



ILLINOIS ENDANGERED SPECIES PROTECTION BOARD

One Natural Resources Way, Springfield, Illinois 62702 - 1271; dnr.espb@illinois.gov

Aquatic Invertebrate Endangered Species Technical Advisory Committee (ESTAC)

Minutes of the ESTAC Meeting on October 19, 2023

Illinois Natural History Survey Main Floor Conference Room

1816 S. Oak Street, Champaign IL 61820

1. Roll Call of Members, and Introduction of Guests

Committee Members Present: Dr. Jason Bried, Dr. Ed DeWalt, Sarah Douglass, Marla Garrison, Dr. Leon Hinz, Dr. James Lamer, Brian Metzke, Dusty Swedberg, Jeremy Tiemann, Tim Vogt

Committee Members Absent: Alison Price Stodola, Jodi Vandermyde

Others present: Natalia Maass (IDNR)

Mr. Tiemann called the meeting to order at 1:32 PM.

2. Adoption of Agenda

The committee proceeded according to the prepared agenda.

3. Review of Listed of Species

Snails

There was a consensus that aquatic snails are understudied. Currently all listed snails are state endangered.

Discus macclintocki (Iowa Pleistocene snail): This is a federally listed species that occurs in the Driftless area of northwestern Illinois. There was a consensus to maintain its current status, but the committee recommend that surveys be performed for it.

Fontigens antroecetes (hydrobiid cave snail): This species has been imperiled for a while. The consensus was to maintain its current status.

Lithasia obovara (Shawnee rocksnail): This species is very rare and needs to be targeted when conducting surveys.

There was also a consensus to keep the current status of *Leptoxis praerosa* (onyx rocksnail).

Mussels

Cumberlandia monodonta (spectaclecase): This species is federally endangered. There was a consensus to keep the current Illinois status (endangered).

Ellipsaria lineolata (butterfly): The consensus was to maintain its current status (state threatened).

Eurytnia dilatata (spike): The consensus was to keep the current status (state endangered).

Epioblasma rangiana (northern riffleshell): The species is federally endangered and the consensus was to keep it as Illinois endangered.

Epioblasma triquetra (snuffbox): This species is federally endangered and members felt it should remain listed as state endangered.

Fusconaia ebenus (ebonyshell): The consensus was to keep this species as state endangered.

Lampsilis fasciola (wavy-rayed lampmussel): There was a consensus to maintain its current status (state endangered).

Lampsilis higginsii (Higgins eye): This species is federally endangered and members thought it should remain state endangered.

Leptodea leptodon (scaleshell): The species is listed federally as endangered and the consensus was to keep it as state endangered.

Plethobasus cooperianus (orangefooted pimpleback): There was a consensus to maintain the state-endangered status of this federally endangered species.

Plethobasus cyphus (sheepnose): The consensus was to maintain this federally endangered species as state endangered.

Pleurobemus clava (clubshell): This species is federally endangered and members thought it should remain state endangered.

Pleurobma cordatum (Ohio pigtoe): The consensus was to keep this species listed as state endangered.

Potamilus capax (fat pocketbook): The consensus was to keep this federally endangered mussel listed as state endangered.

Ptychobranchus fasciolaris (kidneyshell): The consensus was to maintain this species as state endangered.

Simpsonaias ambigua (salamander mussel): Members felt that it is necessary to develop a good technique for conducting surveys for this mussel. The consensus was to keep the species listed as state endangered.

Quadrula metanevra (monkeyface): Members felt that this species should remain listed as state threatened.

Essentially, committee members felt that the status of all listed mussels should be unchanged. During the next revision cycle, listing of the elktoe (*Alasmidonta marginata*) and flutedshell (*Lasmigona costata*) may be warranted.

Isopods/Amphipods

The consensus was to leave all isopods and amphipods listed as they currently are.

Crayfish

The four listed species have not changed much.

Dragonflies

Somatoclora hineana (Hine's emerald dragonfly): Any unknown locations in Missouri are in danger due to feral hogs. In Illinois, the species has been able to find small wetland areas. Additional larval surveys are needed.

Nannothemis bella (elfin skimmer): This species persists at low numbers. There is a question of whether there is actually a history of the species in Illinois. It may be that the Illinois population is a fringe population at the edge of the species' range.

The duckweed firetail (*Telebasis byersi*) has potential for being listed but more surveys are needed. It requires duckweed for specific behaviors. Its habitat has been altered, but the species has been seen in Pine Hills (Union County).

Both currently listed species of stonefly need a permanent water source. Their status should be kept as is. The Biotics database makes it seem as if *Prostoia ozarkensis* (central

forestfly) was last seen in 2014 at Wolf Creek. Dr. DeWalt has more data that he will provide. *Diploperla robusta* (robust springfly) is known from two populations in Forest Glen, one of which was discovered in 2020. Illinois is at the western edge of its range.

4. Discussion of Possible Additions to the Illinois List of Endangered and Threatened Species
Faxonius stannardi (Little Wabash Crayfish) is one of two state endemic crayfish. It is only found in the Little Wabash River. It was found at one site in the most recent survey. Historically, it has been recorded at 20 sites. It is currently a Species of Greatest Conservation Need but is going to be proposed as endangered. Some of the burrowing crayfish should also be considered, at least as Species of Greatest Conservation Need. More information is needed for them. There were no suggested additions for mussels or snails. Dr. DeWalt has proposals for 34 S1 species and 15 S2 species.
5. Approval of Recommendations for Changes to the Aquatic Invertebrate Section of the Illinois List of Endangered and Threatened Species
The members recommended the addition of *Faxonius stannardi* to the Illinois List as state endangered.
6. Assignment of ESTAC Members to Complete Petition Packages for Changes of Status
Mr. Swedberg will complete the petition for listing *Faxonius stannardi* as state endangered.
7. Public Comment Period
There were no public comments.
8. Other Business
There was no other business.
9. Adjournment
Mr. Tiemann adjourned the meeting at 4:21 PM.

Compiled by Joyce Hofmann from notes by Natalia Maass