

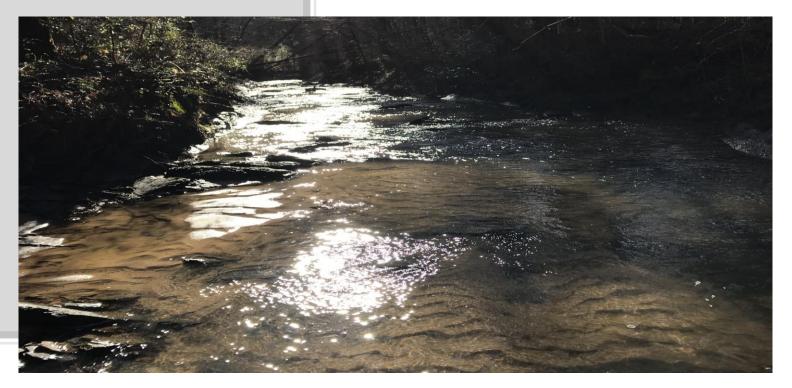
Aldridge, and Michael E. Colvin



#### What we know...

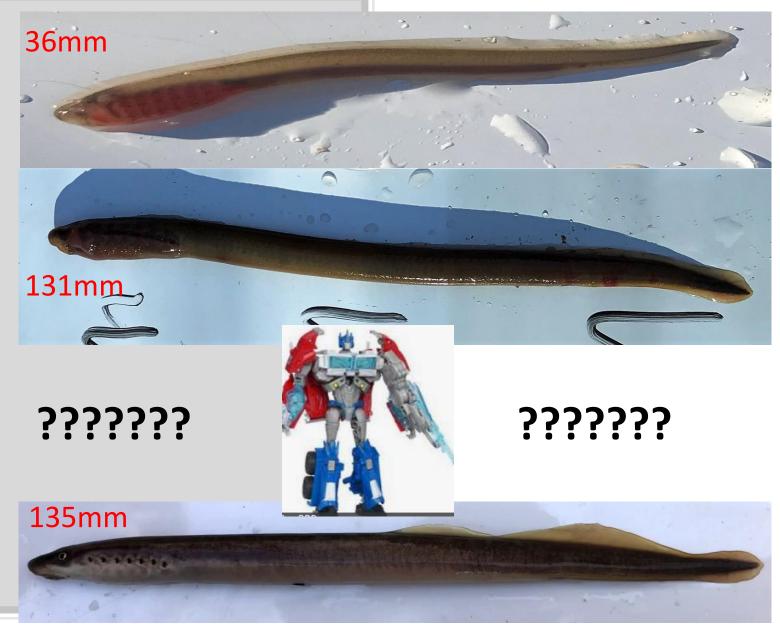
- SouthernUnited States
- Habitat preference





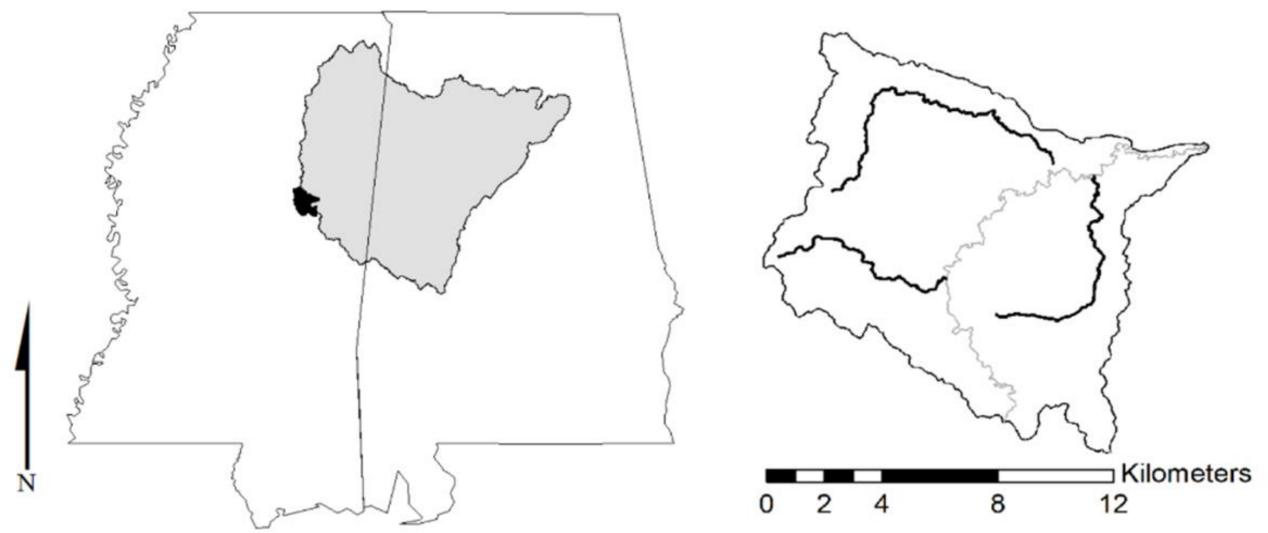
#### What we know...

- 3 Life Stages
- Life span
- EstimatedMaximumLength



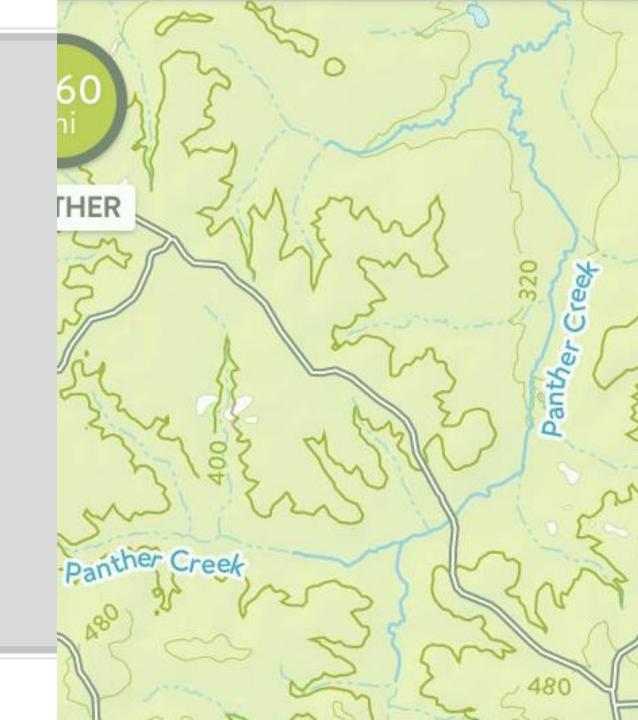
# Objectives

- Population Abundance and seasonal changes
- Determine the impact that size has on metamorphosis



# Question 1

Will Southern
 Brook Lamprey
 will be present
 throughout the
 entirety of
 Panther Creek?



### **Question 2**

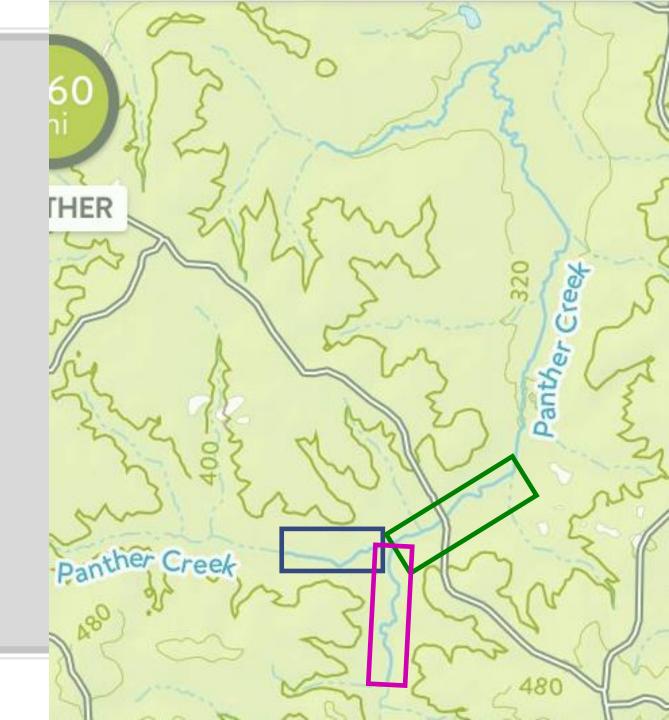
At what size will metamorphic traits always be present?





Fully Formed Gills

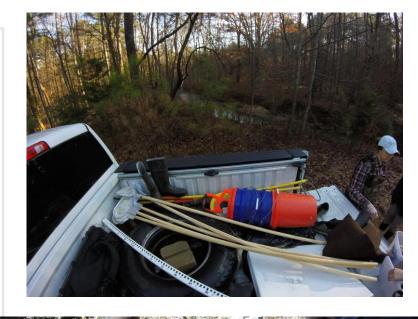
# Random Stratified Design





# Sampling: Electrofishing

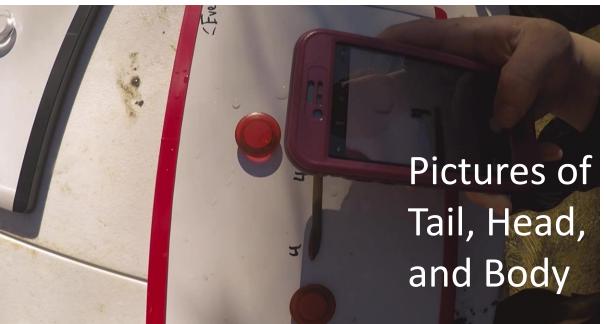






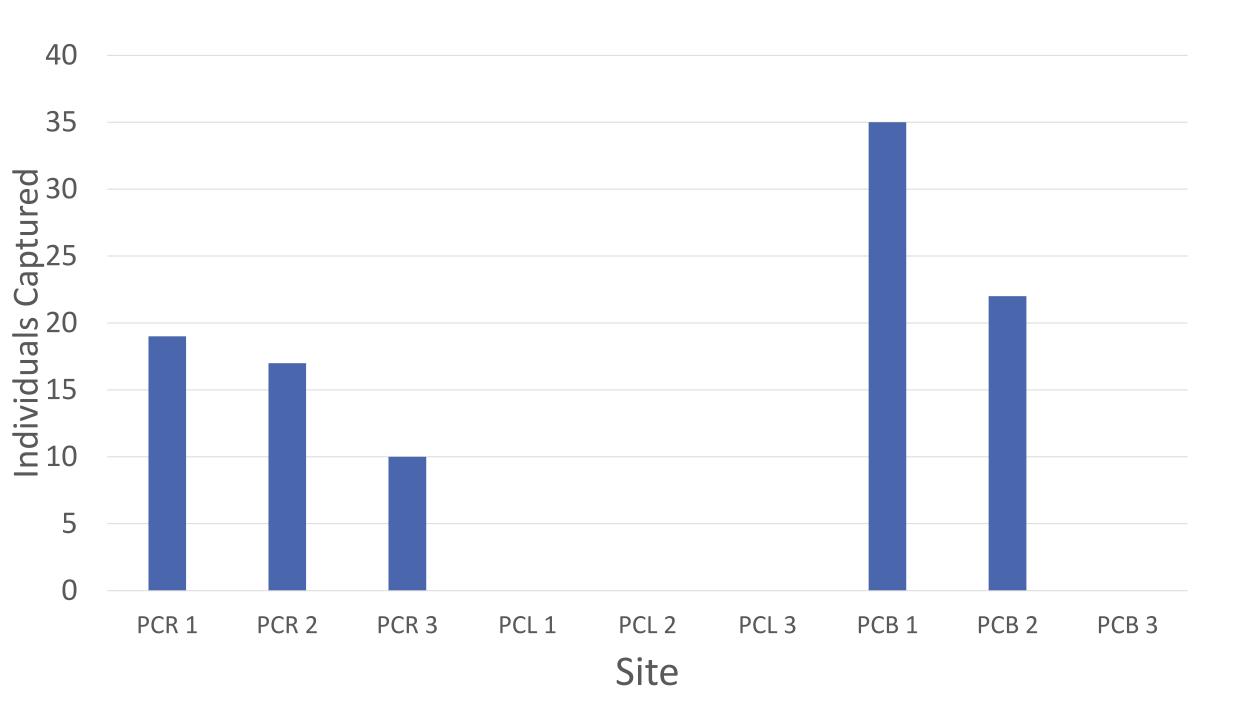






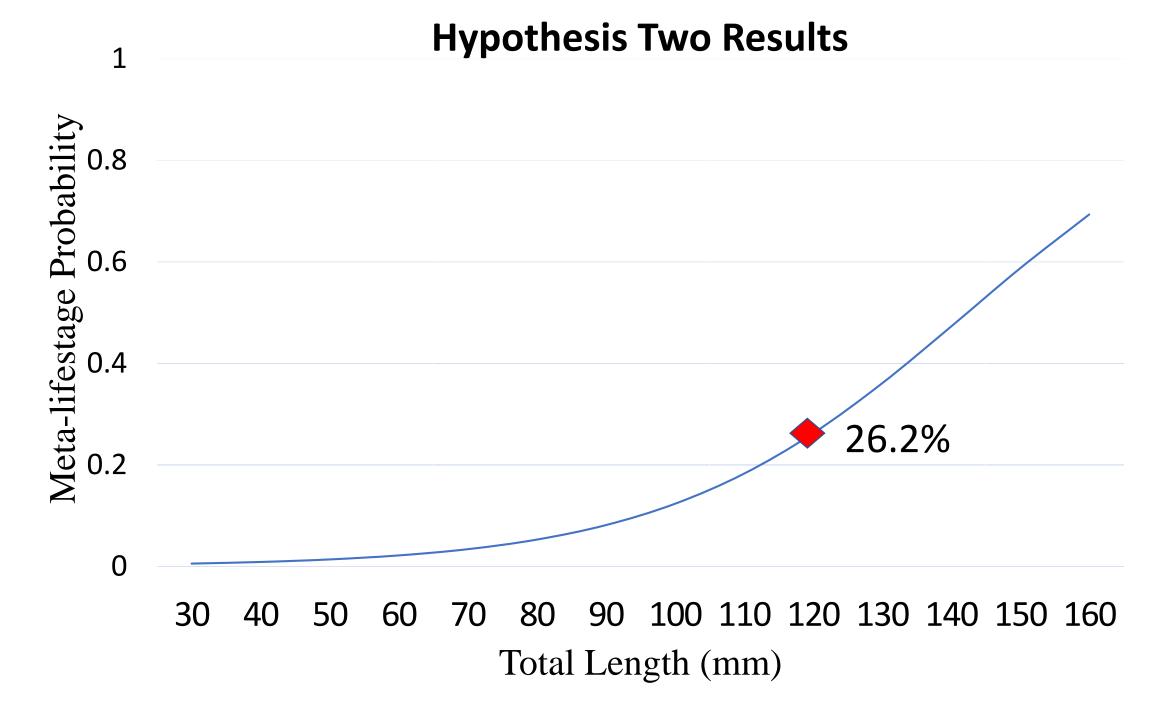


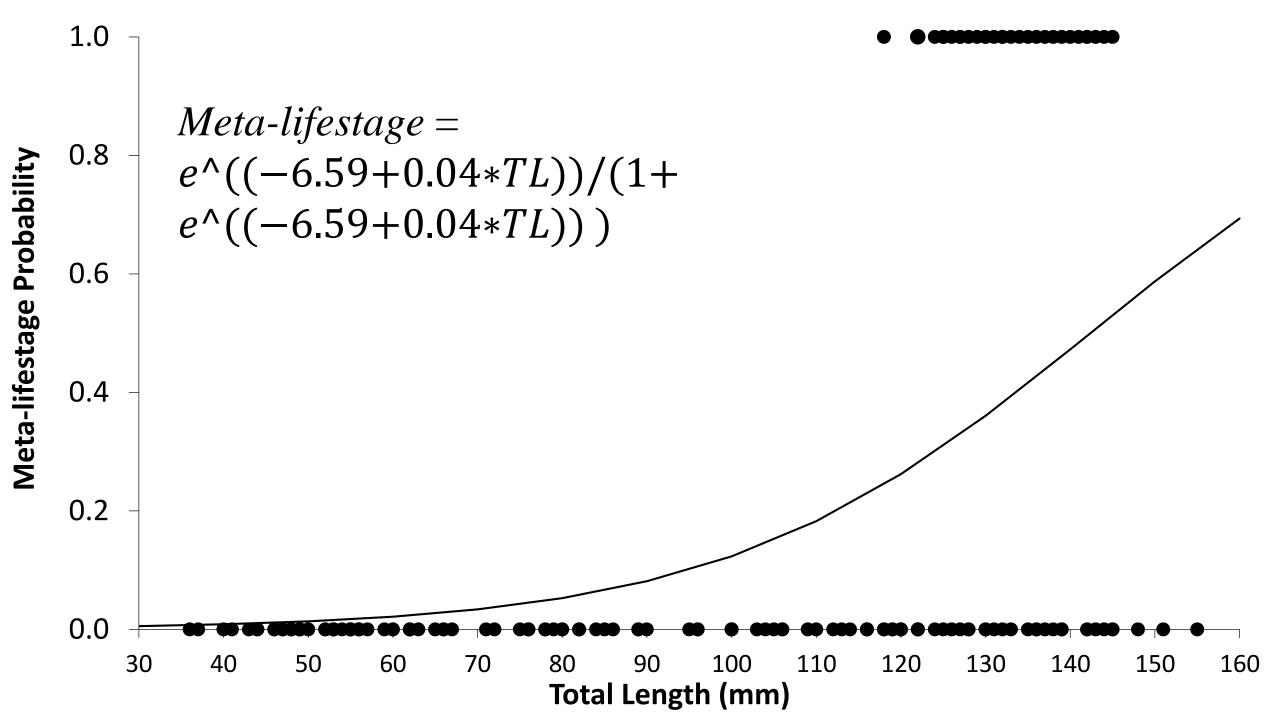
# Question 1: Will Southern Brook Lamprey will be present throughout the entirety of Panther Creek?

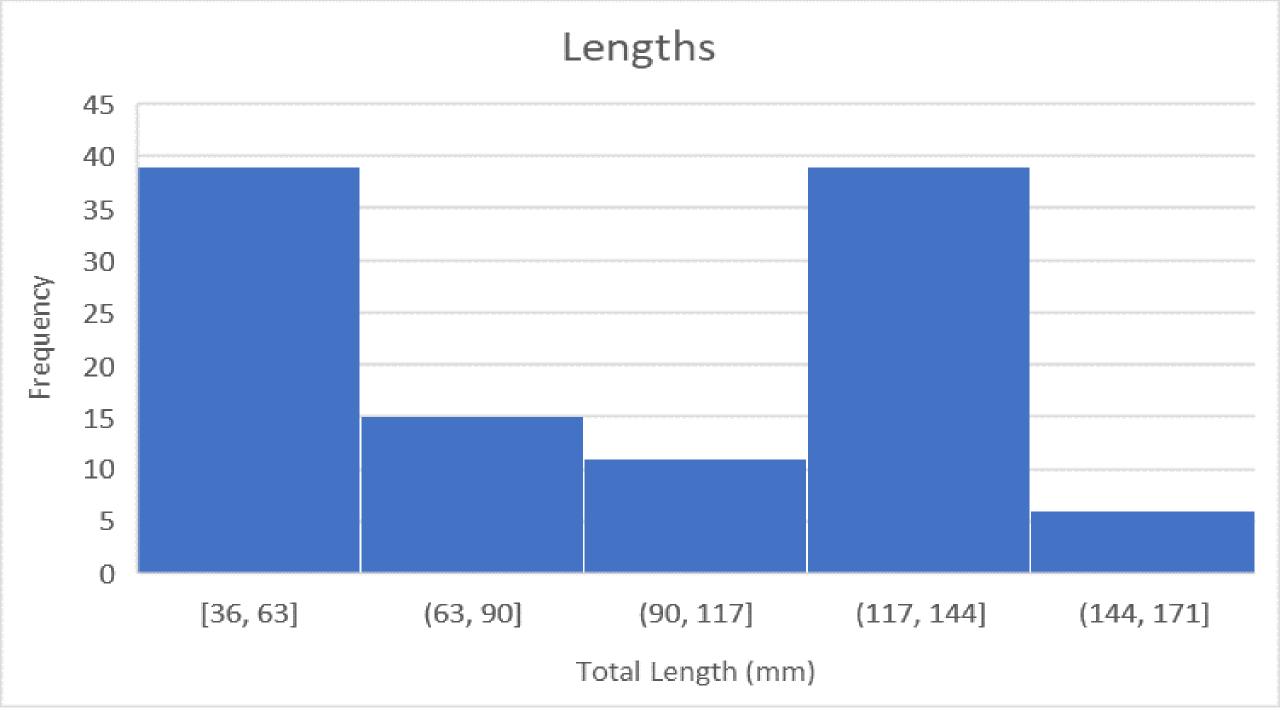




# Question 2: At what size will metamorphic traits always be present?







#### Discussion

- Life Stages
- Anatomy
- Current Panther Creek Distributions
- Length is not the only factor influencing metamorphosis



# For the Future...





