

MINUTES OF THE ENDANGERED PLANT ADVISORY COUNCIL

Date: October 22, 2015

Time: 1:00 – 5:00 P.M.

Location: Doyle Conner Building, Auditorium
1911 SW 34th Street, Gainesville Florida 32608

Council Members Present:

Mr. Richard L. Moyroud, Chair – Florida Native Plant Society

Mrs. Tina Tuttle – Florida Federation of Garden Clubs

Mr. David M. Drylie, Jr. – Florida Nursery, Growers and Landscape Association

Dr. Jack Stout – Florida Committee for Rare and Endangered Plants and Animals

Dr. Suzanne Koptur – Florida International University Botanist

Members Absent:

Dr. Loran C. Anderson, Vice-Chair – Florida State University Botanist

Mr. Charles D. Daniel, III – Florida Forestry Association

Mr. Bryan K. Benson, Secretary – FDACS/Division of Plant Industry

Others Present:

Ms. Cheryl Peterson – Bok Tower Gardens

Dr. Eric S. Menges – Archbold Biological Station

Mr. Michael R. Jenkins – FDACS/Florida Forest Service

Mr. Steve W. Woodmansee – Key West Botanical Garden

Mr. Jimmy Lange – Fairchild Tropical Botanical Garden

Dr. Patti Anderson – FDACS/Division of Plant Industry

Mr. Tyson Emery – FDACS/Division of Plant Industry

Richard Moyroud opened the meeting by welcoming the council members and other interested parties. A quorum of council members was met. Introductions were made of all present.

Tyson Emery served as Council Secretary while Bryan Benson was working on the Oriental Fruit Fly Eradication Program in Miami-Dade County.

Richard Moyroud requested council members to review the proposed agenda. *Suzanne Koptur made a motion to accept the agenda. The motion was seconded by Tina Tuttle. Motion passed.*

Richard Moyroud asked council members if there were any questions or suggested changes to the minutes from the 2014 EPAC meeting. *Suzanne Koptur made a motion to accept the minutes from the last meeting. The motion was seconded by Tina Tuttle. Motion passed.*

Richard Moyroud briefly discussed appreciation letters for Dan Austin and Richard Gaskalla. David Drylie brought up the idea of renaming a common name on our regulated list for Dan. Request for Bryan to draft a letter of appreciation for Dan Austin.

A total of four Endangered and Threatened Native Flora Conservation Grant Applications were received this year for consideration. All four were received timely, and all met the minimum eligibility requirements for consideration. All were assigned an application number. A copy of each application was forwarded to council members for review prior to this meeting. The four applications were evaluated and ranked by council members.

The opportunity for grant applicants & past grant recipients to present on their ongoing and future conservation activities were offered to those present.

Archbold Biological Station

Eric Menges presented details outlining conservation efforts, and the past year's programs, as well as ongoing and future efforts. A copy of the 2014-2015 Final Report was provided to EPAC members.

Bok Tower Gardens

Cheryl Peterson presented details outlining conservation efforts, and the past year's programs, as well as ongoing and future program updates. A copy of the 2014-2015 Final Report was provided to EPAC members.

Fairchild Tropical Botanical Garden

Jimmy Lange presented details outlining conservation efforts, and the past year's programs, as well as ongoing activities and future plans.

Key West Botanical Garden Society

Steve Woodmansee presented details on conservation efforts and the past year's programs, as well as ongoing and future program updates.

After the presentations, council members submitted grant application evaluation forms for all applications considered. Calculations were totaled and explained.

A summary of the anticipated grant allocation is provided in the table below:

	<u>Grant Amount Requested</u>	<u>Total Funds Recommended for Fiscal Year 2016-2017</u>
Archbold Biological Station	\$100,000.00	\$74,860.61
Fairchild Tropical Botanical Garden	\$100,000.00	\$74,084.85
Bok Tower Gardens	\$100,000.00	\$74,472.73
<u>Key West Botanical Garden</u>	<u>\$37,500.00</u>	<u>\$16,581.82</u>
Totals	\$337,500.00	\$240,000.00

Tina Tuttle made a motion to use the percentage based ranking as used in past years. Jack Stout seconded. Motion passed.

There was discussion on how to add additional money to current EPAC grant. The committee discussed various ways to raise additional funding including increasing current grant, new grant proposals, private fund matching.

Request to put on agenda to discuss funding source at the next Rare Plant Task Force to be held April 14-15, 2016 at Bok Tower Gardens

Jack Stout made a motion to adjourn. Suzanne Koptur seconded. Motion passed.

THE MEETING ADJOURNED FOR THE DAY

MINUTES OF THE ENDANGERED PLANT ADVISORY COUNCIL

Date: October 23, 2015

Time: 8:00 – 10:00 A.M.

Location: Doyle Conner Building, Auditorium

1911 SW 34th Street, Gainesville Florida 32608

Council Members Present:

Mr. Richard L. Moyroud, Chair – Florida Native Plant Society

Mrs. Tina Tuttle – Florida Federation of Garden Clubs

Dr. Suzanne Koptur – Florida International University Botanist

Dr. Jack Stout – Florida Committee for Rare and Endangered Plants and Animals

Mr. David M. Drylie, Jr. – Florida Nursery, Growers and Landscape Association

Members Absent:

Mr. Charles D. Daniel, III – Florida Forestry Association

Dr. Loran C. Anderson, Vice-Chair – Florida State University Botanist

Mr. Bryan K. Benson, Secretary – FDACS/Division of Plant Industry

Others Present:

Mr. Michael R. Jenkins – FDACS/Florida Forest Service

Dr. Patti Anderson – FDACS/Division of Plant Industry

Mr. Tyson Emery – FDACS/Division of Plant Industry

Dr. Colette C. Jacano – University of Florida, Florida Museum of Natural History

Richard Moyroud opened the meeting by welcoming back the council members and other interested parties.

Additional agenda items for discussion:

- Further discussion on new funding sources for plant conservation grants
- New listing method of those plants scored lower than 5
- Review morning glory plants listed to discuss change of common name in honor of Dan Austin

David Drylie made a motion to add agenda items. Suzanne Koptur seconded. Motion passed.

Four Year Interval Review of Regulated Plant Index

Each plant listed on the regulated plant index is required to be reviewed by the council every four years. This year the list included 26 plants that were last reviewed in 2011. All plants listed below were reviewed.

ID	Scientific Name	Common Name	Notes
33	Argusia gnaphalodes	sea lavender	Listed as Tournefortia gnaphalodes in 1992
144	Chrysopsis cruiseana	Cruise's golden-aster	
145	Chrysopsis floridana	Florida's golden-aster	
1530	Cleistes bifaria	upland spreading pogonia	Added 2011
174	Croomia pauciflora	croomia	
205	Dicerandra cornutissima	Robin's mint	
207	Dicerandra immaculata	Olga's mint	
243	Eriocaulon nigrobacteatum	dark-headed hatpins	
276	Gossypium hirsutum	wild cotton	Endangered to Threatened 2011
292	Hasteola robertiorum	Gulf indian-plantain	
336	Jacquinia keyensis	joewood	
357	Lepuropetalon spathulatum	little people	
373	Litsea aestivalis	pond-spice	Raffaelea lauricola host
404	Manilkara jaimiqui	wild dilly	
406	Marshallia ramosa	Barbara's buttons	
452	Opuntia corallicola	semaphore cactus	(92 listed as O. spinosissima.
512	Pleopeltis astrolepis	star-scaled fern	
1527	Ranunculus laxicaulis	Buttercup	2007
580	Rudbeckia triloba	browneyed Susan	
604	Schizachyrium sericatum	silky bluestem	Presumed extirpated & removed; reinstated 2000 FAC.
622	Silene polypetala	fringed pink	
1528	Silene regia	Royal Catchfly	2007
630	Spigelia gentianoides	gentian pinkroot	
678	Thrinax morrisii	brittle thatch palm	From Endangered to Threatened 2007
683	Tillandsia flexuosa	twist & banded air plant	2000 FAC list has change of rank due to re-scoring.
706	Tropidia polystachya	young-palm orchid	

The following plants were discussed and edited as listed below:

- #1530 *Cliestes bifaria* – genus misspelled corrected to *Cleistis*
- #373 *Litsea aestivalis* – added note *Raffaelea lauricola* host

David made a motion to accept ratings as currently listed for the 4-year review plant list. Jack Stout seconded. Motion passed.

The following plants were proposed for listing last year (2014) and reviewed by the committee for confirmation this year:

Warea cuneifolia (Carolina pineland cress)

A = 0.5

B = 1.0

C = 0.5

D = 2.0

E = 2.0

F = 0.0

6.0 – Endangered

Suzanne Koptur made a motion to accept proposal to list Warea cuneifolia as endangered. Jack stout seconded. Motion passed.

Plantago rugelii (Rugel's plantain)

A = 0.5

B = 0.5

C = 1.0

D = 1.0

E = 2.0

F = 0.0

5.0 – Endangered

Suzanne Koptur made a motion to accept proposal to list Plantago rugelii as endangered. Jack Stout seconded. Motion passed.

Marsilea ancylopoda (water clover)

A = 0.5

B = 3.0

C = 0.5

D = 1.0

E = 2.0

F = 2.0

9.0 – Threatened

Suzanne Koptur made a motion to accept proposal to list Marsilea ancylopoda as threatened. Jack Stout seconded. Motion passed.

The following plant was proposed for de-listing last year (2014). The committee reviewed and decided to hold off until further information received and review during next meeting.

Echinodorus floridanus (Florida burhead) **PROPOSED FOR DELISTING AS NON-NATIVE**

A = 0.5

B = 1.0

C = 0.5

D = 0.0

E = 1.0

F = -1.0

2.0 – Endangered

Suzanne Koptur made a motion to not delist *Echinodorus floridanus* as non-native until further reviewed during next meeting. Jack Stout seconded. Motion passed.

Discussion on new funding source for conservation and management of plant species with lowest scores (0-5) focusing on those most rare. The list will be titled “The Most Critically Endangered Plants for Resource and Conservation Management”. A report of these plants scoring 0-5 will be prepared and sent to council members by Bryan Benson.

Discussion on matching funding for grants with a joint effort with wildlife foundation, plant societies, private parties.

The Council discussed the importance of a Council representative at the US Fish and Wildlife Meetings. Susanne Koptur will represent for the Council and report to the council. This could result in additional funding.

The Council discussed the benefits of a license tag to support research and education on endangered plants and considered the difficulties of having one approved.

Continued discussion of outreach opportunities for EPAC and native plant conservation. Some ideas include bookmarks with photos and information, coffee cups, or website enhancement. Looking into FDACS Marketing to assist. The Division of Plant Industry Botany section will work with our Public Information Office to see about building lesson plans for Ag in Classroom for endangered plants. Our grant recipients may have lessons already in place that we can leverage. Bryan Benson will see what the grant recipients have to share.

Council recommends changing of the common name of *Stylisma abdita*, included in 5B-40 from hidden stylisma to Austin’s dawn-flower, in honor Dan Austin’s contributions to the Endangered Plant Advisory Council.

David Drylie made a motion to change common name of *Sylisma abadita* to Austin’s dawn-flower. Motion seconded by Jack Stout. Motion passed.

Election of Officers

Suzanne Koptur made a motion to maintain the current officers (Mr. Richard Moyroud, Chair, and Dr. Loran Anderson, Vice Chair). Motion was seconded David Drylie. Motion passed.

Comments from Council and Interested Parties

Review for next meeting *Justicia cooleyi*, a listed species. Recent research suggests this species might not be native. Bok Tower staff members are conducting genetic research to help resolve the issue. Council will review information next year.

Discussion on spelling updates for common and scientific names. Patti will work on cleaning up for our next rule update.

Registered nursery in panhandle question selling listed plants that may be on the regulated plant index

Schedule Next Meeting

The next annual EPAC meeting in Gainesville will be scheduled for October 20 & 21, 2016.

A motion was made to adjourn by Jack Stout. Motion passed.

THE MEETING ADJOURNED

Richard Moyroud, Chair