



ILLINOIS ENDANGERED SPECIES PROTECTION BOARD

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Plant Endangered Species Technical Advisory Committee (ESTAC)

February 6, 2019 (11:15am-3:15pm)

Illinois Natural History Survey, Champaign, IL

Approved by the Illinois Endangered Species Protection Board at the 187th meeting, October 9, 2020

ESTAC MEMBERS PRESENT: Paul Marcum, Susanne Masi (via remote teleconference), Greg Spyreas, John Taft, Eric Ulaszek, John Wilker, Tim Bell, Bill McClain

ESTAC MEMBERS ABSENT: Randy Nyboer, Beth Longo (Shimp), Chris Benda

OTHERS PRESENT: Jeremie Fant (IESPB), Janice Coons (IESPB), Jeannie Barnes (INHS), Eric Janssen (UIUC, INHS), Connie Carroll-Cunningham (INHS), Michelle Pearion (Midewin), Mike Murphy (INHS), Heather Osborn (INPC-IDNR), and David Zaya (INHS)

1. General Notes
2. Notes on Each Species Discussed

1. General Notes of Discussion.

- Approval of Minutes: Minutes of ESTAC meeting held November 9, 2018 for southern plant species were approved with one change.
- Restoration Populations: Consider source of seeds/plants used for restorations (out of state vs in state); consider long term viability of restorations.
- Individual Petitions: Plant ESTAC noted that individuals can submit petitions if they believe changes are needed beyond those discussed at meetings.
- Recommendations for Review of Plant Species in Five Years: Perhaps first meeting should be to discuss issues; review of species by region worked well.

2. NOTES on each species reviewed at the Wrap-Up Plant ESTAC meeting.

A) NEW LISTING

- a) *Carex albolutescens*—Add to list as Endangered; 8 of 8; Mike Murphy will work on petition. 2-3 counties in southern Illinois; some records misidentified; seems extremely rare.
- b) *Carex opaca*—Add to list as Endangered; 8 of 8; Marcum will work on petition; just names in 2001; St Clair and Washington Counties before 1950s, but only two recent collections (since around 2005) in Saline and Perry Counties; wet depressions; at edge of forest; resembles really big *Carex ovata*, hard to confuse.

- c) *Carex straminea*—Add to list as Endangered; 8 of 8; Marcum will work on petition; 3 counties; rare in all of its range; threatened in Indiana and Kentucky; concern in Michigan and Wisconsin; uncommon everywhere; range and habitat restricted; sand flatwoods with *Calopogon*; conservation 10; large tuft with leaves drooping so easy to identify (10-12”).
- d) *Festuca paradoxa*—Add to list as Threatened; 7 of 7; Spyreas will work on petition; scattered in state; half of herbarium specimens were misidentified; less than 10 collections since 1999; 6 counties with 8 known populations including 4 protected; barrens, flatwoods where some shade so mostly on edge; suggest in prairies in Champaign County; Midewin only location in northeastern Illinois; Oakwood Bottoms large populations; barrens; also rare and declining in other states; short lived perennial.
- e) *Hippuris vulgaris*—Add to list as Endangered; 7 of 7; Marcum and Spyreas will work on petition; aquatic plant now only along Fox River in McHenry County.
- f) *Ranunculus harveyi*—Add to list as Threatened; 7 of 7; McClain will work on petition; 5 counties; does well where managed to open area, but needs management; less than 100 plants at all counties but some counties have less than 25 plants; Piney Creek saw only 4-5 plants; sandstone ridge in Effingham County where 5 plants; population size increases and decreases dependent on habitat and weather; often in narrow strip along creek; biennial; very specific habitat.

B) Species Given Support by Plant ESTAC for Changes, but No Vote Taken

- a) *Delphinium carolinianum*—Change from T to E (based upon Angella Moorehouse’s recommendation); 2 subspecies with some populations having both; one subspecies may be extirpated.
- b) *Juglans cinerea*—New list as E rather than T (based upon information gathered for petition).
- c) *Platanthera leucophaea*—Leave as E rather than change to T (based upon information gathered when preparing a petition).

C) DISCUSSED BUT NO CHANGE RECOMMENDED

- a) *Aesculus flava*—No listing; no confirmation in southern Illinois (not in Shawnee or herbaria); found near border of Johnson and Pope Counties; see both red and yellow side by side; found in limestone/sandstone mix.
- b) *Carex cherokeensis*—No listing; may be introduced in state; not native; with fescue along roadsides and disturbed sites.
- c) *Carex prasina* (Threatened)—No change.
- d) *Coeloglossum viride* (*Dactylorhiza viridis*)—No listing; not enough information.
- e) *Epilobium strictum* (Threatened)—No change; since 2012, no records reported; not searching.
- f) *Erythronium mesochoreum*—No listing; prairie once had more than 3000 plants, but cannot find any in last few years; 2014 to 2016, some were destroyed when optic fiber cables installed; 1977 verified in state when saw lots along railroads; so delisted due to lots of populations with high number of plants.
- g) *Heteranthera multiflora*—No listing; weedy, wet habitats; may explode soon.
- h) *Hypericum kalmianum* (Endangered)—No change.
- i) *Neobeckia aquatica*—No listing; more common than think; find where do not expect; was considered for federal list; in Lawrence County, swampy areas.
- j) *Saxifraga forbesii* (now *S. pennsylvanica*)—No listing; always on cliffs; rare, only west side of Shawnee; subspecies of *S. pennsylvanica*.
- k) *Scleria pauciflora* (Endangered)—No change; two varieties in Illinois, both are rare.
- l) *Silene regia* (Endangered)—No change.
- m) *Stenanthium gramineum* (Threatened)—No change.
- n) *Styrax americanum* (Threatened)—No change.

- o) *Styrax grandiflorus* (Endangered)—No change; new record found in Hardin County; in Illinois recently; eastern part of state; clonal.
- p) *Sullivantia sullivantii* (Threatened)—No change; not many, but in protected areas and stable.
- q) *Thalictrum pubescens*—No listing; rare native species, new to Mohlenbrock; few know anything about this species.
- r) *Verbesina occidentalis*—No listing; may not be in state; *V. alternifolia* may be mistaken for this species, but has opposite leaves.
- s) *Veronica scutellata* (Threatened)—No change; clonal so unsure about number of individuals; maximum of 13 records in many years.

D) FIELD SEARCHES NEEDED

- a) *Aesculus flava* (Not listed).
- b) *Coeloglossum viride* (Not listed).
- c) *Epilobium strictum* (Threatened).
- d) *Erythronium mesochoreum* (Not listed).
- e) *Escobaria missouriensis* (Not listed)—maybe in Union County; small cactus which resembles seedlings of *Opuntia* in shade; have photos, but no specimen.
- f) *Heteranthera multiflora* (Not Listed).
- g) *Hypericum kalmianum* (Endangered).
- h) *Hypericum swinkianum* (Not Listed).
- i) “*Lycopod*” species—May be affected by climate change; especially cliff dwelling species may be in trouble in Illinois.
- j) *Rhamnus lanceolatus* (Not Listed).
- k) *Saxifraga forbesii* (now *S. pennsylvanica*) (Not Listed).
- l) *Stenanthium gramineum* (Threatened).
- m) *Thalictrum pubescens* (Not Listed).
- n) *Verbesina occidentalis* (Not Listed).

