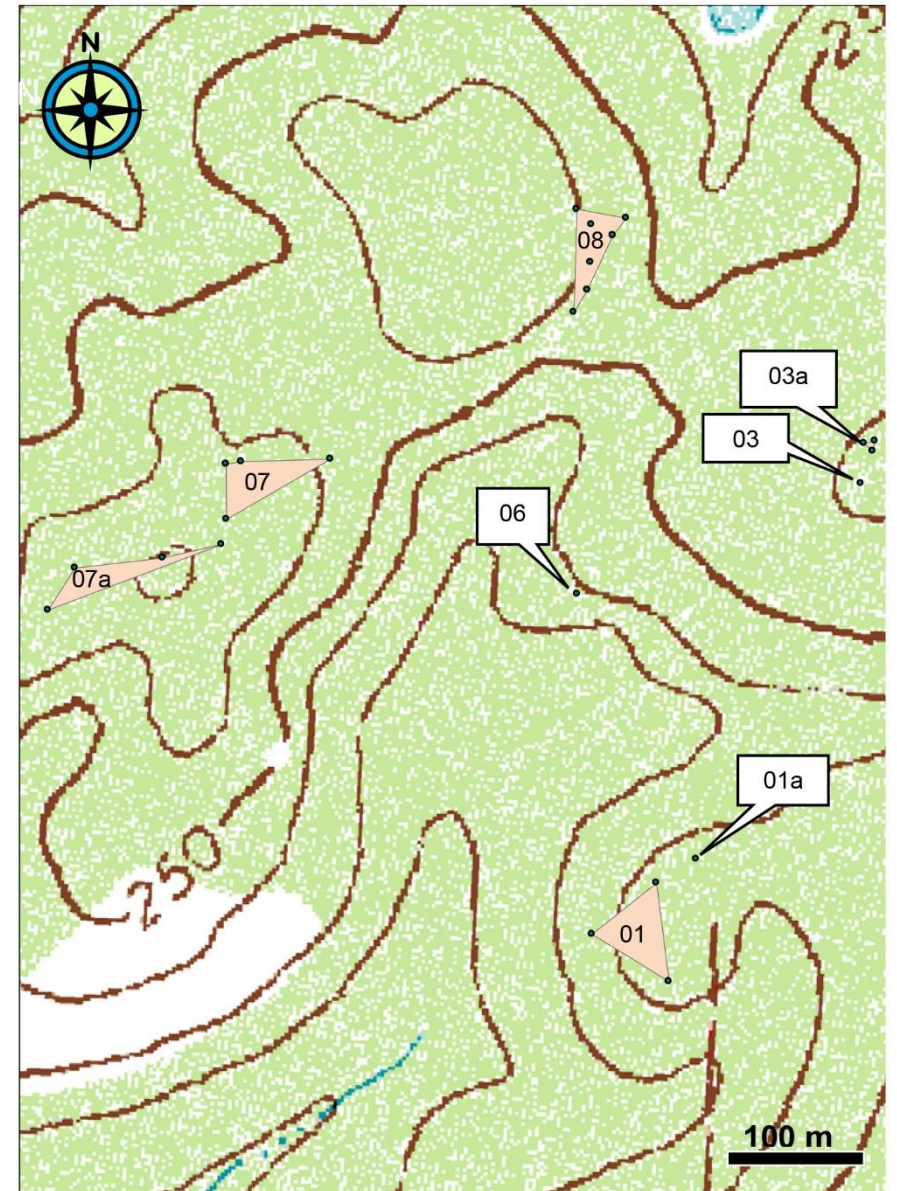


Figure B3. Location of Arcadia 01, 01a, 03, 03a, 06, 07, 07a and 08 EO site polygons and points on Pine Park (GA) 7.5-min. U.S.G.S. topographic quadrangle.

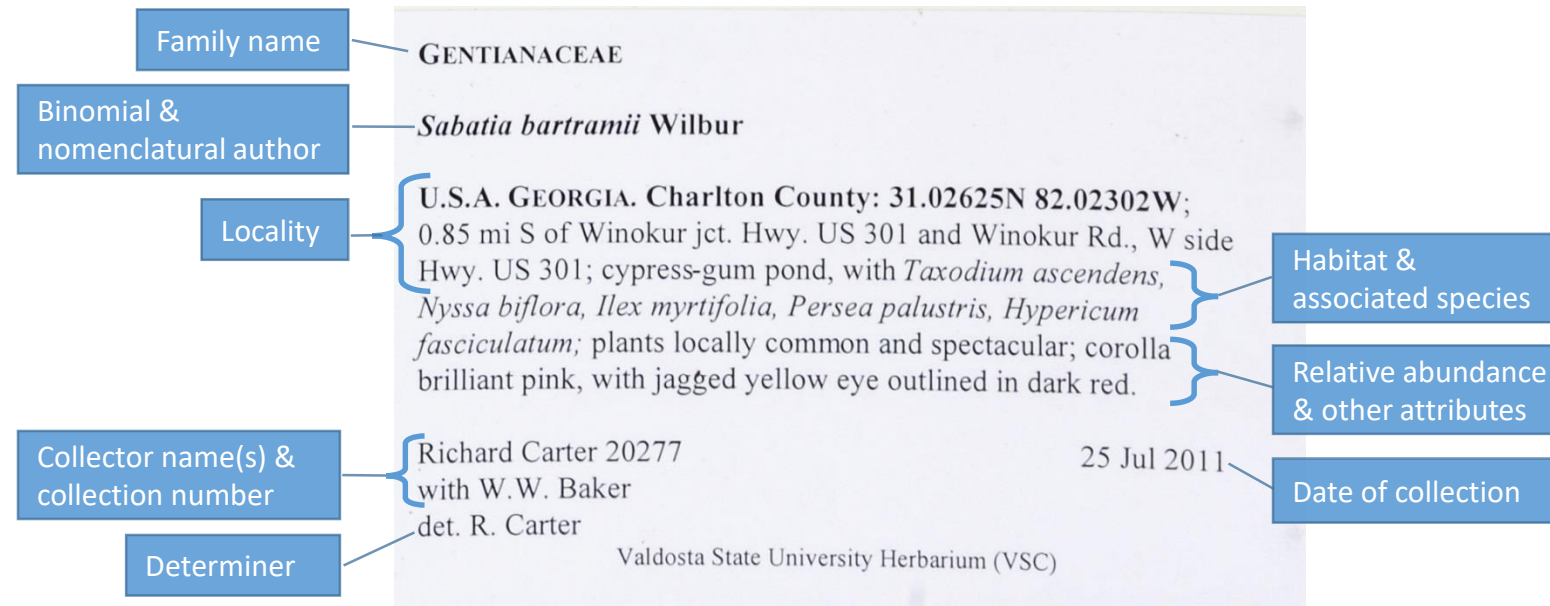


# Sources of data on Georgia's rare plants

- Data on labels of voucher specimens housed in herbarium collections and derivative virtual images of these specimens
- Reliably verified unvouchered records, e.g., populations shown in the preceding slide that are mapped on a fine scale and reported to Wildlife Conservation at the Wildlife Resources Division of Georgia DNR

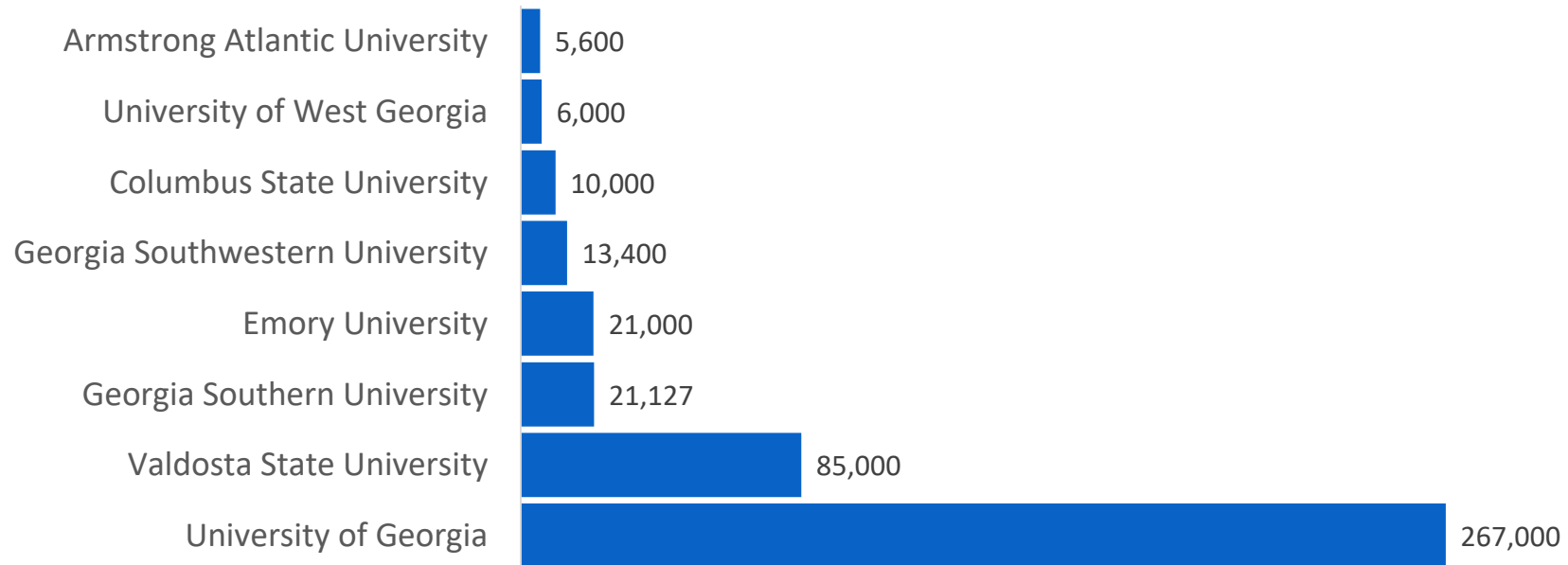


In addition to the actual preserved plant, voucher specimens bear labels that provide essential data on location, habitat, date of collection, and other attributes of the plant and population.



# Georgia's herbaria

## Numbers of accessioned specimens



Source:

Thiers, B. [continuously updated]. Index Herbariorum: A global directory of public herbaria and associated staff. New York Botanical Garden's Virtual Herbarium. <http://sweetgum.nybg.org/ih/> [17 September 2019].



# Where to find data on Georgia's rare plants

- Georgia Department of Natural Resources, Wildlife Resources Division, Wildlife Conservation, is the central repository of data on Georgia's rare plants.
- Various databases of herbarium voucher label data are available online, often linked to images of the specimens.







## Georgia Rare Species & Natural Community Data

The Wildlife Conservation Section maintains records for rare species and communities in our conservation databases. We track species and natural communities that are protected at state and federal levels or not legally protected but are considered of special conservation concern by our staff biologists. Use the bookmark links below to navigate this page.

- [View Our Data](#)
- [Submit Rare Species Data to Our Program](#)
- [Contact Information](#)

### View Our Data

#### About Our Data

Please keep in mind the limitations of our database. The data collected by the Wildlife Conservation Section comes from a variety of sources, including museum and herbarium records, literature, reports from individuals and organizations, as well as field surveys by our staff biologists. In most cases the information is not the result of a recent on-site survey by our staff. Many areas of Georgia have never been surveyed thoroughly. Our files are updated constantly as new information is received. Thus, information provided by our program represents the existing data in our files on the date indicated on these pages and should not be considered a final statement on the species or area under consideration.

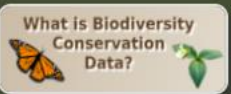
#### Current Public Data



Please visit our new [Georgia Biodiversity Portal](#). The latest rare species and natural community data can now be accessed from this data portal page. Included are rare species profiles, range maps, and rarity ranks as well as state and federal protection statuses. Also included are lists of rare species by Georgia county, quarter quad, watershed, ecoregion and more. Although the most up-to-date information can be found on the portal, you can also view the 2011 version of natural community thumbnail accounts as a pdf here: [Georgia's Natural Communities and Associated Rare Plant and Animal Species: Thumbnail Accounts](#).

#### Request Data for Environmental Review

Please view instructions on our [Environmental Review webpage](#).



Search for individual species or natural communities

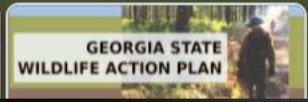
Or select one of the following species status groups



Or select a biodiversity group of interest below

All Species and Communities	Plants	Animals
Mammals	Birds	Reptiles
Amphibians	Fishes	Insects Arthropods
Aquatics	Crayfishes	Mollusks
Bats	Herps	Natural Plant Communities

Additional Biodiversity Conservation Information





... Search for individual species or natural communities

**Rare Plants  
by List**

---

Species descriptions, rarity ranks,  
protection statuses, habitats and  
other information

**Rare Plants  
by Location**

---

Rare species by Georgia county,  
quarter quad, watershed, ecoregion,  
and other unit areas



To report bugs, or otherwise comment on this data portal please contact [gabiodata@dnr.ga.gov](mailto:gabiodata@dnr.ga.gov).



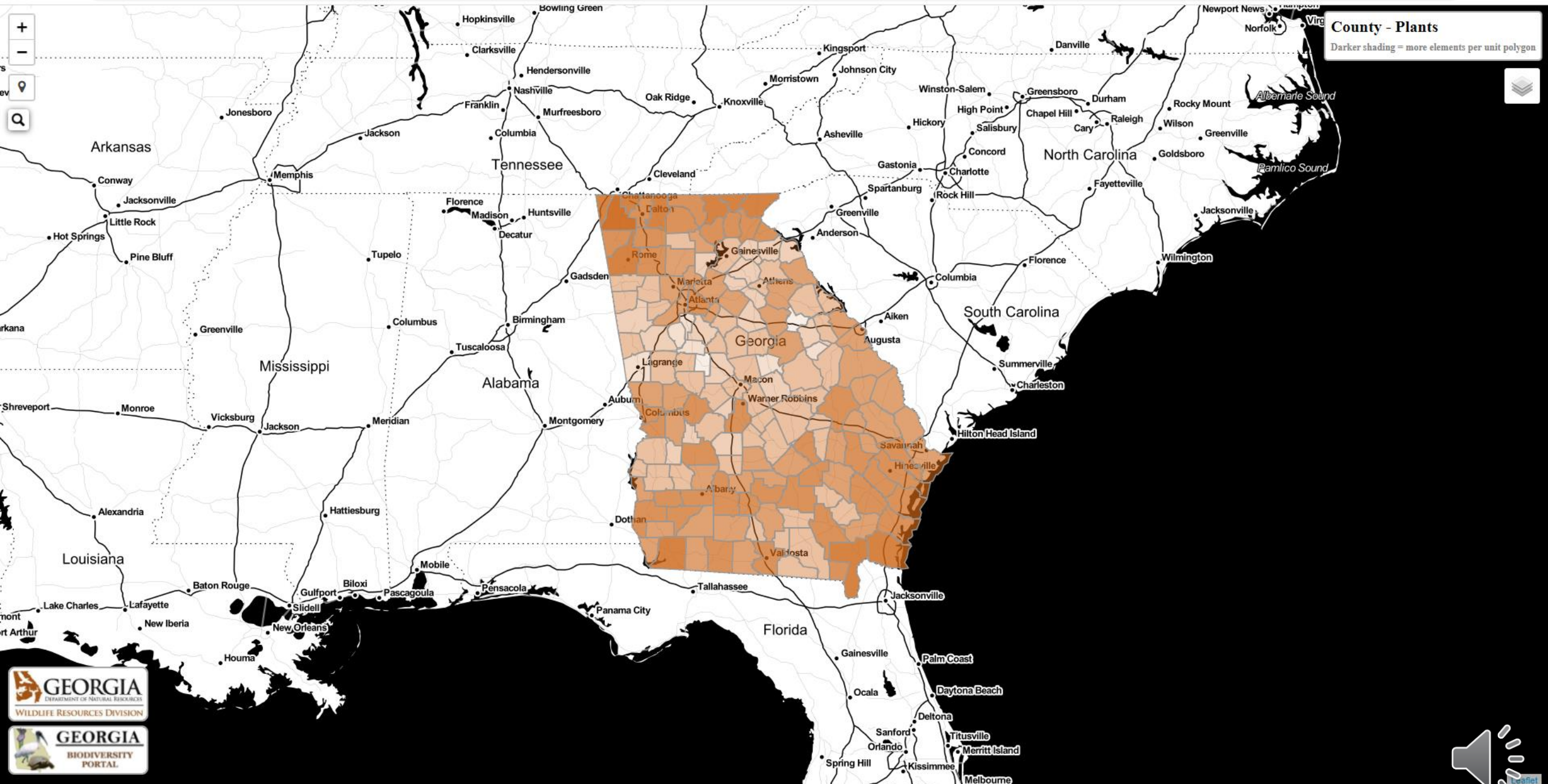
## Rare Plants By Location

This page has information about the location of rare natural elements. The locations have been generalized (made less precise) by assigning various map units to the locations. If you require exact locations of rare natural elements, please submit an information request. For details, see instructions at [Requesting Information for Sites](#)

## Get Element Locations by Clicking on Map Units







County - Plants  
Darker shading = more elements per unit polygon







## All Rare Plants within Webster County

CSV Excel Less Columns Rows filtered / total: 3 / 3 -- Records updated October 8, 2021

Profile	Scientific Name	Common Name	GA Prot	US Prot	GRank	Rnd GRank	SRank	Rnd SRank	SwapStatus	ES_ID	Element Code	Group	Georgia Habitat Summary	EO Count	Export
	filter column...	filter column...	filter colu	filter colu	filter col	filter column..	filter col	filter column.	filter column..	filter cc	filter column...	filter co	filter column...	filter columi	filter col
<a href="#">Profile</a>	<i>Hexastylis shuttleworthii</i> var. <i>harperi</i>	Harper Wild Ginger			G4T3	T3	S2S3	S2	No	15947	PDARI03071	Plant	Low terraces in floodplain forests; edges of bogs	21	October
<a href="#">Profile</a>	<i>Quercus arkansana</i>	Arkansas Oak			G3	G3	S2S3	S2	No	18231	PDFAG05040	Plant	Sandy upper ravine slopes	32	October
<a href="#">Profile</a>	<i>Rudbeckia auriculata</i>	Swamp Black-eyed Susan	E		G2	G2	S1	S1	Yes	21146	PDAST85010	Plant	Swampy woods	2	October

Piedmont counties of Talliafero and Lamar have no [0] recorded rare plant elements.



## All Rare Plants within Camden County

CSV Excel Less Columns Rows filtered / total: 70 / 70 – Records updated October 8, 2021

Profile	Scientific Name	Common Name	GA Prot	US Prot	GRank	Rnd GRank	SRank	Rnd SRank	SwapStatus	ES_ID	Element Code	Group	Georgia Habitat Summary	EO Count	Export Date
	filter column...	filter column...	filter colu	filter colu	filter col	filter column.	filter col	filter column.	filter column..	filter co	filter column...	filter co	filter column...	filter columi	filter column..
<a href="#">Profile</a>	<i>Acacia farnesiana</i>	Sweet Acacia			G5	G5	S1	S1	No	19052	PDFAB021V0	Plant	Sandy flats behind dunes; op...	4	October 8, 2021
<a href="#">Profile</a>	<i>Aeschynomene vi...</i>	Sticky Joint-vetch			G5?	G5	S1?	S1	No	19951	PDFAB04090	Plant	Sandy pinelands; saltmarsh e...	8	October 8, 2021
<a href="#">Profile</a>	<i>Agalinis filifolia</i>	Seminole Purple ...			G4?	G4	S2?	S2	No	15439	PDSCR010A0	Plant	Dry, sandy, longleaf pinelands	6	October 8, 2021
<a href="#">Profile</a>	<i>Agalinis maritima ...</i>	Saltmarsh Purple ...			G5TNR	TNR	S1	S1	No	34911	PDSCR010H1	Plant	Saltmarsh	1	October 8, 2021
<a href="#">Profile</a>	<i>Andropogon brach...</i>	Shortspike Bluestem			G4	G4	S1?	S1	No	20580	PMPOA0C030	Plant	Wet flatwoods, pond margins...	6	October 8, 2021
<a href="#">Profile</a>	<i>Asimina pygmaea</i>	Dwarf Pawpaw			G4	G4	S1?	S1	No	21988	PDANN02050	Plant	Flatwoods, wet savannas	8	October 8, 2021
<a href="#">Profile</a>	<i>Asplenium heteror...</i>	Morzentz's Spleen...	T		G2	G2	S1	S1	Yes	18939	PPASP020J0	Plant	Limestone and marl outcrops...	5	October 8, 2021
<a href="#">Profile</a>	<i>Calopogon multifo...</i>	Many-flowered Gr...			G2G3	G2	SH	SH	No	19752	PMORC0C020	Plant	Wet savannas; pitcherplant b...	5	October 8, 2021
<a href="#">Profile</a>	<i>Carex chapmanii</i>	Chapman's Sedge			G3	G3	S2S3	S2	No	20275	PMCYP032R0	Plant	Small stream terraces; hydric...	5	October 8, 2021
<a href="#">Profile</a>	<i>Carex dasycarpa</i>	Velvet Sedge	R		G4?	G4	S3	S3	No	15939	PMCYP033F0	Plant	Evergreen hammocks; mesic...	21	October 8, 2021
<a href="#">Profile</a>	<i>Carex decomposita</i>	Cypress-knee Se...			G3G4	G3	S2?	S2	Yes	21206	PMCYP033K0	Plant	Swamps and lake margins on...	7	October 8, 2021
<a href="#">Profile</a>	<i>Carex gholsonii</i>	Gholson's Sedge			G4G5	G4	S2?	S2	No	33667	PMCYP03KG0	Plant	Calcareous bottomlands; mar...	5	October 8, 2021
<a href="#">Profile</a>	<i>Carex godfreyi</i>	Godfrey's Sedge			G3G4	G3	S2?	S2	No	15882	PMCYP03KE0	Plant	Forested depressional wetlan...	9	October 8, 2021
<a href="#">Profile</a>	<i>Coreopsis integrif...</i>	Ciliate-leaf Tickseed	T		G1G2	G1	S1S2	S1	Yes	17909	PDAST2L0D0	Plant	Floodplain forests, streamba...	13	October 8, 2021
<a href="#">Profile</a>	<i>Ctenium floridanum</i>	Florida Orange-gr...			G2	G2	S1	S1	Yes	20783	PMPOA1T020	Plant	Moist pine barrens	11	October 8, 2021
<a href="#">Profile</a>	<i>Dalea carnea</i>	Pink-tassels			G5	G5	S1?	S1	No	20877	PDFAB1A080	Plant	Dry pinelands with saw palm...	1	October 8, 2021
<a href="#">Profile</a>	<i>Eleocharis albid</i>	White Spikerush			G4G5	G4	S2S3	S2	No	18509	PMCYP09030	Plant	Brackish pools	14	October 8, 2021
<a href="#">Profile</a>	<i>Eleocharis montana</i>	Nodose Spikerush			G5	G5	S1?	S1	No	18789	PMCYP09130	Plant	Marshy shores and peaty de...	3	October 8, 2021
<a href="#">Profile</a>	<i>Eleocharis montev...</i>	Spikerush			G5	G5	S3?	S3	No	22175	PMCYP09140	Plant	Wet sands on barrier islands;...	6	October 8, 2021
<a href="#">Profile</a>	<i>Elyonurus tripsaco...</i>	Pan-american Bal...			G5?	G5	SH	SH	No	16945	PMPOA2G020	Plant	Pine savannas	5	October 8, 2021
<a href="#">Profile</a>	<i>Epidendrum magn</i>	Greenfly Orchid	U		G4	G4	S3	S3	No	22327	PMORC10050	Plant	Epiphytic on limbs of evergre...	83	October 8, 2021

Camden County with 70 recorded rare plant elements is among the richest of Georgia's counties for rare plant species.



## All Rare Plants within Worth County

CSV Excel Less Columns Rows filtered / total: 34 / 34 – Records updated November 29, 2021

Profile	Scientific Name	Common Name	GA Prot	US Prot	GRank	Rnd GRank	SRank	Rnd SRank	SwapStatus	ES_ID	Element Code	Group	Georgia Habitat Summary	EO Count	Export Date
	filter column...	filter column...	filter colu	filter colu	filter col	filter column.	filter col	filter column.	filter column..	filter co	filter column...	filter co	filter column...	filter columi	filter column..
<a href="#">Profile</a>	<i>Angelica dentata</i>	Sandhill Angelica			G2G3	G2	S2	S2	No	22381	PDAP107090	Plant	Longleaf pine-wiregrass sava...	19	November 29,...
<a href="#">Profile</a>	<i>Balduina atropur...</i>	Purple Honeycom...	R		G2	G2	S2S3	S2	Yes	19417	PDAST0Z020	Plant	Wet savannas, pitcherplant b...	83	November 29,...
<a href="#">Profile</a>	<i>Callirhoe papaver</i>	Woodland Poppy-...			G5	G5	S2S3	S2	No	22184	PDMAL0A060	Plant	Openings in oak-pine forests	8	November 29,...
<a href="#">Profile</a>	<i>Chamaecrista dee...</i>	Florida Senna			G2G4Q	G3	S1?	S1	Yes	20200	PDFAB470K0	Plant	Sandhill scrub; longleaf pine-...	12	November 29,...
<a href="#">Profile</a>	<i>Croton elliotii</i>	Pondshore Croton			G3	G3	S2S3	S2	Yes	19799	PDEUP0H0C0	Plant	Pond margins and wet savan...	57	November 29,...
<a href="#">Profile</a>	<i>Drosera tracyi</i>	Tracy's Dew-threads			G3G4	G3	S1	S1	No	15771	PDDRO020E0	Plant	Pitcherplant bogs; grassy see...	13	November 29,...
<a href="#">Profile</a>	<i>Elyonurus tripsaco...</i>	Pan-american Bal...			G5?	G5	SH	SH	No	16945	PMPOA2G020	Plant	Pine savannas	5	November 29,...
<a href="#">Profile</a>	<i>Habenaria quinqu...</i>	Michaux Orchid	T		G4G5T4?	T4	S1	S1	Yes	17201	PMORC1A072	Plant	Moist shade, Altamaha Grit o...	9	November 29,...
<a href="#">Profile</a>	<i>soetes georgiana</i>	Georgia Quillwort			G2G3	G2	S2?	S2	No	16950	PPISO010Y0	Plant	In floodplain woods on seaso...	13	November 29,...
<a href="#">Profile</a>	<i>Lindera melissifolia</i>	Pondberry	E	LE	G3	G3	S2	S2	Yes	16447	PDLAU07020	Plant	Pond margins and wet savan...	23	November 29,...
<a href="#">Profile</a>	<i>Litsea aestivalis</i>	Pond Spice	R		G3?	G3	S2	S2	Yes	19918	PDLAU08010	Plant	Cypress ponds; swamp marg...	78	November 29,...
<a href="#">Profile</a>	<i>Lobelia boykinii</i>	Boykin's Lobelia			G2G3	G2	S2?	S2	Yes	21766	PDCAM0E050	Plant	Cypress ponds, sometimes w...	35	November 29,...
<a href="#">Profile</a>	<i>Macranthera flam...</i>	Flameflower	T		G3	G3	S1?	S1	Yes	21575	PDSCR13010	Plant	Wet, sandy thickets; pitcherpl...	15	November 29,...
<a href="#">Profile</a>	<i>Marshallia ramosa</i>	Pineland Barbara ...	R		G2G3	G2	S2	S2	No	19910	PDAST68060	Plant	Altamaha Grit outcrops; open...	45	November 29,...
<a href="#">Profile</a>	<i>Matelea floridana</i>	Florida Milkvine			G2	G2	S1	S1	Yes	20426	PDASC0A0D0	Plant	Open bluff forests	4	November 29,...
<a href="#">Profile</a>	<i>Mecardonia acumi...</i>	Littleleaf Mecardo...			G5TNR	TNR	S1	S1	No	20624	PDSCR16012	Plant	Edges of pond margins, som...	1	November 29,...
<a href="#">Profile</a>	<i>Minuartia godfreyi</i>	Godfrey's Stitchwort			G1	G1	SH	SH	No	34877	PDCAR0G0D0	Plant	Calcareous streamsides	1	November 29,...
<a href="#">Profile</a>	<i>Oxypolis ternata</i>	Savanna Cowbane			G3	G3	S2	S2	Yes	17485	PDAP11L070	Plant	Wet pine savannas and bogs	16	November 29,...
<a href="#">Profile</a>	<i>Penstemon dissec...</i>	Cutleaf Beardtongue	R		G2	G2	S2	S2	No	20605	PDSCR1L220	Plant	Altamaha Grit outcrops and a...	37	November 29,...
<a href="#">Profile</a>	<i>Platanthera integra</i>	Yellow Fringeless ...			G3G4	G3	S1	S1	Yes	20256	PMORC1Y0C0	Plant	Wet savannas, pitcherplant b...	15	November 29,...
<a href="#">Profile</a>	<i>Platanthera nivea</i>	Snowy Orchid			G5	G5	S2S3	S2	No	17442	PMORC1Y0H0	Plant	Wet savannas, pitcherplant b...	12	November 29,...

Worth County has 34 recorded rare plant species.

To demonstrate the kind of data available, I will select an example of a federally listed species, the rare shrub, *Lindera melissifolia* [pondberry].



Lindera melissifolia by Hugh and Carol Nourse. Image may be subject to copyright.

RANGE MAP | EXPLORER | About

# Lindera melissifolia (Walt.) Blume

Pondberry  
Federal Protection: Listed Endangered  
State Protection: Endangered  
Global Rank: G3  
State Rank: S2  
SWAP High Priority Species (SGCN): Yes  
Element Occurrences (EOs) in Georgia: 23  
Habitat Summary for element in Georgia: Pond margins and wet savannas

## Description

A shrub up to 6 feet (2 meters) tall, forming dense colonies of green or brown stems with yellowish bases. The leaves are 2 - 6 inches long and 1.2 - 2.4 inches wide (8 - 16 cm long and 3 - 6 cm wide), widest at or below the middle, with a rounded base and a sharply pointed tip; alternate, deciduous, drooping, both surfaces of the leaf with conspicuous netted veins and short, soft hairs; leaves smell spicy (like sassafras or root beer) when crushed. Female and male flowers are produced on separate plants, appearing before the leaves, borne in clusters of 2 - 6 flowers, each with 6 pale yellow, petal-like tepals. Fruits are 0.4 inch (1 - 1.2 cm) long, bright red, oval to round, on a stout stalk about 0.4 inch (0.9 - 1.2 cm) long; the stalk persists through the winter after the fruits are dispersed.

## Similar Species

Spicebush (*Lindera benzoin*) is a large shrub up to 15 feet tall (5 meters). Its leaves do not droop and are usually widest above the middle, tapering to a wedge-shaped base; the upper surfaces of the leaves are smooth and dark green, the lower surfaces are paler and hairy with inconspicuous veins; when crushed, its leaves and twigs smell spicy or medicinal. It is common in moist woods and floodplains in north and central Georgia.

## Related Rare Species

Bog Spicebush (*Lindera subcoriacea*) occurs in central Georgia, in or near the Fall Line Sandhills in shrubby, seepage wetlands and in streamside thickets, usually with sphagnum moss. For more information, see: [https://www.georgiabiodiversity.a2hosted.com/natels/profile?es\\_id=19894](https://www.georgiabiodiversity.a2hosted.com/natels/profile?es_id=19894)

## Habitat

Edges of sandhill ponds and limesinks, often occurring with Pondspice (*Litsea aestivalis*), see [https://www.georgiabiodiversity.a2hosted.com/natels/profile?es\\_id=19918](https://www.georgiabiodiversity.a2hosted.com/natels/profile?es_id=19918).

## Life History

Pondberry reproduces sexually and, primarily, vegetatively by the spread of stolons (horizontal, ground-level stems that root at the nodes and tips). Pondberry is dioecious, with female and male flowers on separate plants, and often forms extensive colonies of all-female or all-male plants. Female clones are usually smaller than the male clones and are often absent. Even though female







## Rare Plants By Location

This page has information about the location of rare natural elements. The locations have been generalized (made less precise) by assigning various map units to the locations. If you require exact locations of rare natural elements, please submit an information request. For details, see instructions at [Requesting Information for Sites](#)

## Get Element Locations by Clicking on Map Units





## All Rare Plants within Tempy, GA, NW Quarter Quad

CSV Excel Less Columns Rows filtered / total: 4 / 4 -- Records updated November 29, 2021

Profile	Scientific Name	Common Name	GA Prot	US Prot	GRank	Rnd GRank	SRank	Rnd SRank	SwapStatus	ES_ID	Element Code	Group	Georgia Habitat Summary	EO Count	Export Date
	filter column...	filter column...	filter colu	filter colu	filter col	filter column.	filter col	filter column.	filter column..	filter co	filter column...	filter co	filter column...	filter colum	filter column..
<a href="#">Profile</a>	<i>Drosera tracyi</i>	Tracy's Dew-threads			G3G4	G3	S1	S1	No	15771	PDDRO020E0	Plant	Pitcherplant bogs; grassy see...	13	November 29,...
<a href="#">Profile</a>	<i>Sarracenia flava</i>	Yellow Flytrap	U		G5?	G5	S3S4	S3	No	18445	PDSAR02020	Plant	Wet savannas, pitcherplant b...	147	November 29,...
<a href="#">Profile</a>	<i>Sarracenia minor</i> ...	Hooded Pitcherplant	U		G4T4	T4	S4	S4	No	33691	PDSAR02041	Plant	Wet savannas, pitcherplant b...	217	November 29,...
<a href="#">Profile</a>	<i>Schwalbea americ...</i>	Chaffseed	E	LE	G2	G2	S2	S2	Yes	19379	PDSCR1Q010	Plant	Open pinelands, as in well-m...	21	November 29,...

*Schwalbea americana* [American chaffseed] has been documented from the Tempy, GA, NW Quarter Quad.

# Other sources of data on Georgia's rare plants

Southeast Regional Network of Expertise and Collections [SERNEC]

<https://sernecportal.org/portal/index.php>

Various web sites of individual herbaria, e.g.

Robert K. Godfrey Herbarium at Florida State University

<https://herbarium.bio.fsu.edu/>

Valdosta State University Virtual Herbarium

<https://herb.valdosta.edu/>



# SERNEC

Southeast Regional Network of Expertise and Collections

## Welcome to the SERNEC data portal

**SERNEC** (SouthEast Regional Network of Expertise and Collections) is a consortium of 233 herbaria in 14 states in the southeastern USA. Our aim is to provide herbarium specimen images and metadata from one of the most botanically diverse regions of the earth with the goal of facilitating research, management planning and a well-informed public. These data span 200 years of botanical information housed in herbaria in the Southeast and are vital to studies in biodiversity, evolution, ecology and systematics to name a few. We are also working to link our efforts with those of other regional herbarium groups and with the National Resource for Advancing Digitization of Biodiversity Collections, [iDigBio](#). This site is brought to you in collaboration with the [SEINet Network](#). Please send questions or comments to the [portal manager](#).

### Interested in getting more involved?

SERNEC has many onsite and remote volunteer opportunities. We are continually running expeditions on the [Notes from Nature](#) platform and can always use help with our [georeferencing activities](#). We also encourage you to make use of our [lesson plans and activities](#).

SERNEC is currently funded by the [National Science Foundation](#) as a [Thematic Collections Network](#) with the goal of digitizing an additional 4 million specimens from the southeast United States. As part of this effort we are partnering with [CyVerse](#) for image archiving and access.

Need data? How can we help? Please contact the [PI](#) to see if we can better accommodate your research needs.

## Search Collections

[General Data Usage Policy](#)



### Plant of the Day

What is this plant?

[Click here to test your knowledge](#)



This project made possible by [National Science Foundation Award 1410069](#)



Search Criteria and Options

Collections Criteria Map Options

Reset Search

Include Synonyms

Scientific Name

Taxa:

Country:

State/Province:

County:

Locality:

Use the shape tools on the map to select occurrences within a given shape.

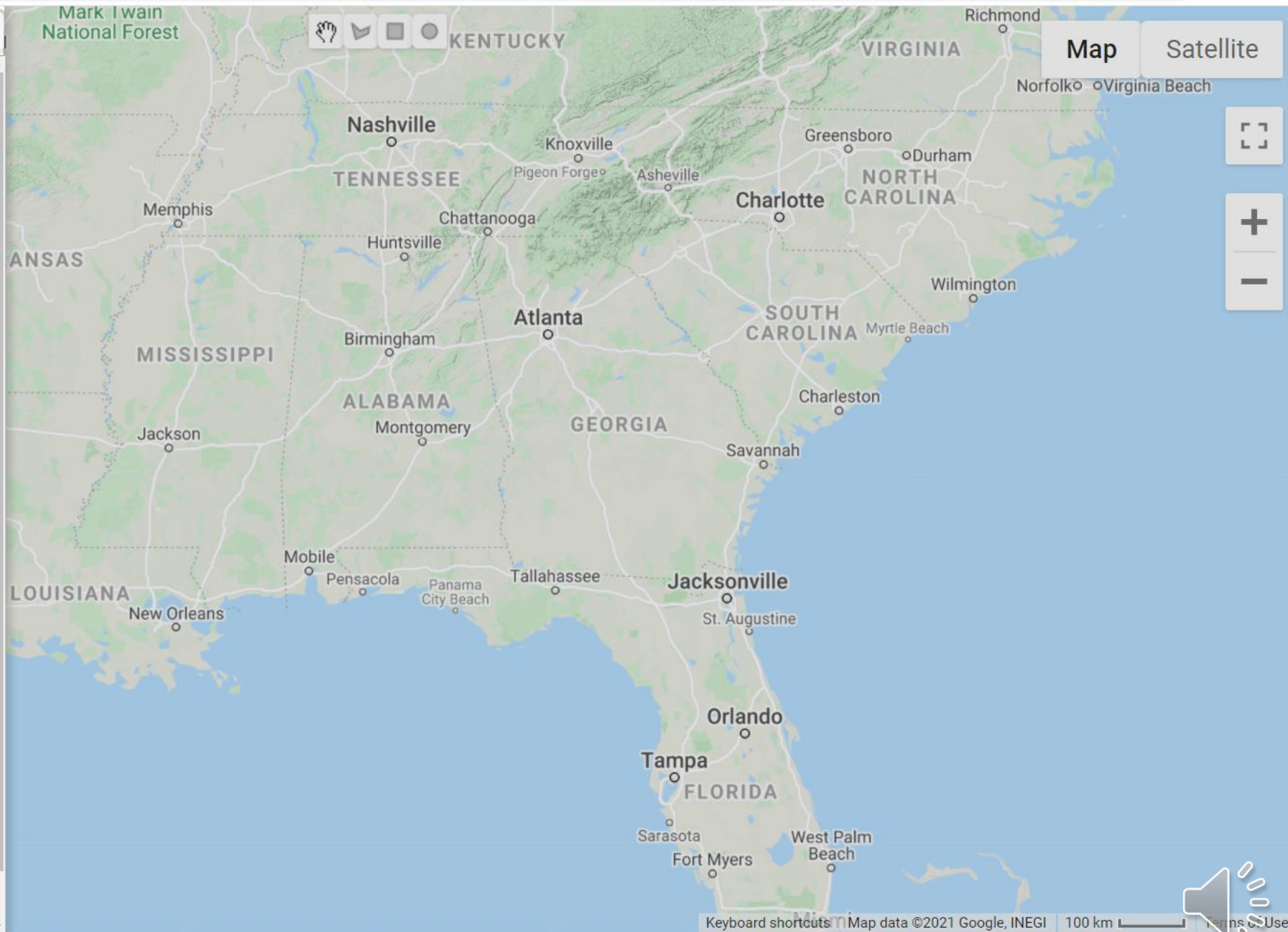
Collector's Last Name:

Collector's Number:

Collection Date:

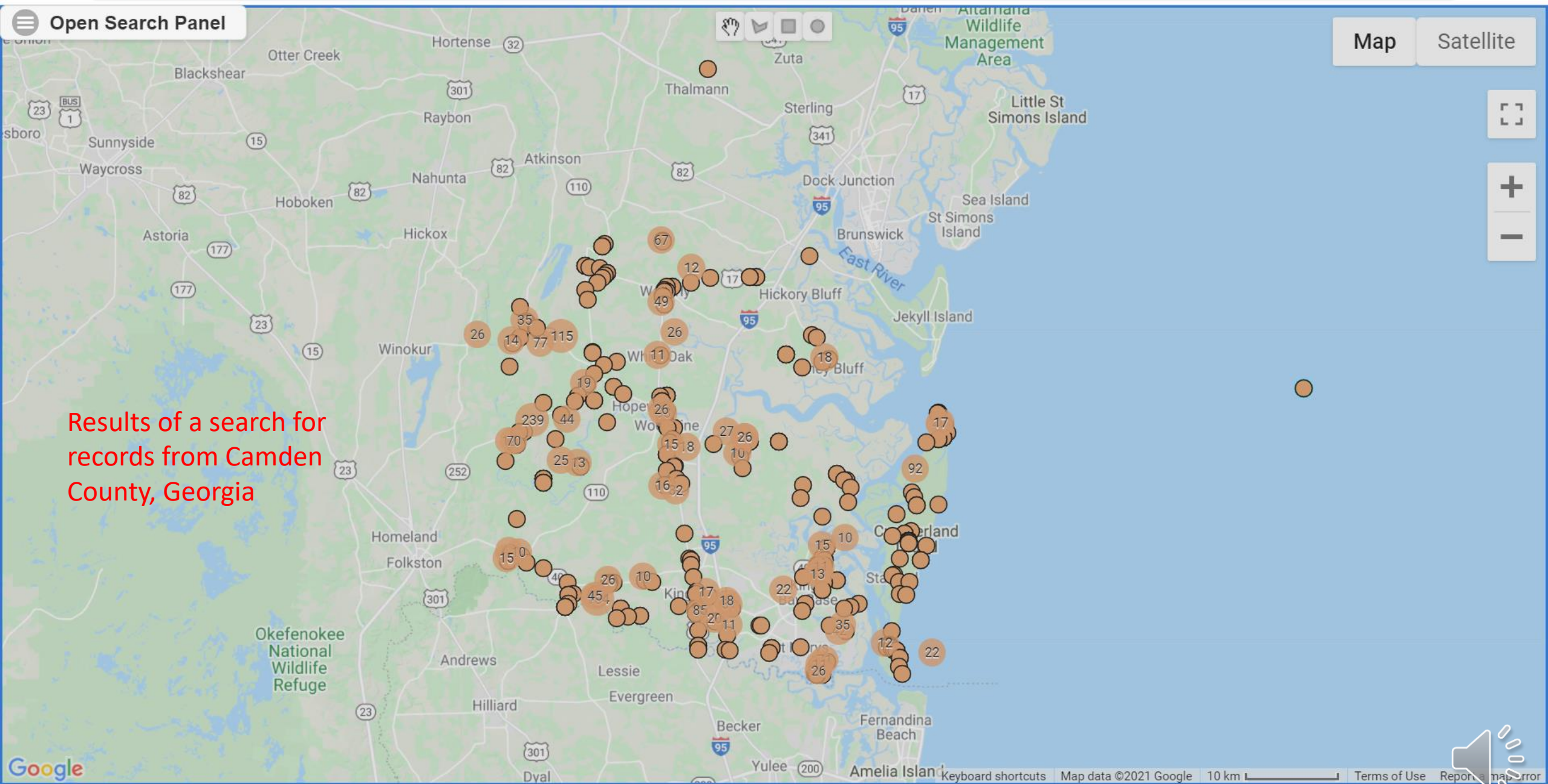
Catalog Number:

- Include other catalog numbers and GUIDs
- Limit to Type Specimens Only
- Limit to Specimens with Images Only
- Limit to Specimens with Genetic Data Only
- Include cultivated/captive occurrences



Open Search Panel

Map Satellite

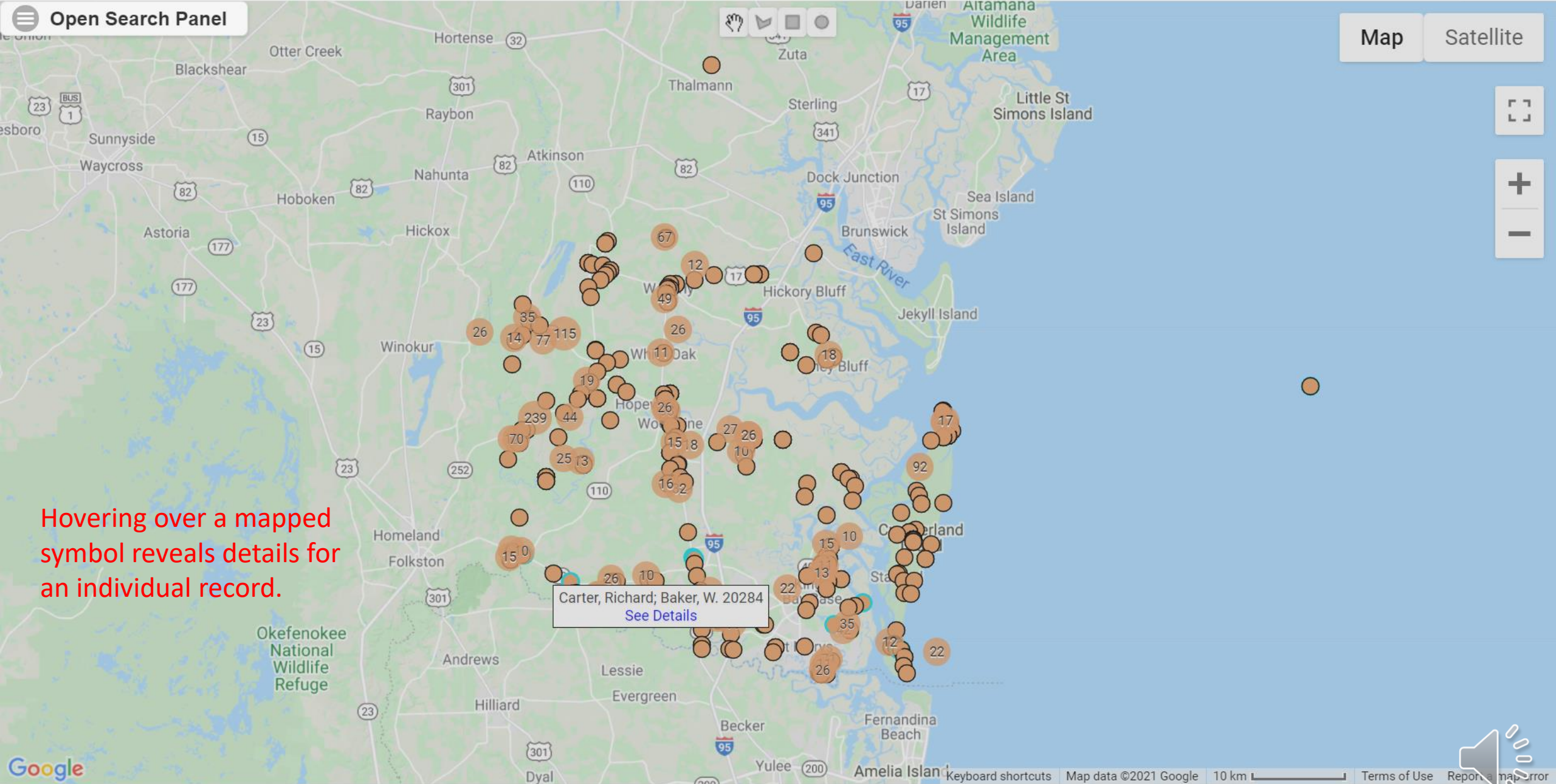


Results of a search for records from Camden County, Georgia



Open Search Panel

Map Satellite



Hovering over a mapped symbol reveals details for an individual record.

Carter, Richard; Baker, W. 20284  
[See Details](#)





## University of South Carolina, A. C. Moore Herbarium (USCH)

**Occurrence ID:** 5ea35a66-ff6d-11e2-9beb-001c23ce290f

**Secondary Catalog #:** 112215

**Taxon:** *Leitneria floridana* Chapman

**Family:** Leitneriaceae

**Determiner:** Carter, Richard

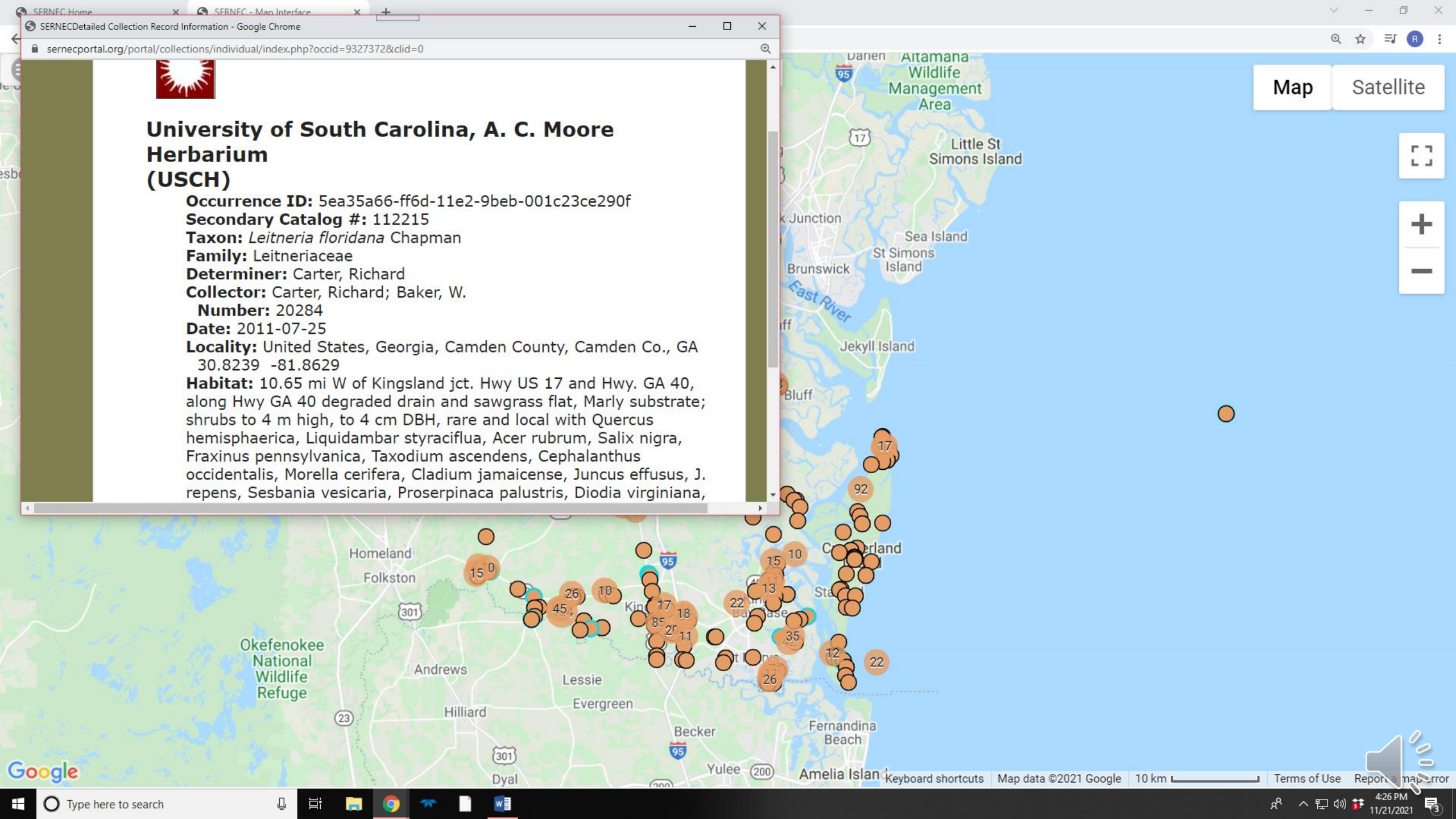
**Collector:** Carter, Richard; Baker, W.

**Number:** 20284

**Date:** 2011-07-25

**Locality:** United States, Georgia, Camden County, Camden Co., GA  
30.8239 -81.8629

**Habitat:** 10.65 mi W of Kingsland jct. Hwy US 17 and Hwy. GA 40, along Hwy GA 40 degraded drain and sawgrass flat, Marly substrate; shrubs to 4 m high, to 4 cm DBH, rare and local with *Quercus hemisphaerica*, *Liquidambar styraciflua*, *Acer rubrum*, *Salix nigra*, *Fraxinus pennsylvanica*, *Taxodium ascendens*, *Cephalanthus occidentalis*, *Morella cerifera*, *Cladium jamaicense*, *Juncus effusus*, *J. repens*, *Sesbania vesicaria*, *Proserpinaca palustris*, *Diodia virginiana*,



Map Satellite





Home >> Collections >> Search Criteria >> **Specimen Records Table**

Symbiota ID	Collection	Catalog Number	Family	Scientific Name	Collector	Number	Date	Country	State/Province	County	Locality
25175158	SAT	55536	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	Richard Carter	19773	2010-05-07	United States	Georgia	Dougherty	Chickasawhatchee Wildl
25175204	SAT	55582	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	Richard Carter	20284	2011-07-25	United States	Georgia	Camden	10.65 mi W Kingsland, ju
24517916	ICHAUWAY	0002097	Simaroubaceae	<i>Leitneria floridana</i> Chapm.	L.K. Kirkman, M.B. Drew	3128	1993-09-09	United States	Georgia	Baker	
24517917	ICHAUWAY	0002098	Simaroubaceae	<i>Leitneria floridana</i> Chapm.	LK Kirkman, E Leonard and L Mason	3605	2002-07-25	United States	Georgia	Baker, Calhoun, Dougherty	
10494739	MO	698113	Simaroubaceae	<i>Leitneria floridana</i> Chapm.	James C. Solomon	5496	1976-05-12	United States	Georgia	Stephens	1.3 mi SW of the conflu
9468596	GA	GA005146	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	Carter, R	19773	2010-05-07	United States	Georgia	Dougherty County	Dougherty County, GA
9469921	GA	GA005147	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	Carter, R	19375	2009-08-14	United States	Georgia	Decatur County	Decatur County, GA
9503319	GA	GA085144	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	Carter, R	19658	2009-09-25	United States	Georgia	Dougherty County	Dougherty County, GA
9506617	GA	GA024510	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	Nordman, C	s.n.	1992-07-14	United States	Georgia	Glynn County	Glynn County, GA
9506845	GA	GA084970	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	Carter, R	19671	2010-02-19	United States	Georgia	Dougherty County	Dougherty County, GA
9526409	GA	GA085145	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	Carter, R	19953	2010-09-17	United States	Georgia	Glynn County	Glynn County, GA
9537112	GA	GA024511	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	Gillespie, J	s.n.	1924-12-10	United States	Georgia	Dougherty County	Dougherty County, GA
9542681	GA	GA024512	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	Gamble, L	s.n.	1905-06-14	United States	Georgia	Glynn County	Glynn County, GA
9545844	GA	GA085148	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	Carter, R	20284	2011-06-25	United States	Georgia	Camden County	Camden County, GA
9327372	USCH:MAIN		Leitneriaceae	<i>Leitneria floridana</i> Chapman	Carter, Richard; Baker, W.	20284	2011-07-25	United States	Georgia	Camden County	Camden Co, GA
9333228	USCH:MAIN		Leitneriaceae	<i>Leitneria floridana</i> Chapman	Carter, Richard; Baker, W.	19773	2010-05-07	United States	Georgia	Dougherty County	Chickasawhatchee WMA
9749465	VSC	VSC0059467	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	W.W. Baker,Richard Carter		2010-05-07	United States	Georgia	Dougherty County	
9752814	VSC	VSC0059182	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	W.W. Baker,P. Spivey,Richard Carter		2010-02-19	United States	Georgia	Dougherty County	
9761293	VSC	VSC0061147	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	W. W. Baker,Richard Carter		2009-09-25	United States	Georgia	Dougherty County	8.26 airmiles ESE of Lea
9770227	VSC	VSC0061146	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	Richard Carter,W. W. Baker		2009-09-25	United States	Georgia	Dougherty County	8.26 airmiles ESE of Lea
9786642	VSC	VSC0059405	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	W.W. Baker,Richard Carter		2011-07-25	United States	Georgia	Camden County	
9787945	VSC	VSC0061148	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	Richard Carter,W. W. Baker		2009-09-25	United States	Georgia	Dougherty County	8.26 airmiles ESE of Lea
9798270	VSC	VSC0059479	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	W. W. Baker,Richard Carter		2010-09-17	United States	Georgia	Glynn County	
9803033	VSC	VSC0059478	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	Richard Carter,W. W. Baker		2010-09-17	United States	Georgia	Glynn County	
9805063	VSC	VSC0059404	Leitneriaceae	<i>Leitneria floridana</i> Chapm.	W.W. Baker,Richard Carter		2011-07-25	United States	Georgia	Camden County	

Results of search for all Georgia records of *Leitneria floridana* contained in SERNEC



# THE VALDOSTA STATE UNIVERSITY VIRTUAL HERBARIUM



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## The Virtual Herbarium Project at Valdosta State University

The Valdosta State University Herbarium (VSC) provides a repository for the preservation of voucher specimens that document the flora of the Coastal Plain region of Georgia and specimens from a broader geographical area that might be useful in the study of the flora of this region and that enable specialized research on particular groups of plants carried out by faculty and students in residence at Valdosta State University and by taxonomic specialists at other institutions. VSC also provides specimens for use in teaching, and its staff responds to requests from the general public, natural resource managers, agricultural scientists, and others by providing information about plants and service determinations of unknown plants and, where appropriate, preserving vouchers relating to such.

In 2009 the Valdosta State University Herbarium established a SQL database, and in 2011 obtained support from the National Science Foundation that enabled the purchase of an imaging system and other equipment and the employment of student assistants to begin capturing images and building the database. As of early 2013, more than half of our specimens have been imaged and databased, including images and data from more than 4,000 bryophyte and lichen specimens that are being served through the Consortium of North American Bryophyte Herbaria <http://bryophyteportal.org/portal/index.php>. Specimen data and images are continually being captured. Certain families may not have been processed yet; however, eventually all will be available through the VSU Virtual Herbarium.

Dr. Austin Mast is gratefully acknowledged for sharing code developed for the R.K. Godfrey Herbarium web site at Florida State University, which provided the template for the Valdosta State University Virtual Herbarium. The National Science Foundation is gratefully acknowledged for funding digitization of the Valdosta State University Herbarium (DBI 1054366, R. Carter PI), and the Valdosta State University Faculty Research Fund (M. Holt PI, R. Carter Co-I) provided additional funding for the development of the VSU Virtual Herbarium.

The Virtual Herbarium is a collaborative project between the Odum Library and the Herbarium of Valdosta State University.



Specimen images and data can be searched by following the database links on our menu or by clicking here.

Valdosta State University Herbarium | Richard Carter



# THE VALDOSTA STATE UNIVERSITY VIRTUAL HERBARIUM



- Virtual Herbarium Home Page
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## Specimen Database Search

Please cite!

### Search Criteria

Show:  Hide:

Family:  ?

Genus:

Species:  The binomial scientific name (e.g., Pinus palustris)

Subspecies:  The binomial plus subspecific name (e.g., Marshallia graminifolia ssp. graminifolia)

Variety:  The binomial plus varietal name (e.g., Ilex decidua var. decidua)

Common Name:

Collection Date: [=]  (YYYY-MM-DD or MM-DD)

Collection Date: [=]

Collector Name:

Collection Number:

Barcode:

Location:

Habitat:

More Options: Show:  Hide:

Endangered Status:  ?

Sort By:

Output Type:

Please fill in search fields and then click the "Search" button. Searches are "and" searches, all criteria selected must be matched. All fields left blank are wildcards. In the results list click on the barcode link to view specimen details and images.

Some plant species are rare and endangered. Unless you are logged in, you will not see locality data for these species in the "Specimen Detail" pages or the images. To receive a user name and password, email your request to the director of the herbarium with an explanation of why you need locality information for those species.



To receive a user name and password, email your request to the director of the herbarium with an explanation of why you need locality information for those species.

To modify your search choose the "Show" radio button above. If you would like to sort your results differently, change the field in "Sort by" above.

**Search Results**

Results 1-21 of 21 [1] Page 1 of 1

Barcode	Family	Species	Collector(s)	Collection Number	Collection Date	Country	State	County
VSC0059479	Leitneriaceae	Leitneria floridana	Richard Carter, W. W. Baker	Sensitive Data	Sensitive Data	United States	Georgia	Glynn County
VSC0059478	Leitneriaceae	Leitneria floridana	Richard Carter, W. W. Baker	Sensitive Data	Sensitive Data	United States	Georgia	Glynn County
VSC0059404	Leitneriaceae	Leitneria floridana	Richard Carter, W.W. Baker	Sensitive Data	Sensitive Data	United States	Georgia	Camden County
VSC0059405	Leitneriaceae	Leitneria floridana	Richard Carter, W.W. Baker	Sensitive Data	Sensitive Data	United States	Georgia	Camden County
VSC0059467	Leitneriaceae	Leitneria floridana	Richard Carter, W.W. Baker	Sensitive Data	Sensitive Data	United States	Georgia	Dougherty County
VSC0059521	Leitneriaceae	Leitneria floridana	Richard Carter, W.W. Baker	Sensitive Data	Sensitive Data	United States	Georgia	Dougherty County
VSC0059181	Leitneriaceae	Leitneria floridana	Richard Carter, W.W. Baker, P. Spivey	Sensitive Data	Sensitive Data	United States	Georgia	Dougherty County
VSC0059182	Leitneriaceae	Leitneria floridana	Richard Carter, W.W. Baker, P. Spivey	Sensitive Data	Sensitive Data	United States	Georgia	Dougherty County
VSC0029669	Leitneriaceae	Leitneria floridana	Robert A. Norris	Sensitive Data	Sensitive Data	United States	Florida	Leon County
VSC0029668	Leitneriaceae	Leitneria floridana	R. K. Godfrey, Andre F. Clewell	Sensitive Data	Sensitive Data	United States	Florida	Wakulla County
VSC0029671	Leitneriaceae	Leitneria floridana	Delzie Demaree	Sensitive Data	Sensitive Data	United States	Missouri	Butler County
VSC0029672	Leitneriaceae	Leitneria floridana	Delzie Demaree	Sensitive Data	Sensitive Data	United States	Missouri	Butler County
VSC0029670	Leitneriaceae	Leitneria floridana	Delzie Demaree	Sensitive Data	Sensitive Data	United States	Missouri	Butler County
VSC0029673	Leitneriaceae	Leitneria floridana	G. E. Tucker	Sensitive Data	Sensitive Data	United States	Missouri	Ripley County
VSC0061149	Leitneriaceae	Leitneria floridana	Richard Carter, W. W. Baker	Sensitive Data	Sensitive Data	United States	Georgia	Decatur County
VSC0061147	Leitneriaceae	Leitneria floridana	Richard Carter, W. W. Baker	Sensitive Data	Sensitive Data	United States	Georgia	Dougherty County
VSC0061148	Leitneriaceae	Leitneria floridana	Richard Carter, W. W. Baker	Sensitive Data	Sensitive Data	United States	Georgia	Dougherty County
VSC0061146	Leitneriaceae	Leitneria floridana	Richard Carter, W. W. Baker	Sensitive Data	Sensitive Data	United States	Georgia	Dougherty County
VSC0068490	Leitneriaceae	Leitneria floridana	Richard Carter, D. J. Rosen	Sensitive Data	Sensitive Data	U.S.A.	Texas	Brazoria
VSC0072828	Leitneriaceae	Leitneria floridana	Richard Carter, W. W. Baker	Sensitive Data	Sensitive Data	U.S.A.	Georgia	Dougherty
VSC0072829	Leitneriaceae	Leitneria floridana	Richard Carter, W. W. Baker	Sensitive Data	Sensitive Data	U.S.A.	Georgia	Dougherty



# Some issues related to data on Georgia's rare plants

- Inadequate resolution of locality data on older voucher specimens
- Absence of recently verified data on populations
- Lack of access to data on rare species



# Possible solution

Establishing a central clearinghouse for curation of fine-scale locality data on populations of rare plants that

- Regularly updates data and maintains a current database of verified records
- Recognizes the need to protect locality data on populations of rare species
- Regulates and controls access to current, fine-scale locality data while making such data available to the public on a need-to-know basis
- Serves as an effective liaison between Georgia DNR, USFWS, and the community of agricultural scientists and producers
- Promotes research on problems related to the impact of agriculture on populations of rare species
- Is adequately funded to insure the success of its mission



