



Florida Department of Agriculture and Consumer Services
CHARLES H. BRONSON, Commissioner
The Capitol • Tallahassee, FL 32399-0800
www.doacs.state.fl.us

Please Respond to:
Division of Plant Industry
P.O. Box 147100
Gainesville Florida 32614-7100
Telephone: 352-372-3505 ext 162
Fax: 352-955-2301

November 9, 2009

MEMORANDUM

To: Honorable Charles H. Bronson, Commissioner of Agriculture
Subject: Minutes of the Endangered Plant Advisory Council

Dear Commissioner Bronson:

Please find enclosed a copy of the minutes for the Endangered Plant Advisory Council meeting which was held on October 22 & 23, and 2009. The council was able to evaluate and rank all of the Endangered and Threatened Native Flora grant proposals submitted for Fiscal Year 2009 – 2010 and look forward to your support and approval.

It is important to mention that this is the first year that a 4th EPAC Grant application has been evaluated and recommended for approval. The Key West Botanical Gardens will be receiving grant funds to focus on 13 species associated with conservation efforts in the Florida Keys. Historically, grants have only been approved for Fairchild Tropical Botanical Garden, Archbold Biological Station and Bok Tower Gardens.

Mr. Richard Gaskalla has reviewed the minutes and recommends approval. Please let us know if you have any questions or need additional information concerning the minutes for this meeting.

Sincerely,

Bryan K. Benson
Assistant Chief - Plant Inspection
Bureau of Plant and Apiary Inspection

xc: Endangered Plant Advisory Council
Mr. Craig Meyer, Deputy Commissioner of Agriculture
Mr. Richard Gunnels, Coordinator, Advisory Councils
Mr. Richard Gaskalla, Director, Division of Plant Industry
Mr. Tyson Emery, Chief of Plant and Apiary Inspection
Mr. Rigoberto Torres, FDACS/DPI
Mr. Richard Weaver, FDACS/DPI
Interested Parties



Florida Agriculture and Forest Products
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MINUTES OF THE ENDANGERED PLANT ADVISORY COUNCIL

Date: October 22, 2009

Time: 1:00 – 5:00 P.M.

Location: Cabot Lodge, Meeting Room 2, Gainesville FL

Council Members Present:

Mr. Richard L. Moyroud – Florida Native Plant Society

Dr. Suzanne Koptur – Florida International University Botanist

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

Dr. Loran C. Anderson – Florida State University Botanist

Mrs. Tina Tuttle – Florida Federation of Garden Clubs

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

Members Absent:

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

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

Others Present:

Dr. Richard Weaver – FDACS/DPI

Mr. Tyson Emery – FDACS/DPI

Mr. Steve Hildebrandt – FDACS/DPI

Mr. Carl Weekley – Archbold Biological Station

Ms. Cheryl Peterson – Bok Tower Gardens

Mr. Sam Wright – Fairchild Tropical Botanical Garden

Ms. Carolann Sharkey – Key West Botanical Garden

Mr. Richard Keefe – Key West Botanical Garden

Dr. Stuart Pimm – Key West Botanical Garden

Mr. Michael Jenkins – FDACS/DOF

Richard Moyroud opened the meeting by welcoming the council members and other interested parties. Introductions were made of all present. Also introduced was Tina Tuttle as the newest member representing the Florida Federation of Garden Clubs and replacing Eve Hannahs. It was announced that Eve was unable to attend due to a minor injury. We wish her a speedy recovery.

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

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

A total of five Endangered and Threatened Native Flora Conservation Grant Applications were received this year for consideration. However one application (from Atlanta Botanical Garden) was received after the published deadline of July 31, 2009 and was not considered by the committee. The remaining four applicants were allowed an opportunity to present the committee with information to support consideration for approval of their respective applications.

Key West Botanical Garden Society

Representatives presented the history and mission of the KWBG. Questions about matching funds, conservation efforts, collaboration for Fairchild, and budget concerns were presented by the committee. All questions were addressed by KWBG representatives.

Fairchild Tropical Botanical Garden

Representative presented on conservation goals, past year's grant work and this year's grant work. Questions about financial statements, specific plants (*Zanthoxylum*), program sites (Oakland Park Blvd) and program management were presented by the committee. All questions were addressed by Samuel J. Wright.

Bok Tower Gardens

Representative presented on conservation efforts, the past year's programs, existing and future program updates. Questions from the committee were addressed by Cheryl Peterson.

Archbold Biological Station

Representative presented conservation efforts, the past year's programs, existing and future program updates. Questions from the committee were addressed by Carl Weekley.

After the presentations council members were requested to evaluate and rank the proposals.

The average numerical score, final ranking and requested funding for each proposal were as follows:

Archbold Biological Station	27.6	Rank – 1	\$104,575
<i>Conservation Research on State-Listed Plants Endemic to the Lake Wales Ridge</i>			
Fairchild Tropical Botanical Garden	28	Rank – 2	\$104,887
<i>Conservation of South Florida Endangered and Threatened Flora</i>			

MINUTES OF THE ENDANGERED PLANT ADVISORY COUNCIL

Date: October 23, 2009

Time: 8:00 – 12:00 P.M.

Location: Cabot Lodge, Meeting Room 2, Gainesville FL

Council Members Present:

Mr. Richard Moyroud – Florida Native Plant Society

Dr. Suzanne Koptur – Florida International University Botanist

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

Dr. Loran Anderson – Florida State University Botanist

Mrs. Tina Tuttle – Florida Federation of Garden Clubs

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

Members Absent:

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

Mr. Charles Daniel, III – Florida Forestry Association

Others Present:

Dr. Richard Weaver – FDACS/DPI

Mr. Tyson Emery – FDACS/DPI

Mr. Carl Weekley – Archbold Biological Station

Mr. Sam Wright – Fairchild Tropical Botanical Garden

Mr. Michael Jenkins – FDACS/DOF

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

Ranking Number Details

The following rankings from the last meeting are to be considered for confirmed ranking by the committee:

Geranium maculatum (wild geranium)

A = 0.5
B = 0.5
C = 0.5
D = 1.0
E = 2.0
F = 0.0 **4.5 (Endangered)**

Orbexilum virgatum (pineland scurfpea)

A = 1.0
B = 0.5
C = 0.5
D = 2.0
E = 2.0
F = -1.0 **5.0 (Endangered)**

Symphyotrichum sericeum (western silver aster)

A = 0.5
B = 0.5
C = 0.5
D = 0.0
E = 2.0
F = 0.0 **3.5 (Endangered)**

Verbesina heterophylla (diverseleaf crownbeard)

A = 2.0
B = 0.5
C = 1.0
D = 2.0
E = 1.0
F = -1.0 **5.5 (Endangered)**

Xyris panacea (St. Marks yellow-eyed grass)

A = 1.0
B = 0.5
C = 0.5
D = 3.0
E = 2.0
F = -1.0 **6.0 (Endangered)**

Loran Anderson made a motion to confirm all ranking scores. The motion was seconded by Suzanne Koptur. Motion passed. All species are to be added to the Endangered Species List.

Review Ranking Sheets

The following updated ranking sheets for confirming the status of *Asclepias viridula*, *Baptisia simplicifolia*, *Bonamia grandiflora*, *Calopogon multiflorus*, *Cleistes divaricata*, *Clitoria fragrans*, *Eriogonum floridanum*, *Panicum abscissum*, *Prunus geniculata*, *Scutellaria floridana*, and *Verbesina chapmanii* as endangered on the Regulated Plant Index were received prior to this meeting. Copies of the ranking sheets were provided to and evaluated by the committee. The final ranking numbers were as follows:

Calopogon multiflorus (many-flowered grass-pink)

A = 2.0
B = 2.0
C = 3.0
D = 4.0
E = 1.0
F = -1.0

11.0 (Threatened) was Endangered

Baptisia simplicifolia (scareweed)

A = 3.0
B = 3.0
C = 3.0
D = 4.0
E = 2.0
F = -1.0

12.0 (Threatened) no change

Verbesina chapmanii (Chapman's crownbeard)

A = 3.0
B = 3.0
C = 1.0
D = 4.0
E = 2.0
F = -1.0

12.0 (Threatened) no change

Scutellaria floridana (Florida skullcap)

A = 2.0
B = 2.0
C = 0.5
D = 4.0
E = 1.0
F = -1.0

8.5 (Endangered) Federally Listed

Asclepias viridula (green milkweed)

A = 2.0

B = 1.0

C = 3.0

D = 4.0

E = 1.0

F = 0.0

11.0 (Threatened) no change

Cleistes divaricata (spreading pogonia)

A = 0.5

B = 0.5

C = 0.5

D = 2.0

E = 1.0

F = -1.0

3.5 (Endangered) was Threatened

Panicum abscissum (cut-throat grass)

A = 2.0

B = 2.0

C = 0.5

D = 4.0

E = 1.0

F = -1.0

8.5 (Endangered) no change

Clitoria fragrans (pigeon wings)

A = 2.0

B = 2.0

C = 0.5

D = 4.0

E = 2.0

F = -1.0

9.5 (Endangered) Federally Listed

Prunus geniculata (scrub plum)

A = 2.0

B = 3.0

C = 0.5

D = 4.0

E = 2.0

F = -2.0

9.5 (Endangered) Federally Listed

Eriogonum floridanum (scrub buckwheat)

A = 2.0

B = 3.0

C = 1.0

D = 4.0
E = 1.0
F = -1.0

10.0 (Threatened) was Endangered

Bonamia grandiflora (Florida bonamia)

A = 2.0
B = 3.0
C = 1.0
D = 4.0
E = 2.0
F = -1.0

11.0 (Endangered) Federally Listed

The above listed ranking numbers are “Proposed” and will await confirmation at a future meeting.

Proposed for Listing

Council also reviewed the following ranking numbers for *Agrimonia incisa* which the council proposed to list as threatened. *Loran Anderson made the motion and Richard Moyroud seconded the motion. Motion passed.*

Agrimonia incisa (harvest lice)

A = 1.0
B = 0.0
C = 3.0
D = 4.0
E = 3.0
F = 0.0

10.0 (Threatened) was Endangered

The above listed ranking numbers are “Proposed” and will await confirmation at a future meeting.

Gossypium hirsutum

Committee discussion to remove *Gossypium hirsutum* (wild cotton) from the regulated plant index with Tyson Emery. Information and a copy of 5B-52 F.A.C. was provided describing the conflicting regulations in regards to the Boll Weevil Eradication. Concern was expressed by the committee that it would be necessary to save germplasm of this species for future scientific needs. The northern limits of this species in Florida is the central peninsula. A consensus was made by the committee to take no action at this time. A copy of a recent newspaper article on this subject can be obtained at the following link:

<http://www.dade.fnpschapters.org/pastnewslets/2009/newslet0902.html#WWMAB>.

Four Year Interval Review of Regulated Plant Index

The following plants were reviewed with no suggested changes and will be marked as updated 09:

- 43 *Asclepias curtissii* - Curtis' milkweed
- 46 *Asclepias viridula* - green milkweed
- 65 *Baptisia simplicifolia* - scareweed
- 74 *Bonamia grandiflora* - Florida bonamia
- 78 *Brassia caudata* - spider orchid
- 96 *Calopogon multiflorus* - many-flowered grass-pink
- 1522 *Carex chapmanii* - Chapman's sedge
- 1525 *Chrysopsis highlandsensis* - Highlands golden-aster
- 152 *Cleistes divaricata* - spreading pogonia
- 206 *Dicerandra frutescens* - Lloyd's mint
- 217 *Drosera intermedia* - water sundew
- 244 *Eriogonum floridanum* - scrub buckwheat
- 1523 *Euphorbia rosescens* - scrub spurge
- 271 *Garberia heterophylla* - garberia
- 276 *Gossypium hirsutum* - wild cotton
- 293 *Helianthus carnosus* - flatwoods sunflower
- 460 *Panicum abscissum* - cut-throat grass
- 464 *Paronychia chartacea* - papery whitlow-wort
- 535 *Prunus geniculata* - scrub plum
- 609 *Scutellaria floridana* - Florida skullcap
- 1521 *Stenanthium gramineum* - eastern featherbells
- 722 *Verbesina chapmanii* - Chapman's crownbeard

Motion to accept review with no changes was made by Suzanne Koptur and seconded by Loran Anderson. Motion passed.

The following plants will be revisited and not be updated until more information is available:

- 357 *Lepuropetalon spathulatum* - little people
- 373 *Litsea aestivalis* - pond-spice
- 407 *Marsilea ancylopoda* - blunt-spined water-clover

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 Dr. Jack Stout. Motion passed.

Comments from Interested Parties

Discussion of the Ambrosia beetle and Laurel wilt disease. At the present time there is no need to consider any plants as threatened or endangered in Florida.

Discussion on the definition of staff, facilities, and documentation of collaboration in regards to grant applicants.

Committee members discussed the need to add scientific publications to the grant requirements published in 581.185(11)(d).

Request for DPI to update Ranking System form (DACS-08267) to include the statement 'ALL FEDERALLY LISTED SPECIES MUST BE INCLUDED AS ENDANGERED'.

Schedule Next Meeting

We are tentatively scheduled to meet at Bok Tower Gardens in the spring. The Rare Plant Task Force is meeting in April and a one day meeting for EPAC could be scheduled for the day prior. This meeting would allow for the committee to conduct a site visit to a grant recipient and to conduct a 4-year review of a large list of plants due next year. The next annual EPAC meeting in Gainesville will be scheduled for the third week of October 2010 (October 21 & 22, 2010). The committee also discussed the coordination of meeting dates with grant applicants. Since the committee is required to achieve a quorum, the focus will be on committee members. However, grant applicants will be provided meeting dates and times as soon as they are available.

A motion is made to adjourn by Suzanne Koptur and seconded by Loran Anderson.
Motion passed.

THE MEETING ADJOURNED

Richard Moyroud, Chair

Bryan K. Benson, Secretary