

# How two different predators affect the size distribution and behavior of an aquatic isopod



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Master thesis by  
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Photo by Alan Vernon

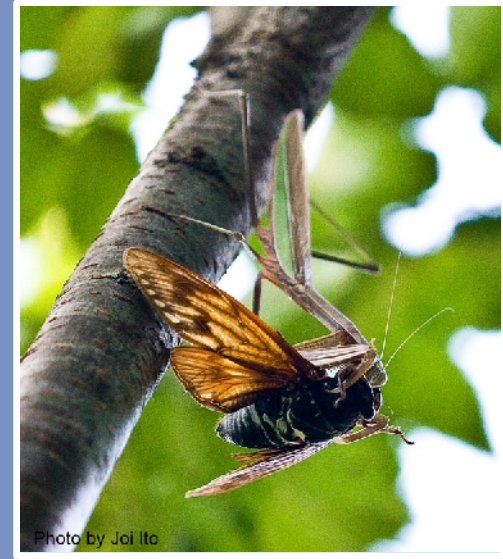


Photo by Joi Ito



# Evolution

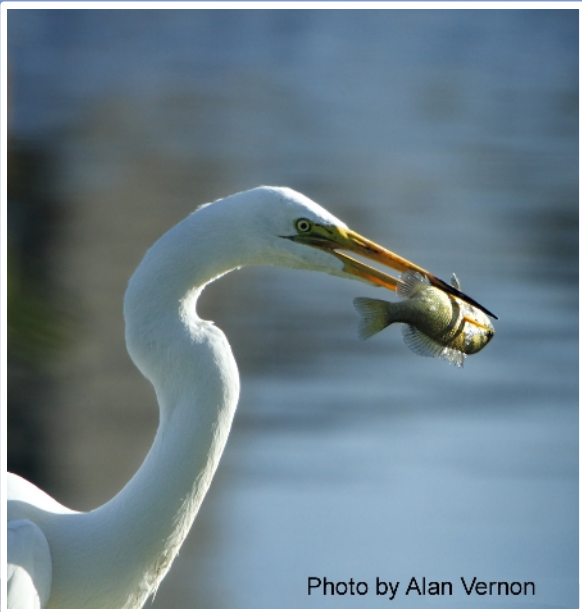
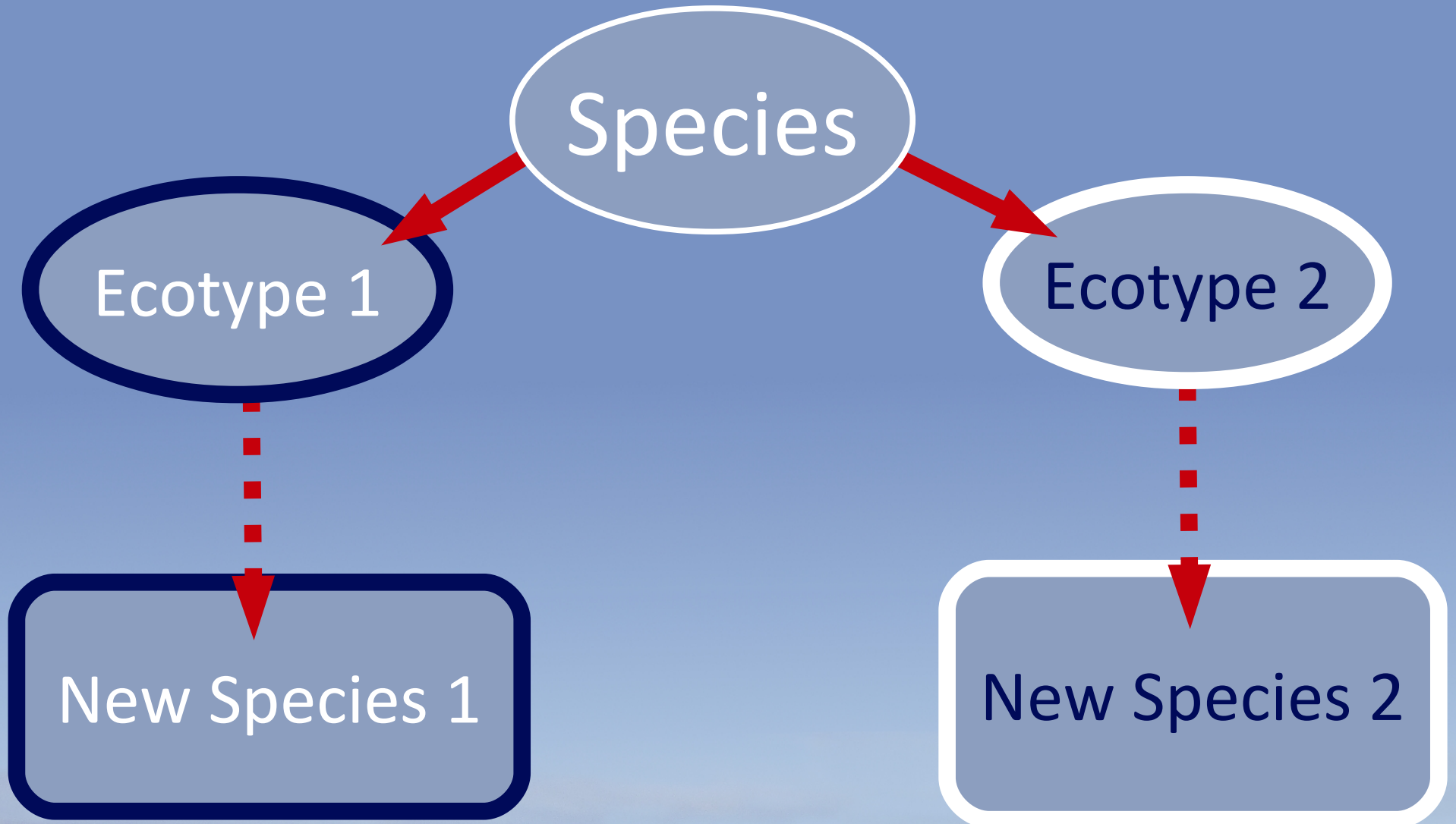


Photo by Alan Vernon



Photo by Alan Vernon

# Ecotypic divergence





???



???



Behavior?

Size?



# Chemical cues as communication

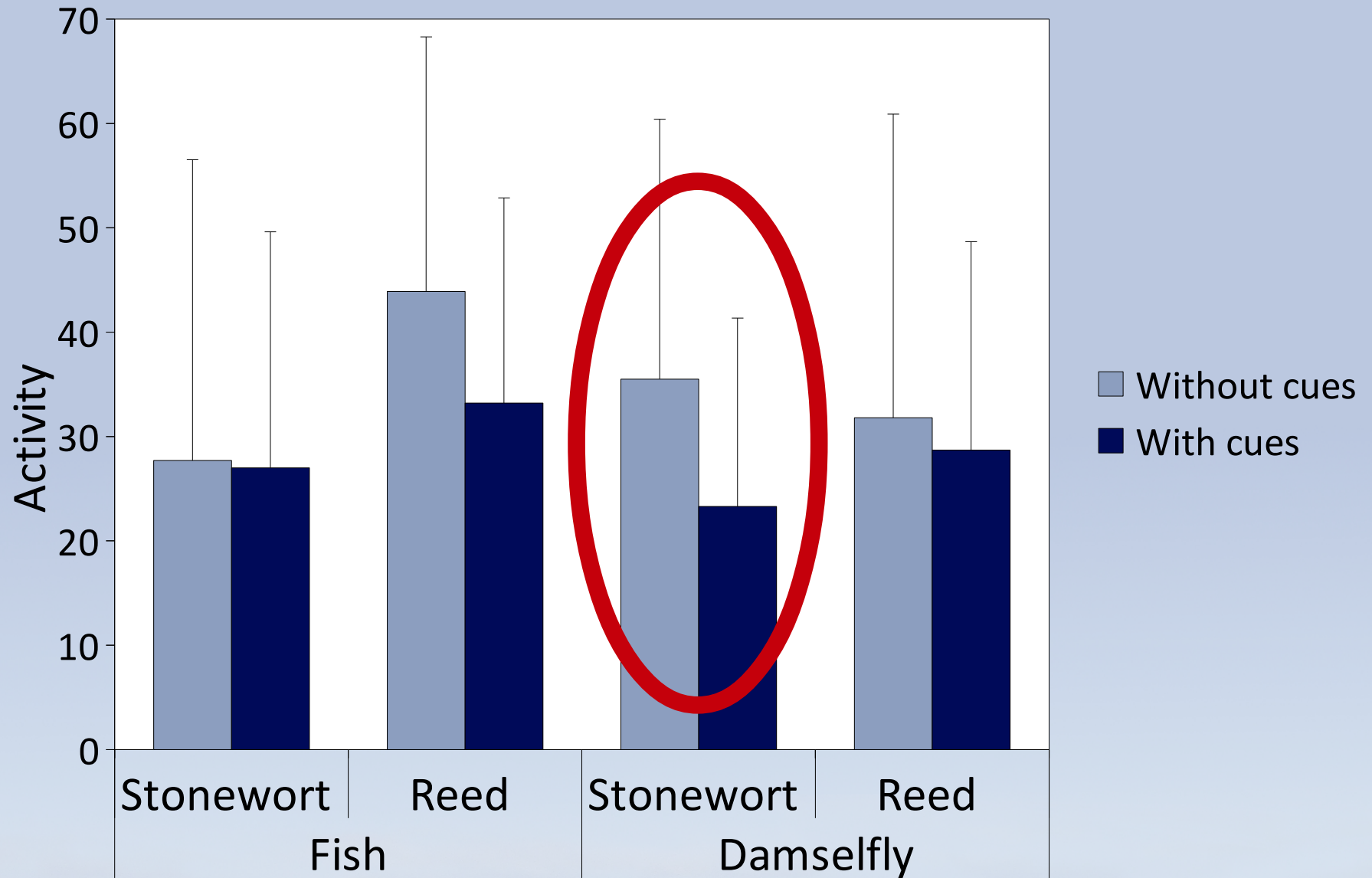


# Behavior: Setup 1

**Stonewort**

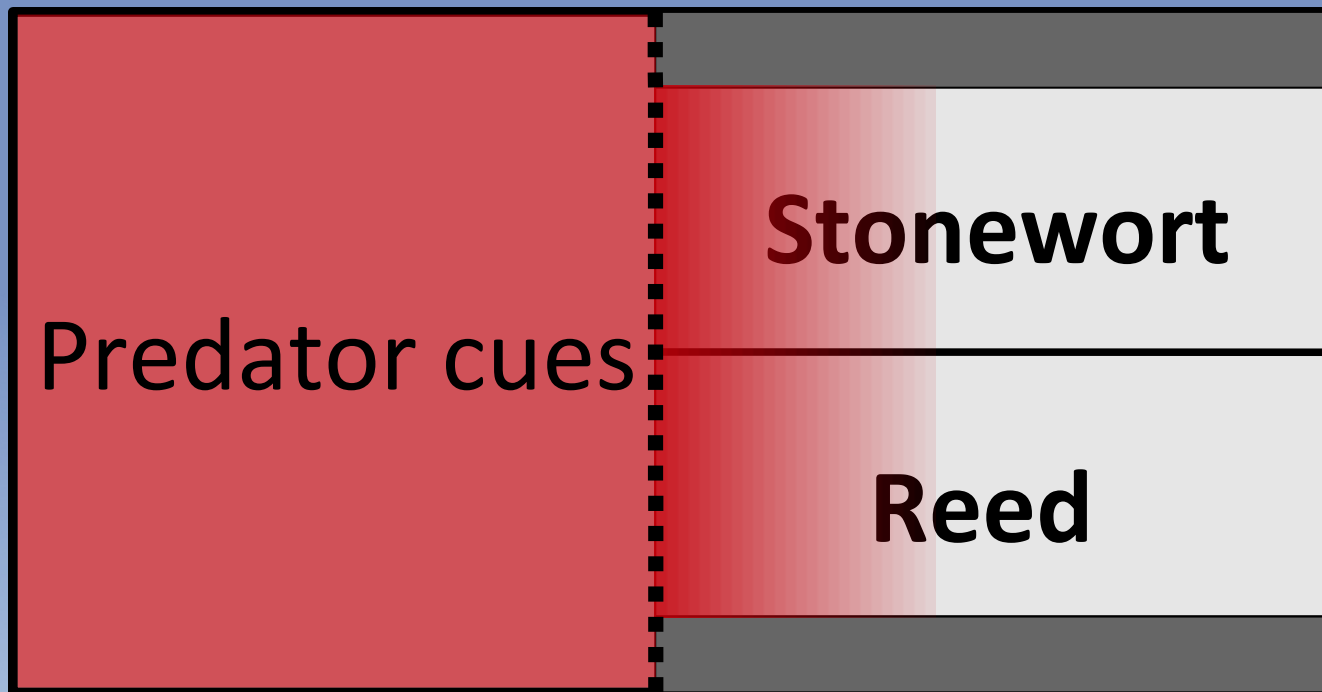
**Reed**

# Behavior: Setup 1

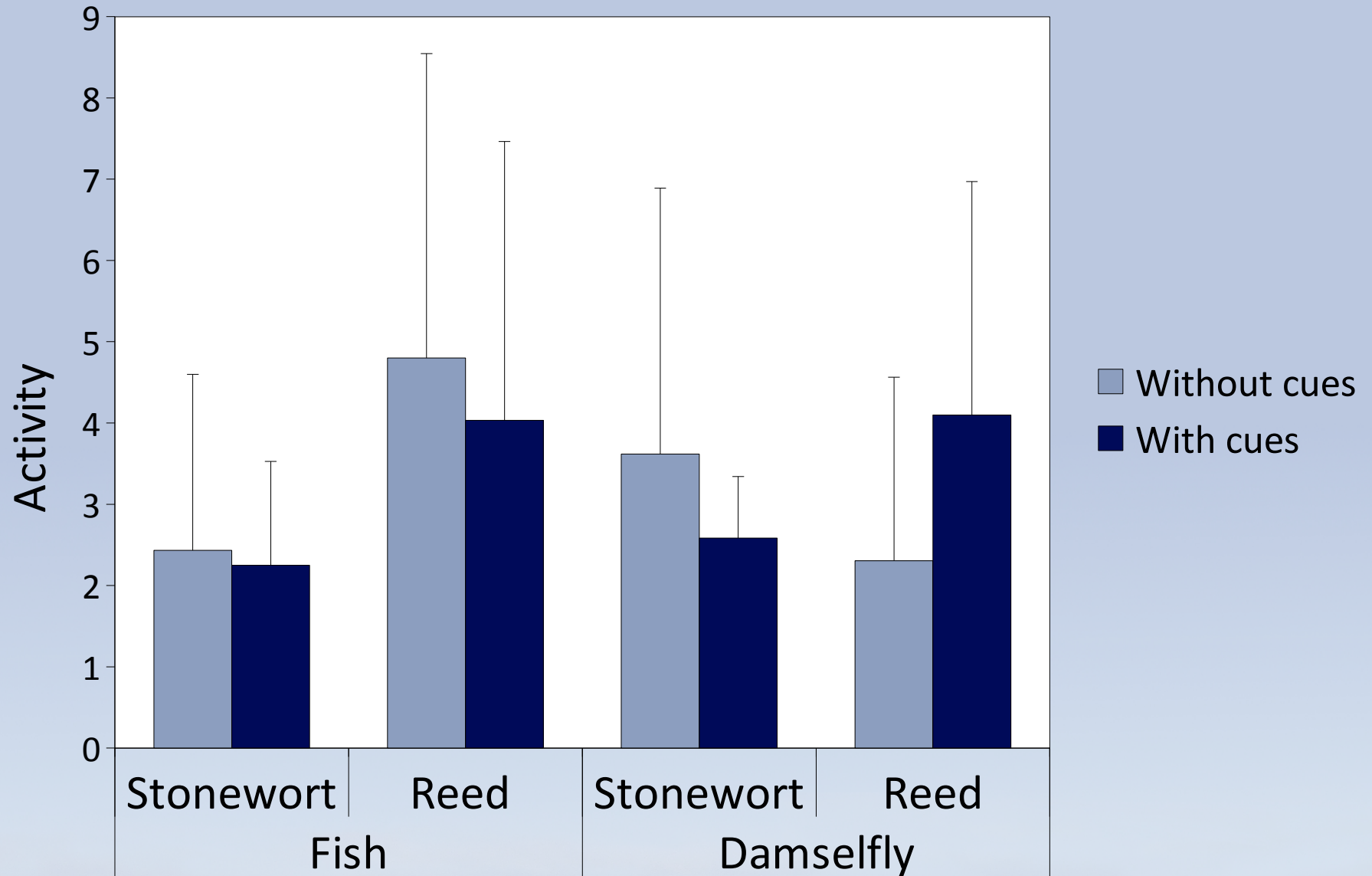


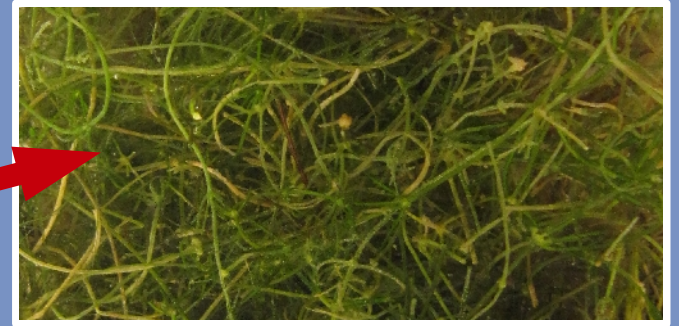


# Behavior: Setup 2

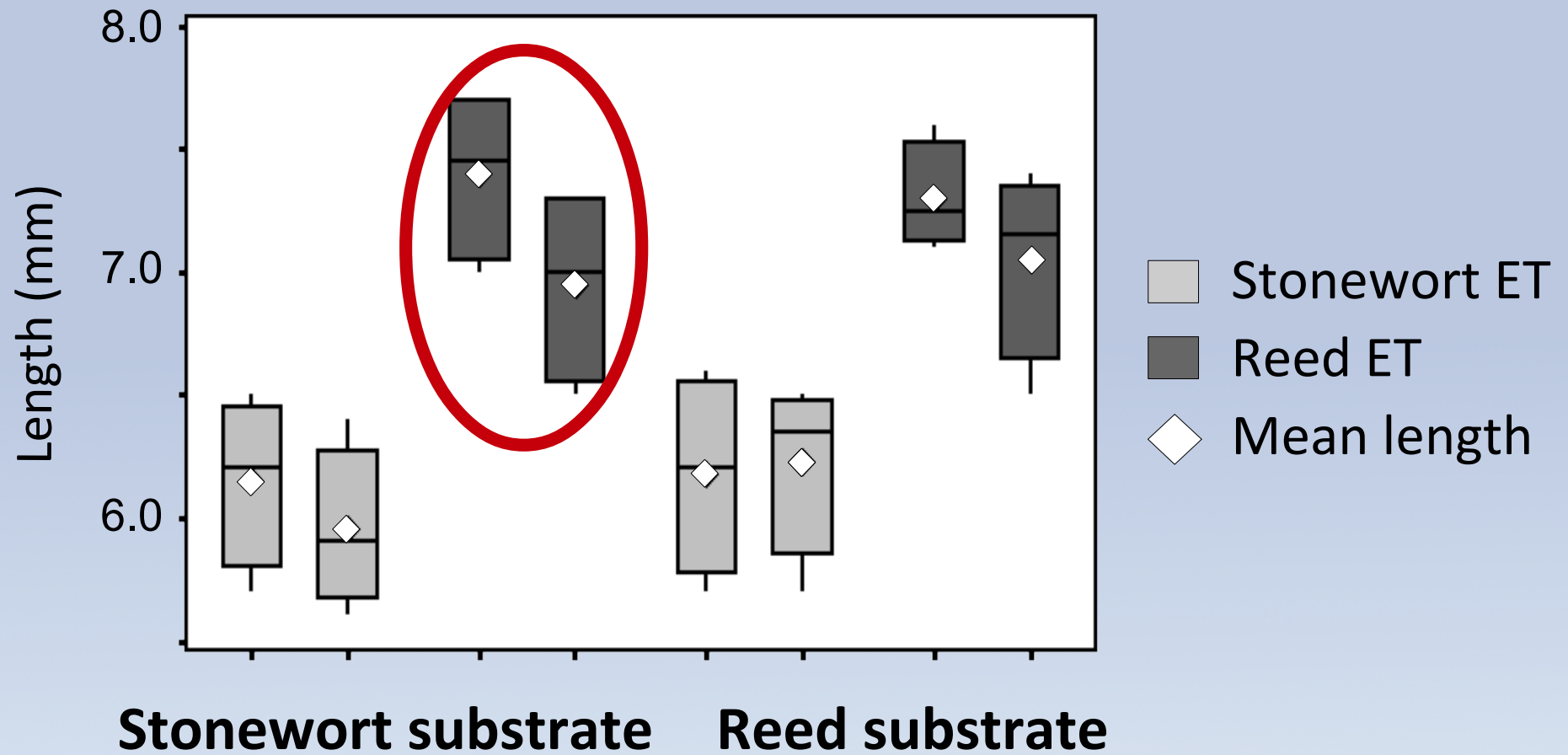


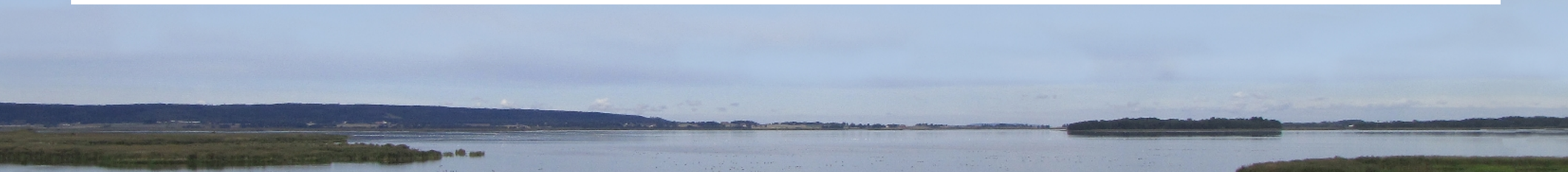
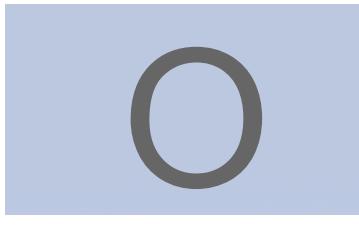
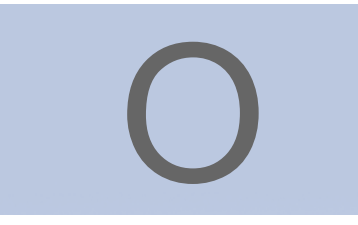
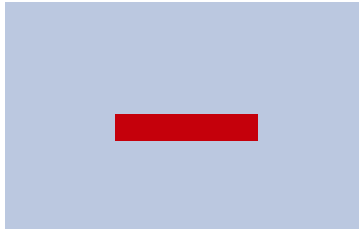
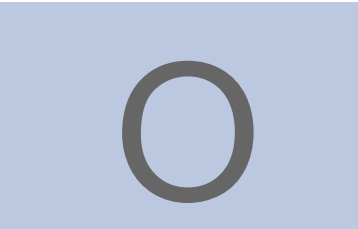
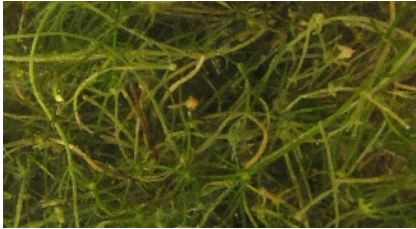
# Behavior: Setup 2



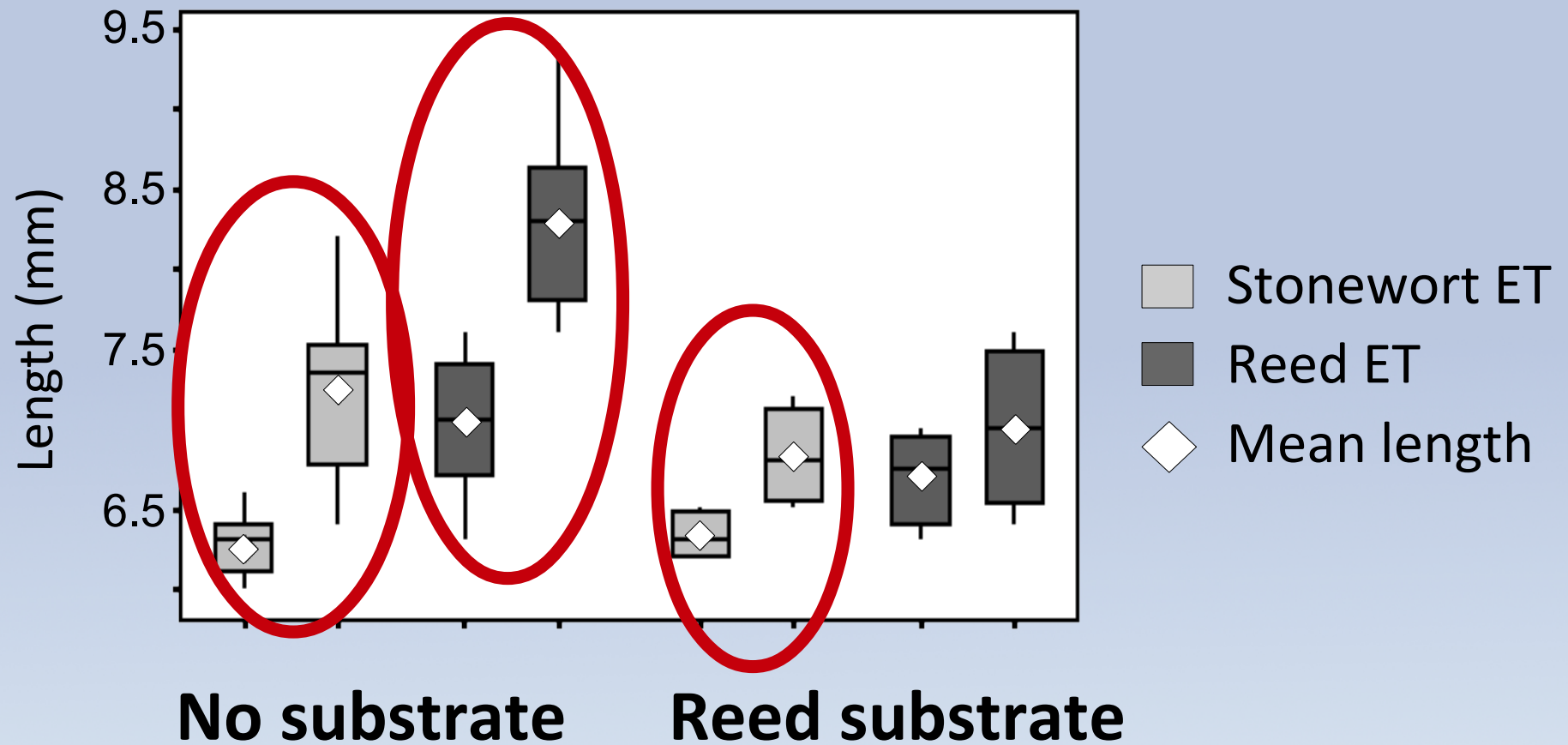


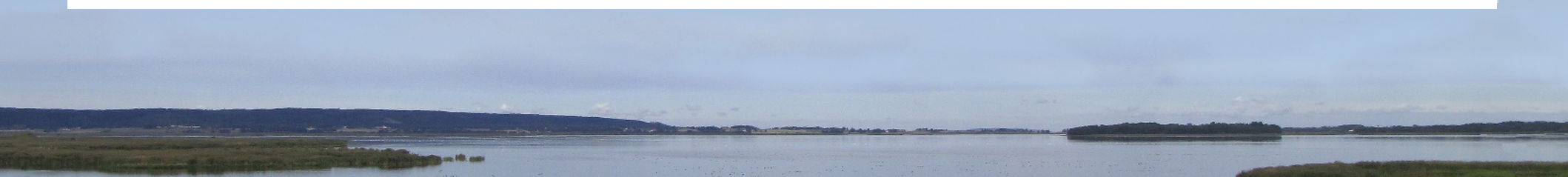
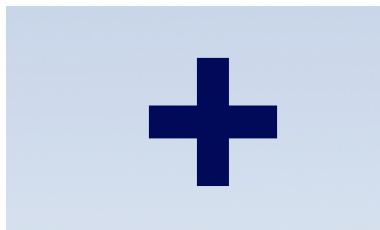
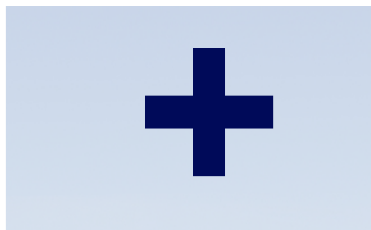
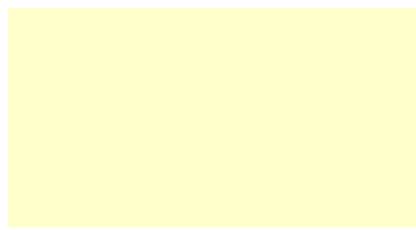
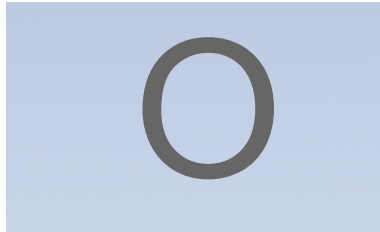
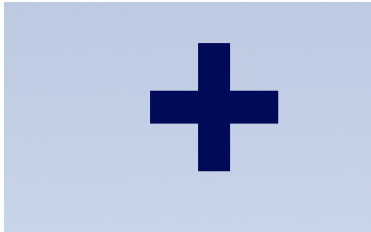
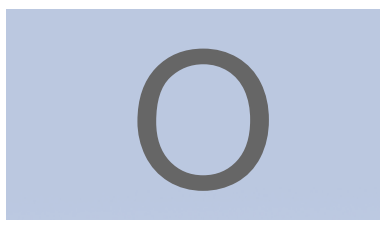
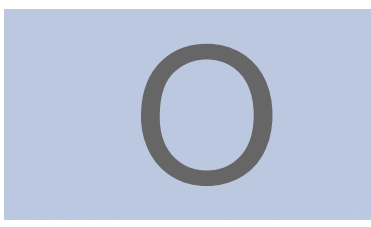
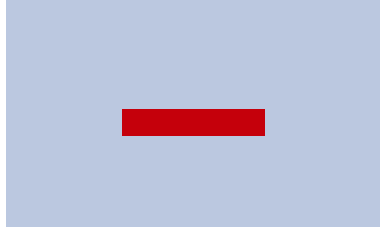
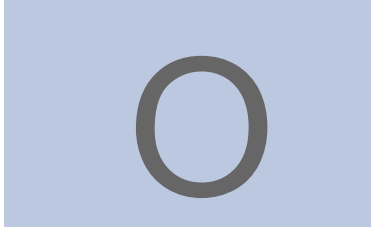
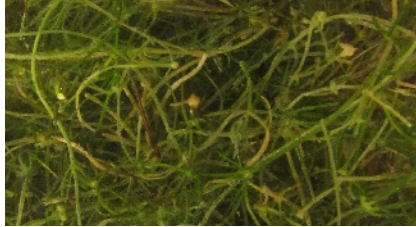
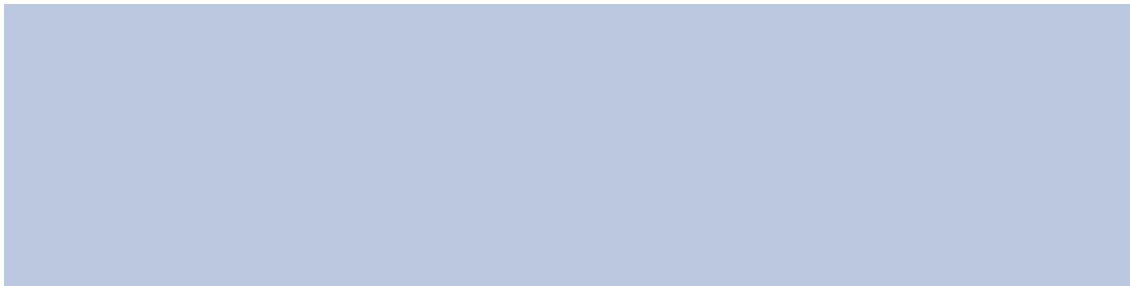
# Perch predation





# Damselfly predation





# Behavior?

No clear difference

# Size?

Yes!





# Discussion

Differences between lakes

A general pattern



# Thanks for your attention!



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# Questions?