

# Conservation of the Lamoille River Mudpuppy (*Necturus maculosus*) Population Using Translocation and Monitoring

Vermont Fish & Wildlife Department

through funding from

The Lake Champlain Basin Program



# Mudpuppy Status

Vermont – limited to Lake Champlain basin

Natural Heritage Rank – S2 (rare)

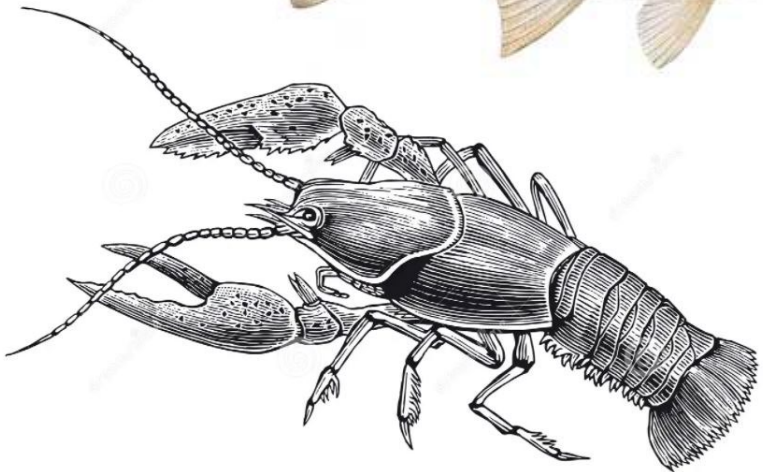
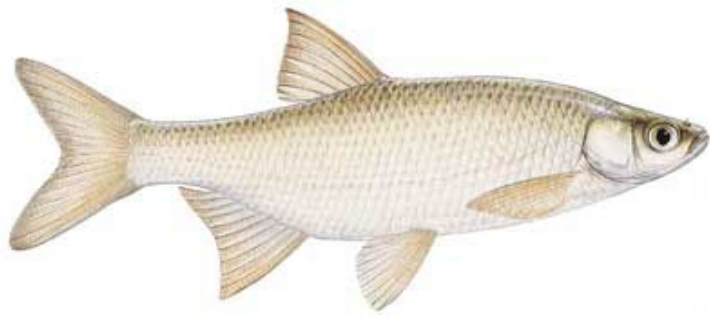
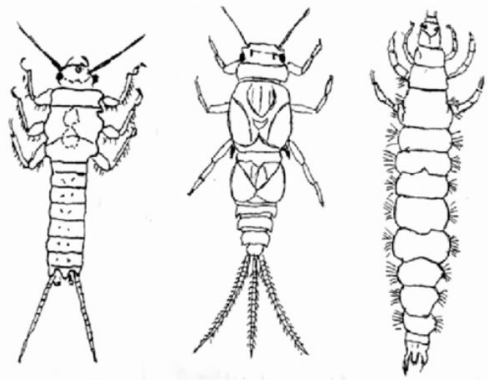
Vermont SWAP – High Priority Species of  
Greatest Conservation Need



TODD PIERSON 2008



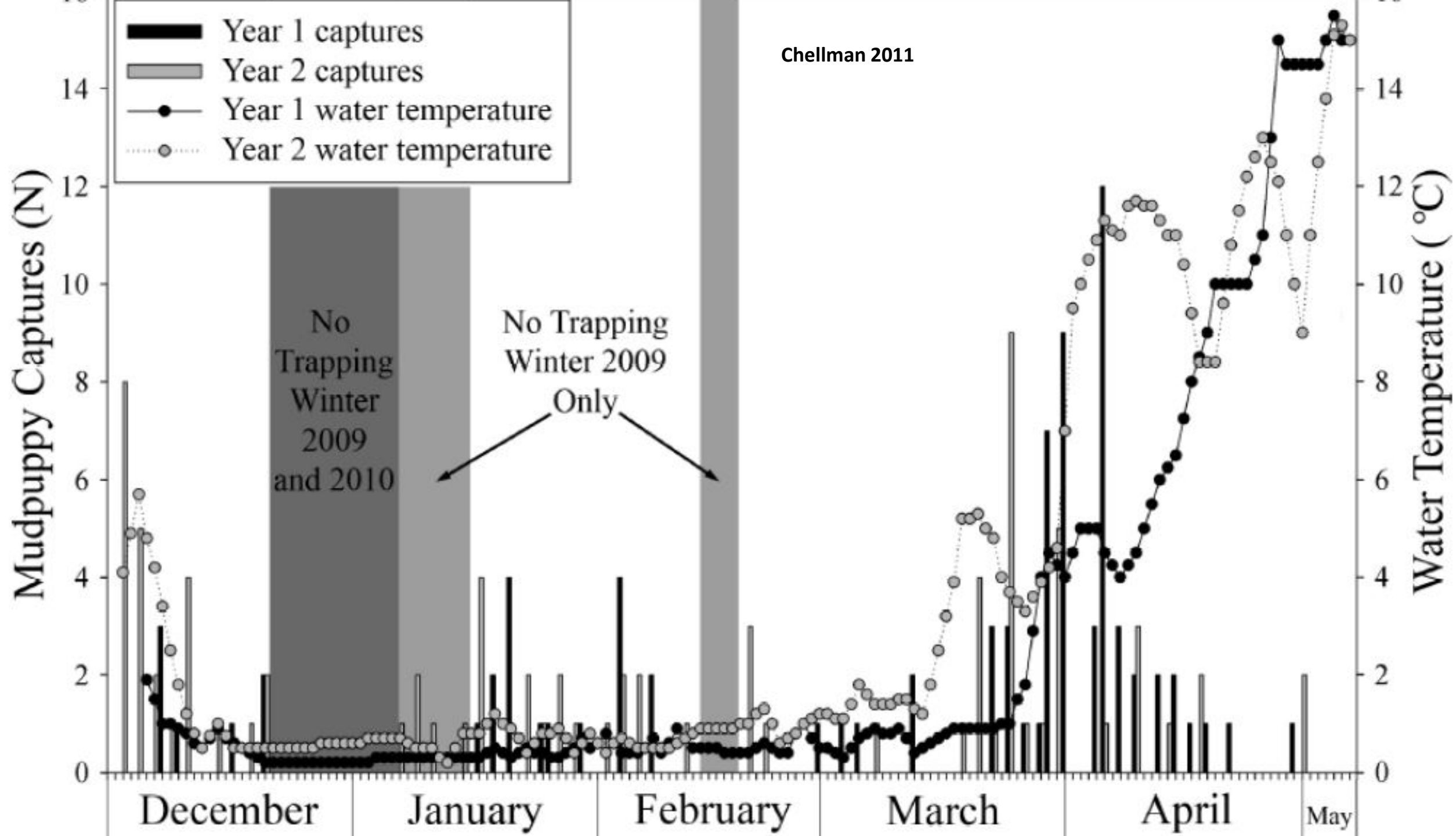




# Goals:

Enhance the resiliency and long-term viability of the Lamoille River mudpuppy population by establishing a novel subpopulation upstream.

Increase our understanding of mudpuppy movement and migration for application in future conservation efforts.









104A

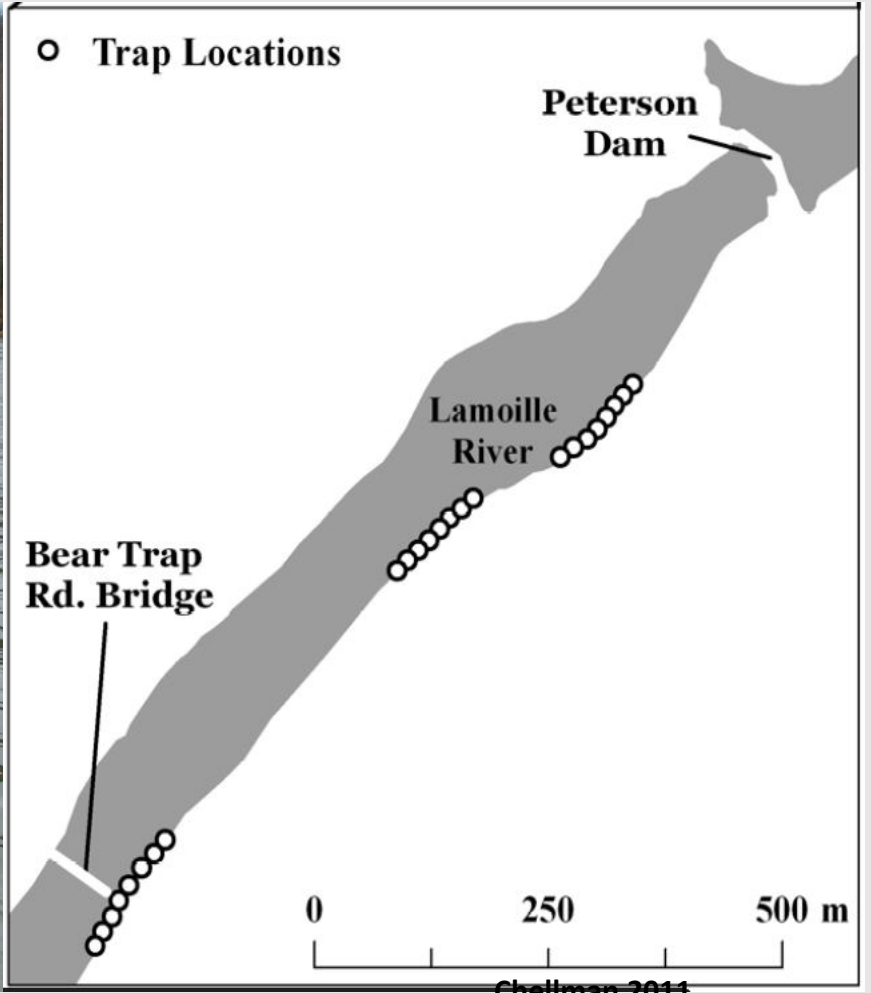
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Fairfax

104

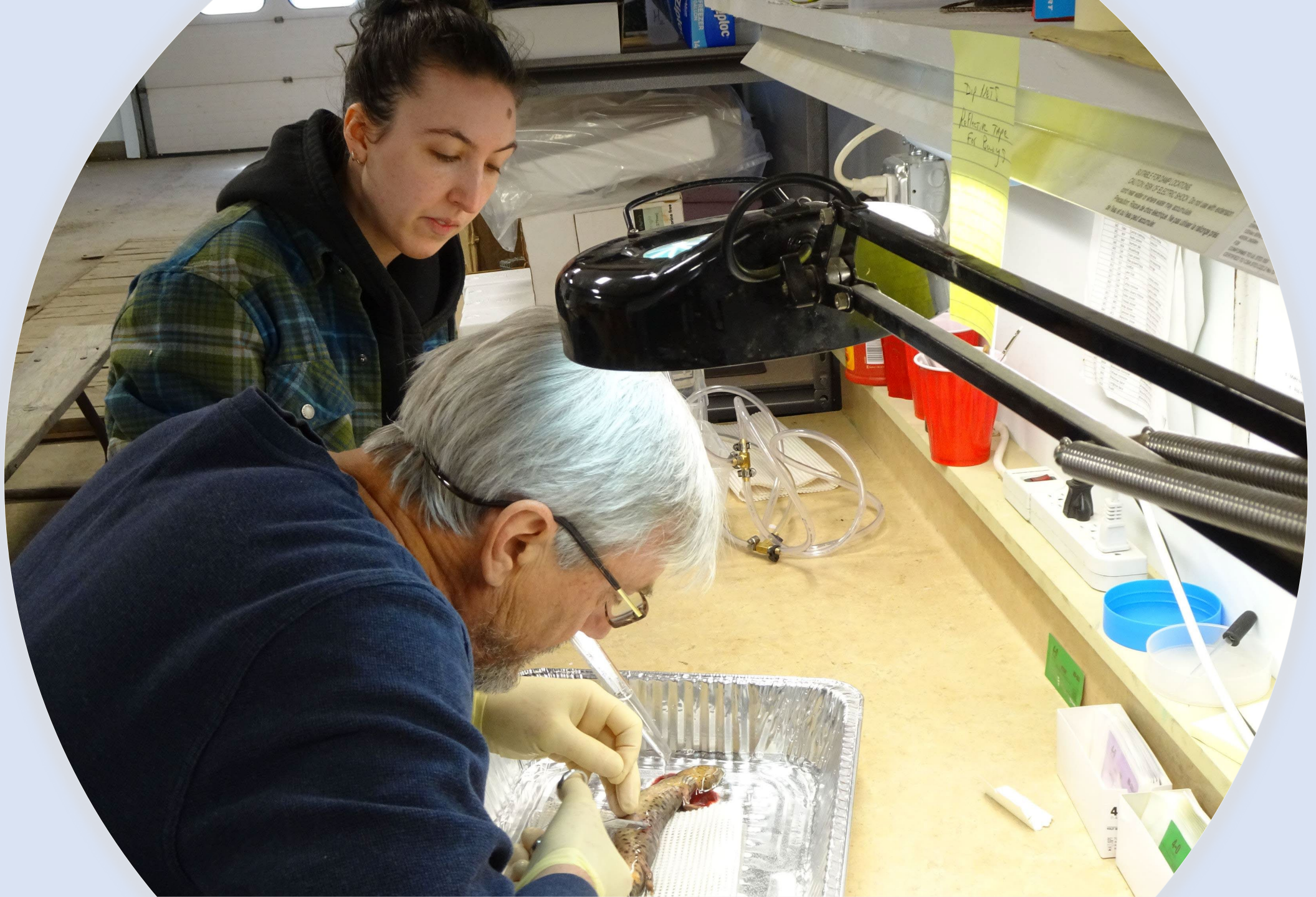
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FAIRFAX FALLS











2022

114 mudpuppies





2022

104A

Highbridge Rd

Georgia Mountain Rd

Georgia Mo



## Approach for 2023

- Maximum catch of 36 remaining
- Twelve transmitters to be released
- Need to improve early detection

**Focus shift - beginning tracking as soon as possible in 2023**

**Trapping expected to be a short period**



2023

20 Mudpuppies

April 13 2023



Greene

Highbridge Rd

104A

Highbridge Rd

Georgia Mountain Rd

Arrow Head Lake Rd

April 20 2023



Greene

Highbridge Rd

104A

Highbridge Rd

Georgia Mountain Rd

Arrow Head Lake Rd

April 28 2023



Greene

Highbridge Rd

104A

Highbridge Rd

Georgia Mountain Rd

Arrow Head Lake Rd

May 31, 2023









## Next Steps

Continue telemetry  
through Fall 2023

Future: monitor  
population

