

Captive Rearing Hine's Emerald Dragonfly at the Urban Stream Research Center

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What are Hine's Emerald dragonflies?

- The only federally endangered dragonfly
- Discovered in Ohio in 1900, thought extinct by mid-1900's
- 1988: (Re)Discovered in Des Plaines River Valley





Habitat Specialists

Larvae

- 4-5 years!
- Very specific habitat
 - Seeps and springs
 - Dolomite bedrock
 - Streamlets
 - Great Plains mudbug

Adults

- 3-6 weeks
- Usually found near breeding habitat



5 years later...

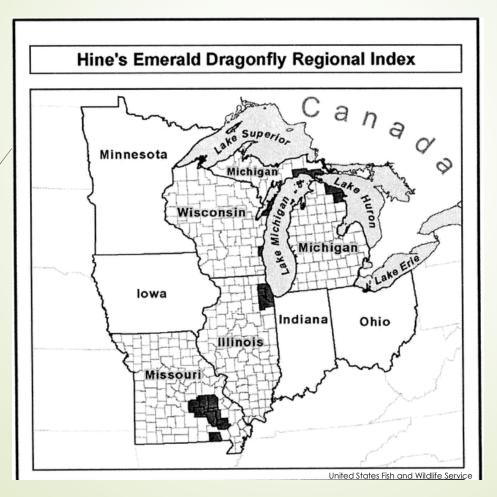


Soluk Lab University of South Dakota



Current Status

Populations in Illinois, Wisconsin, Missouri, Michigan



- Illinois population is critically endangered (200/year)
- Need to step in –
 habitat restoration,
 habitat creation,
 captive rearing
 program(s)

Current Conservation Actions DUPAGE

- Habitat restoration
- Habitat creation
- Captive rearing



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Current Conservation Actions DU PAGE

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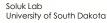


Current Conservation Actions DU PAGE



Captive Rearing: How it Works DUPAGE







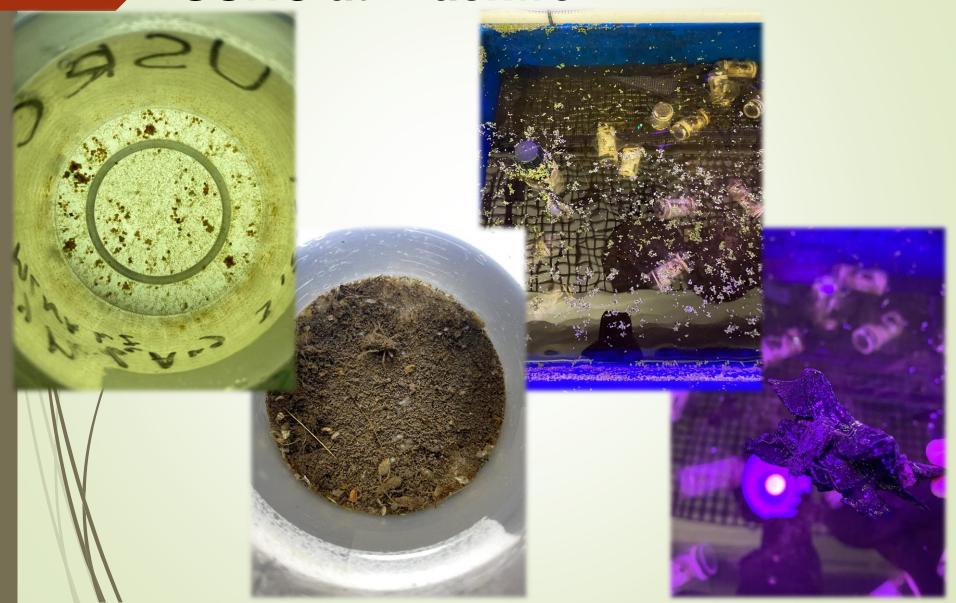






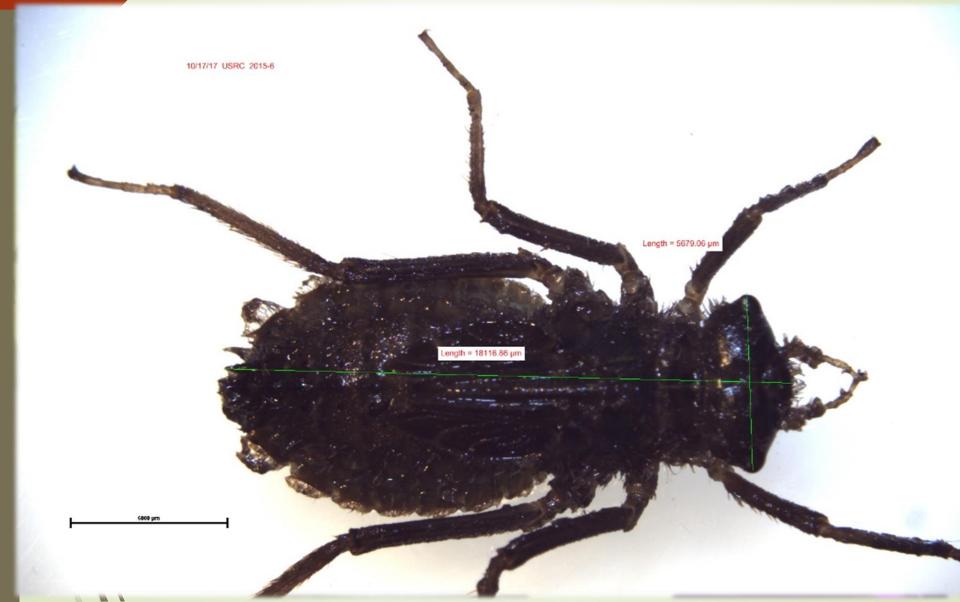


USRC at Blackwell





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2022 New Project Goals







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Thank You!

