



"Keith A. Bradley"
<bradley@regionalconservati
on.org>

10/11/2005 02:51 PM

Please respond to
<bradley@regionalconservatio
n.org>

To <Dave_Martin@fws.gov>

cc "Cindy Schultz" <Cindy_Schulz@fws.gov>

bcc

Subject RE: Annual review of our candidates for Federal listing.

Dave,

In response to your request I have prepared some notes on the list of candidate species you sent, in addition to a mailed request for data on listed species.

Brickellia mosieri – IRC staff (Steve Green and Erik Fleites) has located populations at two sites in Miami-Dade County where we had previously not been able to find it: Camp Choe and at the Porter Russell Preserve. Camp Choe is a pine rockland fragment owned by the Girl Scouts. It is located on the West side of the Florida Turnpike (SR874) at 160 St. and 112 Ave. The Porter Russell Preserve is owned by the Tropical Audubon Society and is in Goulds at 124 Ave. & 222 St.

Chamaecrista lineata var. *keyensis* – plants have now been rediscovered on Cudjoe Key in pine rockland and a new colony on a roadside was discovered on Sugarloaf Key – both by Stephen Hodges in IRCs status survey in the Keys.

Dalea carthagenensis var. *floridana* – Three new populations were discovered by myself in Miami-Dade during our survey of the Natural Forest Community System. Some of these are not in the database provided to the Service because they were outside NFC boundaries. The stations are 1) on the edge of a privately owned hammock on the north edge of 210 St. between 119 and 121 Ave, 2) on the edge of a hammock owned by the Miami-Dade County Public Health Trust, the site of a health facility, at 216 St. and 102 Ave., and 3) on property owned by Florida Power and Light Co. between the Black Creek Canal and SW 214 St., between 112 and 113 Ave.

In surveys of the Big Cypress National Preserve by IRC a new population was discovered in the vicinity of Raccoon Point along 11 Mile Road in Collier County by Steve Woodmansee and Jimi Sadle. The species has also been relocated at Crandon Park on Key Biscayne in Miami-Dade County by Sam Wright of Fairchild Tropical Garden. This species is being parasitized by the introduced insect lobate lac scale at some localities (e.g. R. Hardy Matheson).

Digitaria pauciflora – I believe that the Service is aware that I discovered this species in the Big Cypress National Preserve. Large populations (at least several thousand plants) occur south of Loop Road in Monroe County in the Gum Slough/Lostmans Pines area. We have not been able to conduct a full survey in the area to determine its distribution and population size. Plants are threatened in the Big Cypress by ORV usage.

Indigofera mucronata var. *keyensis* – a new population was discovered today (October 11, 2005) by Stephen Hodges and Erik Fleites at Teatable Hammock at the south end of Upper Matecumbe Key.

Linum arenicola – a small colony exists along a roadway at a pine rockland fragment owned by IRC on the east side of 125 Ave., south of 236 Street, and on the banks of the adjacent canal. A population on Bauer Drive adjacent to the Camp Owaissa Bauer Archery Range and Country Ridge Estates has not been observed in several years. It may have become extirpated due to herbicide usage and vegetation succession on scarified land.

Linum carteri var. *carteri* – One population was destroyed in the past year – a colony in a scarified pine rockland lot in Coral Gables and Ponce & Riviera. The lot has been cleared and homes are now being constructed on the site. In addition, the population at “Old Dixie Pineland” in the pine rockland strip between US1 and Old Dixie Road south of 272 St. will soon be cleared, in large part, for construction of the Busway by Miami-Dade County. Also, the population at the USDA Chapman Field station is in excess of 100 plants, not 11-100 as we had previously reported in 1999.

Sideroxylon reclinatum ssp. *austrofloridense* – In surveys of Long Pine Key in Everglades National Park by IRC, over 10,000 plants were found to exist.

Much additional data on listed and candidate species on privately owned pine rockland fragments in Miami-Dade County has been provided to the Service in a Microsoft Access database, the result of floristic surveys of the Natural Forest Community System. Data on *Chromolaena frustrata* and *Opuntia corallicola* was provided to the Service in reports last year.

Please contact me if you need clarification on anything above or have other questions.

Keith Bradley

The Institute for Regional Conservation

From: Dave_Martin@fws.gov [mailto:Dave_Martin@fws.gov]

Sent: Wednesday, October 05, 2005 4:11 PM

To: bradley@regionalconservation.org; jmaschinski@fairchildgarden.org; craig_s_smith@nps.gov; jim_snyder@usgs.gov; kleinj@miamidade.gov; kopturs@fiu.edu; Janice.Duquesnel@dep.state.fl.us; ALievens@tlu.edu

Cc: Britta_Muiznieks@fws.gov; Phillip_Hughes@fws.gov; Cindy_Schulz@fws.gov

Subject: Annual review of our candidates for Federal listing.

I hope to see many of you later this month at Fairchild Tropical Botanic Garden, as well as some of the same people and others at the Florida Endangered Plant Advisory Council (EPAC) in early November.

In the meantime, our office has a short deadline to update information on species that are currently candidates for Federal listing. The ones under our office's jurisdiction are:

Argythamnia blodgettii Silverbrush, Blodgett's
Brickellia mosieri Brickell-bush, Florida
Chamaecrista lineata var. *keyensis* Pea, Big Pine partridge pea
Chamaesyces deltoidea ssp. *pinetorum* Sandmat, pineland
Chamaesyces deltoidea Spurge, wedge
Chromolaena frustrata Thoroughwort, Cape Sable
Consolea corallicola Florida semaphore cactus
Dalea carthagenensis var. *floridana* Florida prairie clover
Digitaria pauciflora Florida pineland crabgrass
Indigofera mucronata var. *keyensis* Florida indigo
Linum arenicola Sand flax
Linum carteri var. *carteri* Carter's small-flowered flax
Sideroxylon reclinatum ssp. *austrofloridense* Everglades bully

If you have recent information (from later than April 2005) that would help us appraise the status of these species, I'd very much appreciate hearing from you this week or early next week. Of course I'm looking forward to summarizing the results of pineland mapping by the Institute for Regional Conservation (IRC). As a taxonomic note, I've deferred to EPAC on the systematics of *Indigofera*

Our Florida Keys biologists, Britta Muiznieks (Key Largo) and Phillip Hughes (Big Pine Key) have been working on plant conservation issues in the Keys.

Based on a status survey by the IRC, I am hoping to add *Harrisia aboriginum*, the aboriginal prickly apple cactus, to the list of candidate species.

I can provide the current candidate assessment forms, or they are accessible to the public at <http://ecos.fws.gov/ecos/index.do>

David Martin
candidate conservation and plant recovery
US Fish and Wildlife Service
1339 20th Street, Vero Beach, Florida 32960
772-562-3909 ext 230; fax 772-562-4288
usual hours 8-5 M-F (lunch about 11:30 to 12)
Dave_Martin@fws.gov