



ILLINOIS ENDANGERED SPECIES

PROTECTION BOARD

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Plant Endangered Species Technical Advisory Committee (ESTAC)

Approved Minutes— Western and Central Illinois Plant ESTAC Meeting

May 25, 2018 (10:30am-3:30pm)

Illinois Natural History Survey Prairie Research Institute (Meeting room 1005)

ESTAC Members Present: Paul Marcum, Susanne Masi, Greg Spyreas, John Taft, Eric Ulaszek, John Wilker, Tim Bell, Bill McClain, and Chris Benda

ESTAC Members Absent: Beth Shimp and Randy Nyboer

Others Present: Jeremie Fant (IESPB), Janice Coons (IESPB), Mike Murphy (INHS), Jeannie Barnes (IDNR), Brenda Molano-Flores (INHS), Connie Carroll-Cunningham (INHS), Michelle Pearion (Midewin NTP), David Zaya (INHS), Kelly Neal (INPC), Heather Osborn (INPC), Julie Nieset (INHS), Susan McIntyre (INHS), Angella Moorehouse (INPC), Valerie Sivicek (INHS), Eric Janssen (INHS/NRES), Sara Johnson (INHS/NRES), Jack Zinnen (NRES), and Joyce Hofmann (IESPB)

1. **General Notes**
2. **Possible New Species for Listing**
3. **Notes on each species discussed**
4. **Attachments**

1. **General Notes of discussion**

- **Extirpation:** When do we take species off the list? Some species have not been seen in over 30 years and not sure if worth considering. Maybe gallant effort should be made to search for these species and then consider removing.
- **Reintroduction:** How should we deal with these? When are they considered natural/sustainable populations vs. reintroduced ones? Is three years of data sufficient? Specifically when dealing with federally listed species – *Platanthera leucophaea* and *Cirsium pitcheri*. Should we keep separate tallies of natural vs. reintroduced populations?
- **Protected Sites:** What is considered a protected site in database? How does the database classify them? Currently seems to be mainly focused on Nature Preserves but what about Land and Water Reserves? Do they have permanent protection? Might be worth expanding database to include other public lands.
- **Watch List:** Maybe create an unofficial watch list with species that more information is needed.
- **Taxonomic Changes:** In the past Mohlenbrock used, but some prefer other sources. If use name from a different source, also indicate its name in Mohlenbrock.

2. **Species mentioned for possible new listing at Western and Central Illinois Plant ESTAC meeting.**

- ***Bergia texana***; found in Mississippi floodplain wetplains - have four new records. Was in Illinois in the 1800s so maybe should be added. Might have disappeared 140 years ago.
- ***Carex lupuliformis***; Maybe list.
- ***Carex straminea***; Maybe list; one of rarest *Carex* species.

- *Erythronium mesochoreum*; Some populations are being encroached by other species. Bill McClain found none recently, but >3000 in 1983. Someone recalled that Randy Nyboer had mentioned they were declining.
- *Festuca paradoxa*; It's in Midewin. Regional sensitive list. Most records from UI are vague. Might be listed in Illinois; found in oakwood bottoms. **(Occurrence data attached)**
- *Fragaria americana*; Maybe list.
- *Heteranthera multiflora*; Maybe list. Only in disturbed wet spots.
- *Juglans cinerea*; Seeing so few living trees but now most trees are dead or doing poorly. Is it worth listing giving fungal threat - can save some trees. Susanne Masi has old petition will pass on. Will work with Paul Marcum. **(Occurrence data and draft proposal attached)**
- *Monarda clinopodia*; Maybe list. **(Occurrence data attached)**
- *Ranunculus harveyi* (Harvey's buttercup); Maybe list. Found in only 6 counties and number of populations left fewer than many listed species. Habitat restricted (Sandstone).

3. NOTES on each species reviewed at the Western and Central Illinois Plant ESTAC meeting.

A) Change from Endangered to Threatened OR from Threatened to Endangered

- a) *Platanthera leucophaea** (Endangered); Flag--discuss @ northern; Erratic (100s to 1 from yr to yr); many introduced; limited seed w/o hand pollination; 7 of 8 with 1 abstain
- b) *Melanthium virginicum* (Threatened); 8 of 8 said yes; Moorehouse will work on petition
- c) *Scirpus polyphyllus* (Threatened); 8 of 8 yes; Ask Beth Shimp to prepare petition
- d) *Hymenopappus scabiosaeus* (Threatened); 8 of 8 said yes; McClain will work on petition
- e) *Buchnera americana* (Threatened); See why listed as T originally
- f) *Carex prasina* (Threatened); Flag--more information
- g) *Salvia azurea* (Threatened); Flag--Discuss @ northern and @ southern

B) Maybe DELIST?

- a) *Carex communis* (Threatened); 8 yes; 1 wants more data (pop size & #s); Ask @ northern
- b) *Filipendula rubra* (Threatened); Flag--reintroductions vs. natural populations
- c) *Styrax americanum* (Threatened); Flag--Discuss @ southern

C) Maybe EXTIRPATED?

- a) *Adoxa moschatellina* (Endangered); Discuss @ northern meeting; more info; 1988 last searched
- b) *Carex diandra* (Endangered); Flag--more information; not seen in 30 yrs
- c) *Corylus cornuta* (Endangered); Flag--discuss more
- d) *Gymnocarpium robertianum* (Endangered); Only one person saw on limestone cliff; others (Ebinger, Phillippe, Moorehouse) not found; ask Duane Ambrosz

D) DISCUSSION NEEDED.

- a) *Arctostaphylos uva-ursi* (Endangered); Discuss @ northern meeting
- b) *Lycopodium dendroideum* (Endangered); Flag--discuss more; might have 2 rare species; needs name change; ask Marcum and Tucker
- c) *Mirabilis hirsuta* (Endangered); Flag--discuss @ northern; may be new finds in Chicago area, not sure if native populations
- d) *Scleria pauciflora* (Endangered); Flag--Discuss @ southern; was 2 subspecies when combined 15 count; few seen recently; ask Jody Shimp
- e) *Silene regia* (Endangered); Flag--tell if natural population vs. reintroduction; Many populations are restorations
- f) *Stenanthium gramineum* (Threatened); Flag--Discuss @ southern; Bog Edgin and Jody Shimp
- g) *Sullivantia sullivantii* (Threatened); Ask Duane if safe where it is
- h) *Trifolium reflexum* (Threatened): Flag to discuss

- i) *Delphinium carolinianum* (Threatened)
- j) *Penstemon tubaeiflorus* (Endangered); Does not occur in natural habitat; travelling in road corridors; with *Bromus inermis*; might be planted; maybe T rather than E

E) NO CHANGE RECOMMENDED.

- *Agalinis skinneriana* (Threatened);
- *Artemisia dracunculoides* (Endangered); Worldwide
- *Asclepias stenophylla* (Endangered); Only one protected site; populations small
- *Astragalus crassicaulis* var. *trichocalyx* (Endangered); Var. but only one in state; maybe drop var. name
- *Astragalus distortus* (Endangered); Found new population; 2700 new plants in Cass; Most populations small; moved by mowing on roadsides
- *Astragalus tennesseensis* (Endangered);
- *Besseyia bullii* (Threatened); Now *Syntherisma bullii*
- *Boltonia decurrens** (Threatened);
- *Bouteloua gracilis* (Endangered);
- *Calopogon oklahomensis* (Endangered); Mostly northern
- *Camassia angusta* (Endangered);
- *Carex cumulata* (Endangered); Still rare
- *Carex heliophila* (Endangered);
- *Cimicifuga americana* (Endangered);
- *Clematis occidentalis* (Endangered);
- *Collinsia violacea* (Endangered);
- *Conioselinum chinense* (Endangered); Maybe seen Jackson County
- *Cyperus grayoides* (Threatened);
- *Cypripedium reginae* (Endangered);
- *Draba cuneifolia* (Endangered); Two varieties but keep at species level
- *Drosera intermedia* (Threatened);
- *Echinodorus tenellus* (Endangered);
- *Equisetum pratense* (Threatened);
- *Fimbristylis vahlii* (Endangered); Might ask Duane Ambrosz
- *Gymnocarpium dryopteris* (Endangered); Maybe seen recently, not sure which species
- *Hackelia deflexa* var. *americana* (Endangered);
- *Hudsonia tomentosa* (Endangered);
- *Hypericum adpressum* (Endangered); Keep same given the numbers
- *Iliamna remota* (Endangered);
- *Lesquerella ludoviciana* (Endangered); Now *Physaria ludoviciana*; Seems stable; one protected state-owned site; Consider establishing backup (within site or botanic gardens); Not elsewhere; could improve habitat (horses, grasses)
- *Luzula acuminata* (Endangered); Occurs in small populations
- *Megalodonta beckii* (Endangered);
- *Mentzelia oligosperma* (Endangered); Recently listed; Being monitored; low numbers; 500 plants in state; on cliff edges
- *Minuartia patula* (Threatened);
- *Nothocalais cuspidata* (Endangered);
- *Opuntia fragilis* (Endangered);
- *Orobanche fasciculata* (Endangered);
- *Orobanche ludoviciana* (Threatened);
- *Penstemon grandiflorus* (Endangered); Populations not doing great; Requires blowouts..could promote habitat
- *Phacelia gilioides* (Endangered); Someone should look for in Calhoun; last seen 1997; not protected site; on talus slope; Discovered 1968; good candidate for twilight species search
- *Phegopteris connectilis* (Endangered);
- *Phlox pilosa* subsp. *sangamonensis* (Endangered); Subspecies listed as endemic to state; need molecular work to tell if separate species
- *Pinus resinosa* (Endangered); One population 14 yrs ago; unusual pollen color; twilight research; LaSalle
- *Plantago cordata* (Endangered); Vulnerable to stochasticity; was increasing, but low again; vulnerable habitat
- *Poa languida* (Endangered); Found in Bloomington
- *Poa wolfii* (Endangered);
- *Polanisia jamesii* (Endangered);
- *Polygala incarnata* (Endangered);
- *Polygonum careyi* (Endangered); Many in disturbed areas; found in Kankakee Sands

- *Potamogeton pulcher* (Endangered); Flag--need efforts to find; few search for submerged aquatics
- *Primula mistassinica* (Endangered);
- *Rhexia mariana* (Endangered); Mostly southern counties (Pope); not in Mason
- *Rosa acicularis* (Endangered);
- *Sabatia campestris* (Endangered); Populations fluctuate; an annual
- *Sanguisorba canadensis* (Endangered); Only 1 natural population left; others reintroductions (3) in Will; historical in LaSalle
- *Schizachne purpurascens* (Endangered);
- *Schoenoplectus hallii* (Threatened);
- *Schoenoplectus purshianus* (Endangered);
- *Schoenoplectus smithii* (Endangered);
- *Scleria muhlenbergii* (Endangered);
- *Sisyrinchium atlanticum* (Endangered);
- *Solidago sciaphila* (Threatened);
- *Sparganium emersum* (Endangered);
- *Stylisma pickeringii* (Endangered); Not on protected sites; land and water so not long term
- *Symphoricarpos albus* var. *albus* (Endangered);
- *Tracaulon arifolium* (Endangered);
- *Tradescantia bracteata* (Endangered); Many in v
- *Trillium viride* (Endangered); More southern sp
- *Valerianella umbilicata* (Endangered);
- *Veronica americana* (Endangered);
- *Viburnum molle* (Threatened);
- *Viola blanda* (Endangered);
- *Viola canadensis* (Endangered);
- *Viola primulifolia* (Endangered);
- *Zigadenus elegans* (Endangered); Need to check

4. Attachments.

- 1) Comments submitted by Beth Shimp (included in discussion at meeting)
- 2) Comments submitted by Roger Jansen (included in discussion at meeting)