

MINUTES OF THE ENDANGERED PLANT ADVISORY COUNCIL

Date: October 3, 2013

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
Dr. Jack Stout – Florida Committee for Rare and Endangered Plants and Animals
Dr. Suzanne Koptur – Florida International University Botanist
Dr. Loran C. Anderson, Vice-Chair – Florida State University Botanist
Mr. Bryan K. Benson, Secretary – FDACS/Division of Plant Industry

Members Absent:

Mrs. Tina Tuttle – Florida Federation of Garden Clubs
Mr. David M. Drylie, Jr. – Florida Nursery, Growers and Landscape Association
Mr. Charles D. Daniel, III – Florida Forestry Association

Others Present:

Dr. Patti Anderson – FDACS/Division of Plant Industry
Ms. Cheryl Peterson – Bok Tower Gardens
Dr. Eric S. Menges – Archbold Biological Station
Ms. Stacy A. Smith – Archbold Biological Station
Ms. Stephanie M. Koontz – Archbold Biological Station
Dr. Joyce Maschinski – Fairchild Tropical Botanical Garden
Mr. Michael R. Jenkins – FDACS/Florida Forest Service
Mr. Stephen Hodges – Key West Botanical Garden
Ms. Anne Schmidt – Florida Native Plant Society

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.

Richard Moyroud requested council members to review the proposed agenda. Additional plant review added to list for *Calliphysalis carpenter*. ***Jack Stout made a motion to accept the agenda. The motion was seconded by Suzanne Koptur. Motion passed.***

Richard Moyroud asked council members if there were any questions or suggested changes to the minutes from the 2012 EPAC meeting. ***Suzanne Koptur made a motion to accept the minutes from the last meeting. The motion was seconded by Loran Anderson. Motion passed.***

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

The opportunity for grant applicants and past grant recipients to report on their continued, ongoing and future conservation activities was offered to those present.

Fairchild Tropical Botanical Garden

Joyce Maschinski presented details outlining conservation efforts, the past year's programs, as well as ongoing activities and future plans. A copy of the final report from 2012-2013 was provided to EPAC members. Topics discussed included:

- Seed research
- Reintroductions and the legacy of Sam Wright
- Keys Tree Cactus
- Rare Fern and Orchid Program
- Fern spore germination
- Connect to Protect
- Public outreach
- Goals for 2014-2015
- Fairchild staffing
- Rare Plant Task Force Meeting – Scheduled for April 10 & 11, 2014 at Fairchild
- Q & A

Bok Tower Gardens

Cheryl Peterson presented details outlining conservation efforts, the past year's programs, as well as ongoing and future program updates. A copy of the 2012-2013 Final Report was provided to EPAC members. Topics discussed included:

- Thanks to volunteers
- Current year projects
- Seed collections
- Rare Plant Task Force Meeting
- Education and outreach
- Brooksville Bellflower (*Campanula robinsoniae*)
- Lakela's Mint (*Dicerandra immaculata*)
- Scrub Lupine (*Lupinus aridorum*)
- 2014-2015 Grant Proposal
- Thanks to Partners

Archbold Biological Station

Eric Menges presented details outlining conservation efforts, past year's programs, as well as ongoing and future efforts. A copy of the 2012-2013 Final Report was provided to EPAC members. Topics discussed include:

- Population dynamics of endemic plants (PDEP)
- *Crotalaria avonensis* introduction
- *Chrysopsis highlandsensis*
- *Euphorbia rosescens*
- *Liatris ohlingerae*
- *Polygala lewtonii*
- *Cladonia perforata*
- Education and outreach
- Acknowledgements

Key West Botanical Garden Society

Stephen Hodges presented details on conservation efforts conducted this past year in the absence of EPAC grant funding for 2012-2013. Topics discussed included:

- Lower Matecumbe Key Habitat Restoration Project
- Current species being researched at KWBG
- Cactus Barrens of the Keys
- Education and outreach
- Future direction and mapping

After the presentations, council members were requested to submit grant application evaluation forms for all applications considered. Evaluation of all forms submitted. Calculations were totaled and explained. See Appendix A for scores and calculations.

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 2013-2014</u>
Archbold Biological Station	\$100,000.00	\$76,363.64
Fairchild Tropical Botanical Garden	\$100,000.00	\$74,025.97
Bok Tower Gardens	\$100,000.00	\$73,246.75
<u>Key West Botanical Garden</u>	<u>\$37,500.00</u>	<u>\$16,363.64</u>
Totals	\$337,500.00	\$240,000.00

Loran Anderson made a motion to use the percentage based ranking as used in past years. Suzanne Koptur seconded. Motion passed.

THE MEETING ADJOURNED FOR THE DAY

MINUTES OF THE ENDANGERED PLANT ADVISORY COUNCIL

Date: October 4, 2013
Time: 8:00 – 9:00 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
Dr. Jack Stout – Florida Committee for Rare and Endangered Plants and Animals
Dr. Suzanne Koptur – Florida International University Botanist
Dr. Loran C. Anderson, Vice-Chair – Florida State University Botanist
Mr. Bryan K. Benson, Secretary – FDACS/Division of Plant Industry

Members Absent:

Mrs. Tina Tuttle – Florida Federation of Garden Clubs
Mr. David M. Drylie, Jr. – Florida Nursery, Growers and Landscape Association
Mr. Charles D. Daniel, III – Florida Forestry Association

Others Present:

Dr. Patti Anderson – FDACS/Division of Plant Industry
Ms. Stacy A. Smith – Archbold Biological Station
Ms. Stephanie M. Koontz – Archbold Biological Station
Dr. Joyce Maschinski – Fairchild Tropical Botanical Garden
Mr. Michael R. Jenkins – FDACS/Florida Forest Service
Mr. Stephen Hodges – Key West Botanical Garden
Ms. Anne Schmidt – Florida Native Plant Society

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

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 16 plants that were last reviewed in 2009. All plants listed below were reviewed.

<u>ID</u>	<u>Botanical Name</u>	<u>Common Name</u>
43	<i>Asclepias curtissii</i>	Curtis' milkweed
74	<i>Bonamia grandiflora</i>	Florida bonamia
78	<i>Brassia caudata</i>	spider orchid
113	<i>Carex chapmanii</i>	Chapman's sedge
1525	<i>Chrysopsis highlandsensis</i>	Highlands golden-aster
206	<i>Dicerandra frutescens</i>	Lloyd's mint
217	<i>Drosera intermedia</i>	water sundew
1523	<i>Euphorbia rosescens</i>	scrub spurge
293	<i>Helianthus carnosus</i>	flatwoods sunflower
759	<i>Orbexilum virgatum</i>	pineland scurfpea
464	<i>Paronychia chartacea</i>	papery whitlow-wort
606	<i>Schwalbea americana</i>	chaff seed

<u>ID</u>	<u>Botanical Name</u>	<u>Common Name</u>
1521	<i>Stenanthium gramineum</i>	eastern featherbells
760	<i>Symphyotrichum sericeum</i>	western silver aster
761	<i>Verbesina heterophylla</i>	diverseleaf crownbeard
762	<i>Xyris panacea</i>	St. Marks yellow-eyed grass

Loran Anderson made a motion to accept ratings as currently listed for the 4-year review plant list. Suzanne Koptur seconded. Motion passed.

The following plants were proposed for listing last year (2012) and reviewed by the committee for confirmation this year:

Xylosma buxifolia (muchu-gente)

A = 0.5
B = 0.5
C = 0.5
D = 1.0
E = 3.0
F = 0.0

5.5 – Endangered (new listing)

Symphoricarpos orbiculatus (Coralberry)

A = 0.5
B = 0.5
C = 0.5
D = 2.0
E = 3.0
F = 0.0

6.5 - Endangered (new listing)

Pithecellobium bahamense (Bahama blackbead)

A = 0.5
B = 0.5
C = 0.5
D = 1.0
E = 3.0
F = 0.0

5.5 - Endangered (new listing)

Suzanne Koptur made a motion to accept the proposed ratings as confirmed and include the plants in the regulated plant index. Loran Anderson seconded. Motion passed.

Discussion on the issue of newly confirmed plants and changes to the regulated plant index not being published in the online version of 5B-40 since 2003. DPI will compile any changes since the last published version of the regulated plant index and make the list available to the public and interested parties.

342	<i>Kalmia latifolia</i>	mountain laurel
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Kalmia latifolia was a carryover from last year for discussion.

Suzanne Koptur made a motion to accept the current Kalmia latifolia rating as threatened. Loran Anderson seconded. Motion passed.

1512	<i>Echinodorus floridanus</i>	Florida burhead
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Echinodorus floridanus was discussed and should be carried over to next year for review.

407	<i>Marsilea ancylopoda</i>	blunt-spined water-clover
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Marsilea ancylopoda was discussed and is likely not native; should be carried over to next year to be included in a presentation for additional review.

?	<i>Warea cuneifolia</i>	?
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This review should be carried over to next year. The committee will also review *W. sessifolia* next year in the 4-year review.

The following plants were discussed and submitted to EPAC as Proposed for Listing

Peperomia alata (winged peperomia)

- A = 0.5
- B = 0.5
- C = 0.5
- D = 1.0
- E = 2.0
- F = 0.0

4.5 – Endangered (new listing)

Calliphysalis carpenteri (carpenters brown cherry)

- A = 0.5
- B = 0.5
- C = 0.5
- D = 2.0
- E = 3.0
- F = 0.0

6.5 – Endangered (new listing)

Loran Anderson made a motion to accept both Peperomia alata and Calliphysalis carpenteri as proposed endangered. Suzanne Koptur seconded. 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 Jack Stout. Motion passed.

Comments from Council and Interested Parties

- The question was raised about published nomenclature changes. The council generally looks at taxa, not the name when giving consideration to plant ranking. From a regulatory standpoint, DPI will accept synonyms.

Schedule Next Meeting

The next annual EPAC meeting in Gainesville will be scheduled for October 23 & 24, 2014.

A motion was made to adjourn by Jack Stout and seconded by Loran Anderson. Motion passed.

THE MEETING ADJOURNED

Richard Moyroud, Chair
Bryan K. Benson, Secretary