Habitat Use by Lake Sturgeon Using Acoustics and Stable Isotopes

Project Details

How

Acoustics

Stable Isotopes ($^{13}C/^{12}C$, $^{15}N/^{14}N$)

What

Tracking movement

Characterize habitat use (feeding)

Compare approaches

Who

DNR (Minnesota & Wisconsin)

Collaborators

- Kayden Estep, Justin Van De Hey, Dan Wilfond, Joel Hoffman

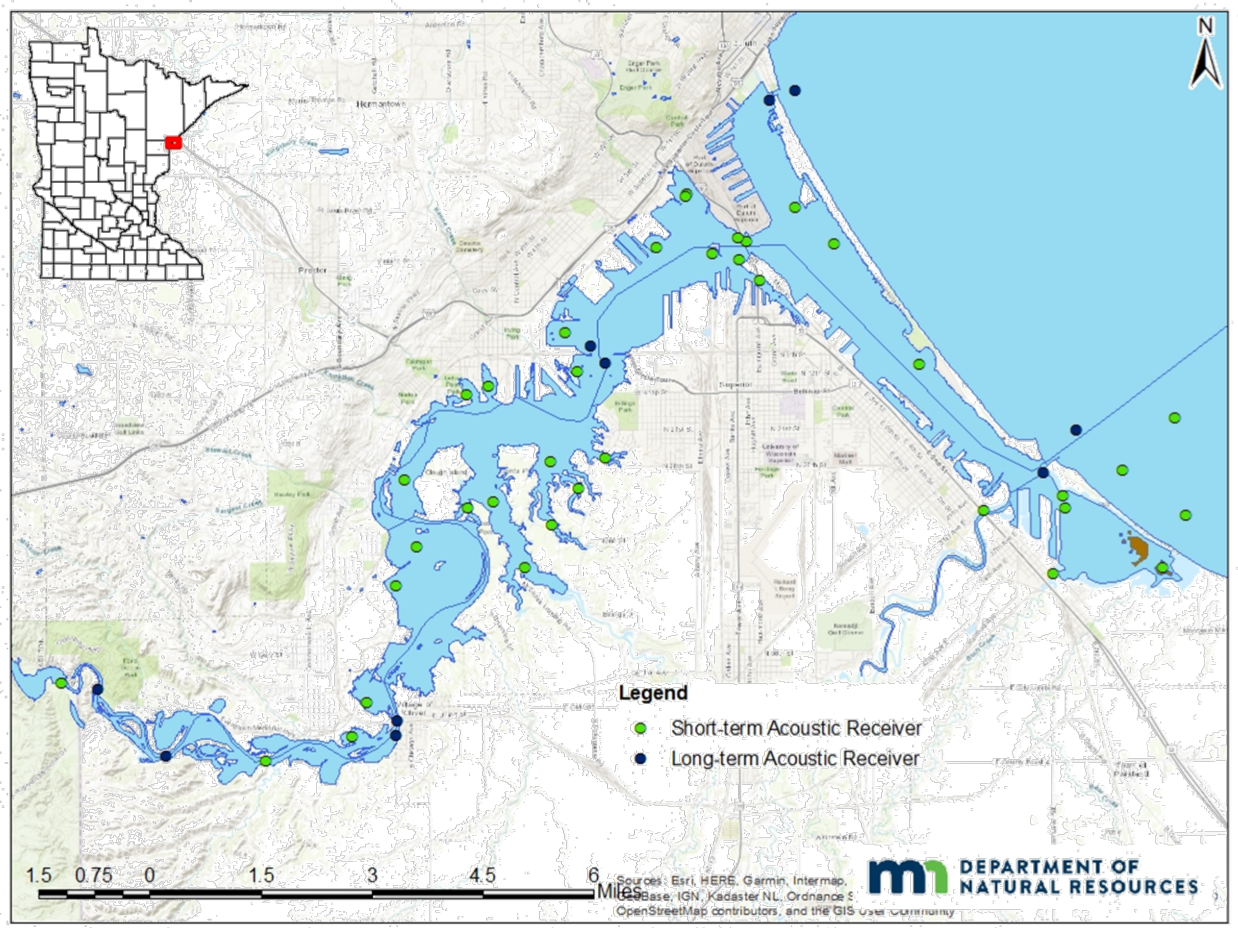
Why

Lake Sturgeon recovery

Native species

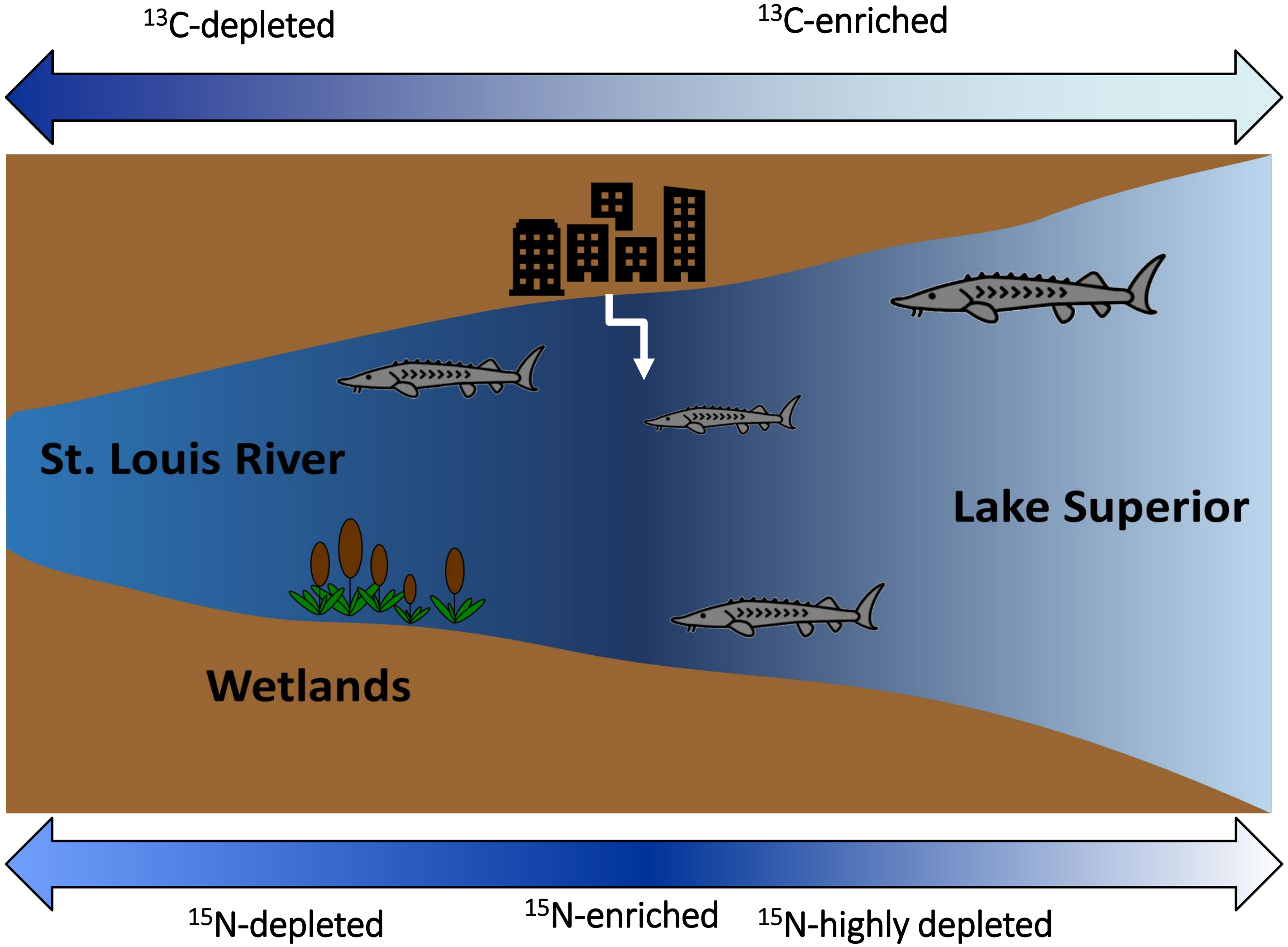
How

Acoustics – Minnesota DNR

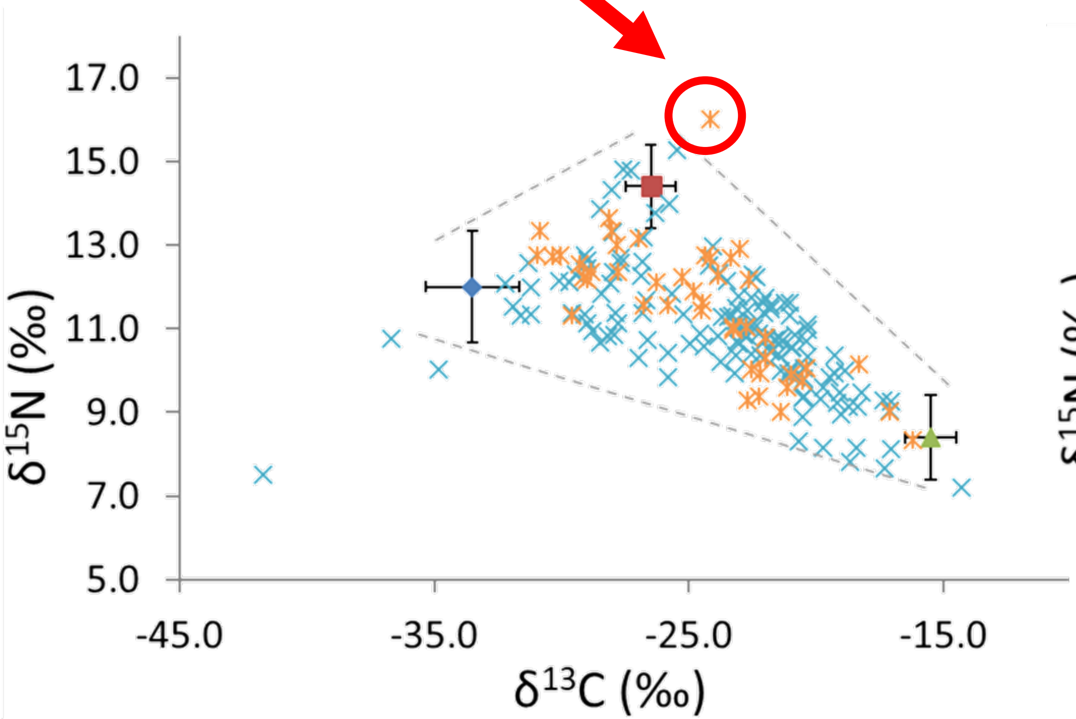


How

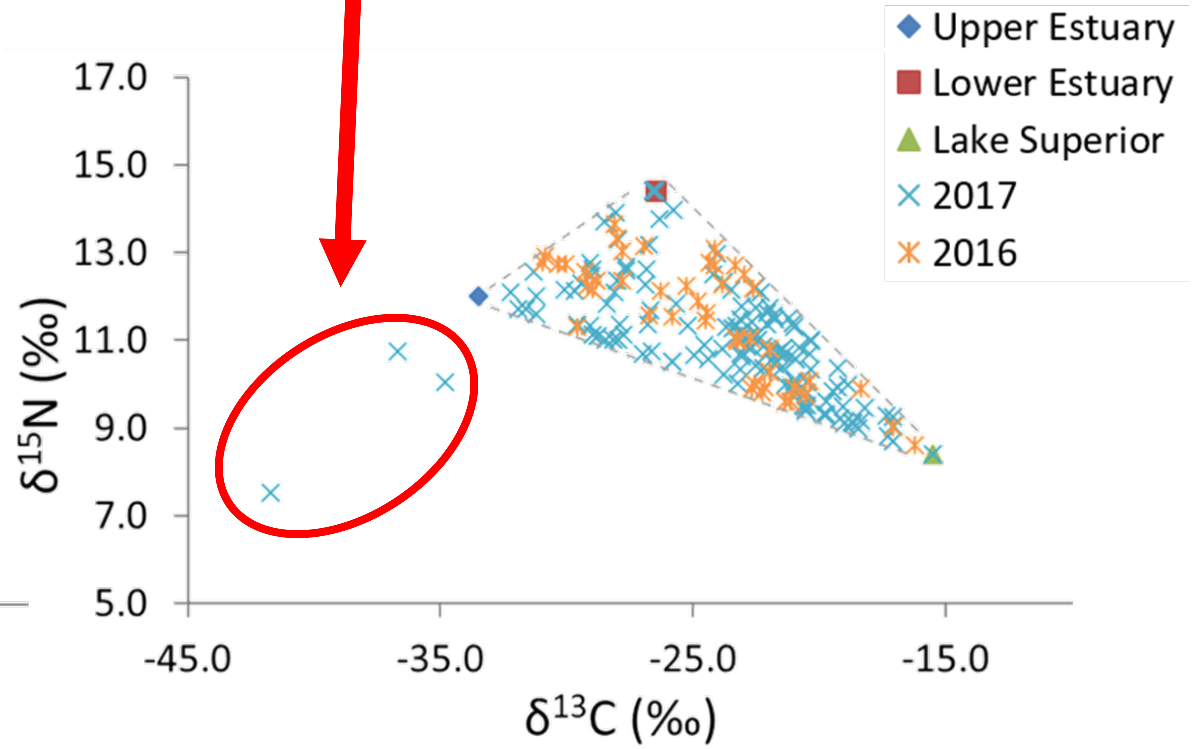
Stable Isotopes – US EPA (GLTED)



Fish with relatively high $\delta^{15}N$ value.

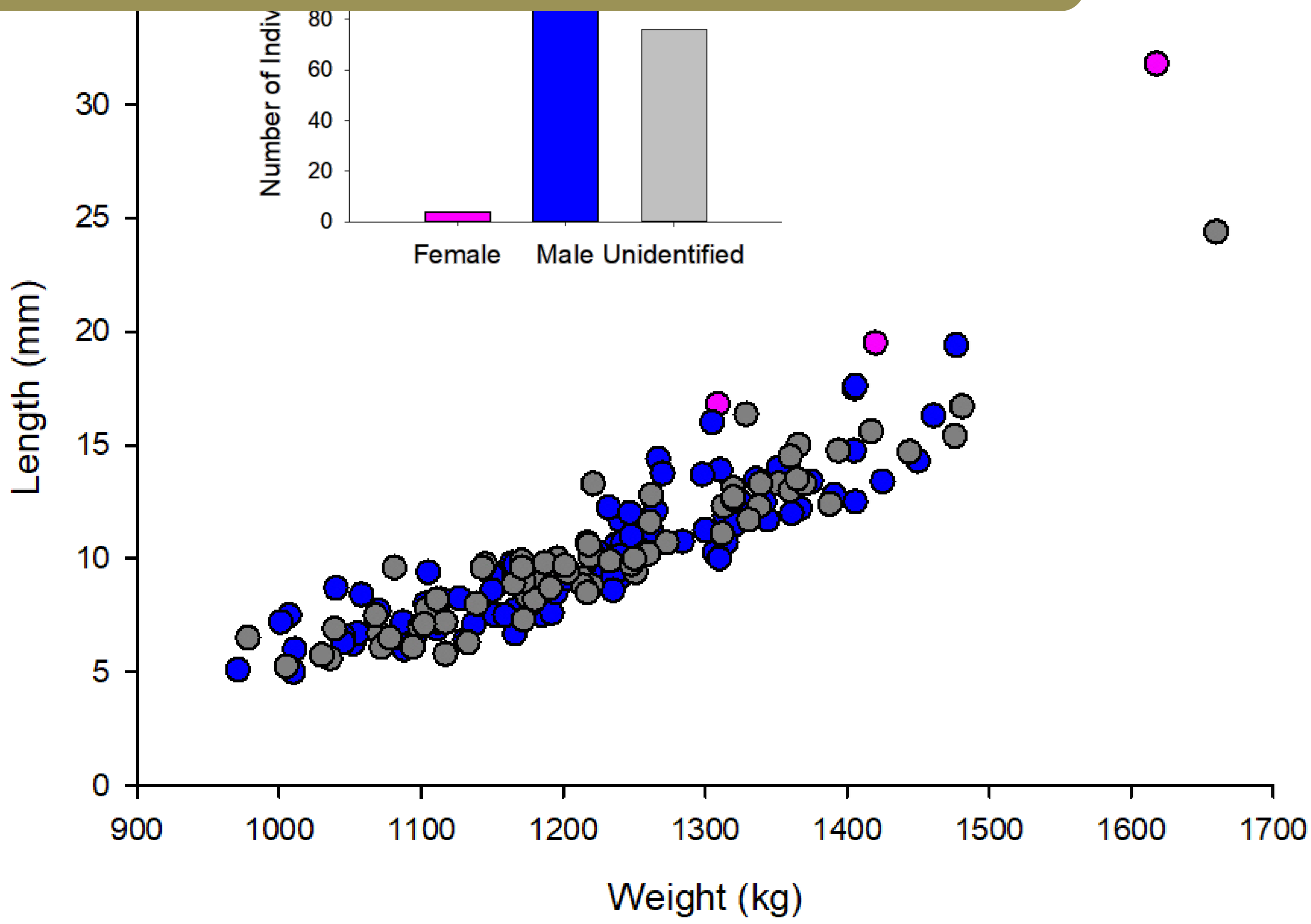


Very low $\delta^{13}C$ values indicate these fish are feeding in backwaters of the St. Louis River.



What

Demographics

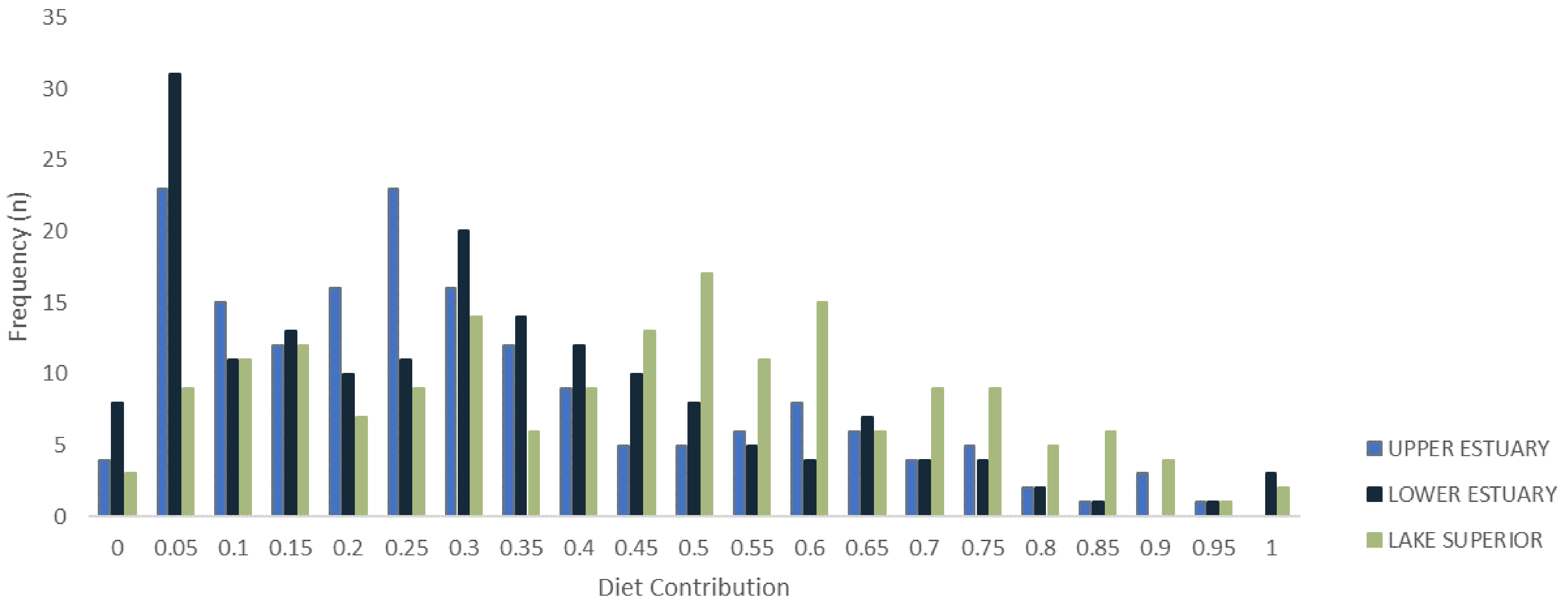


What

Tracking movement

What

Characterize habitat use (feeding)



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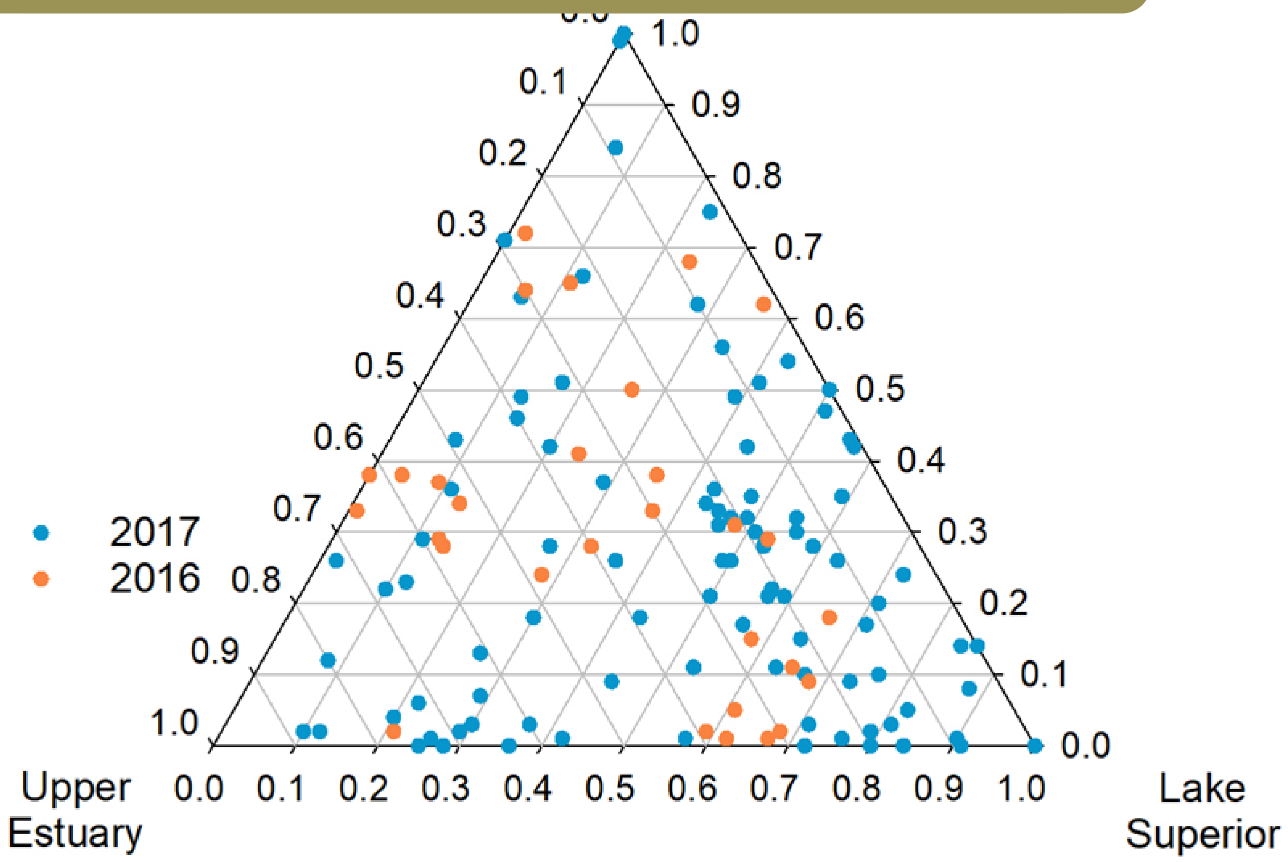
Characterize habitat use (feeding)



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Questions