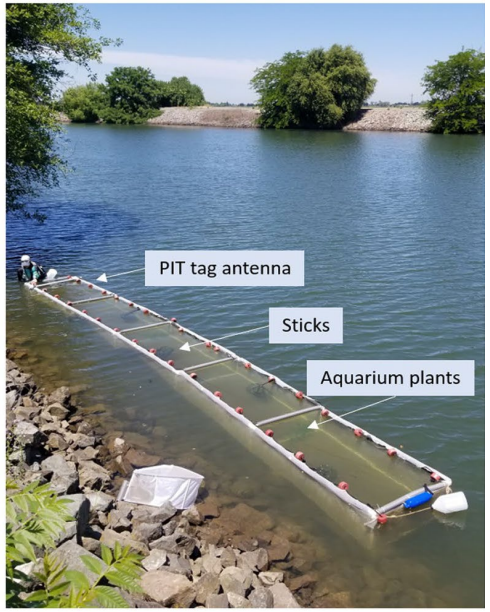
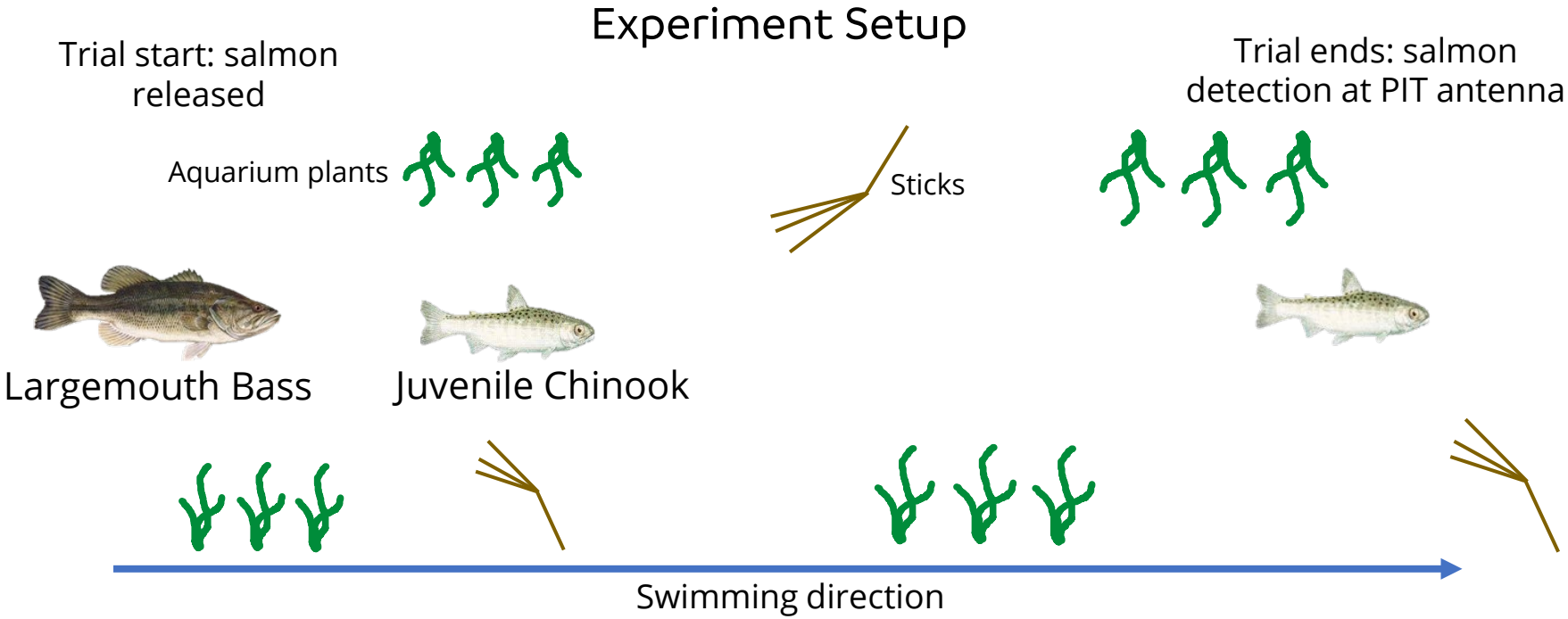
Environmental conditions and Juvenile Chinook salmon antipredator behavior

Fig 1c (Sabal et. al., 2021)



Trials conducted:
+/- overhead shade
+/- habitat structure
+/- Largemouth Bass Predator
salmon origin (hatchery vs wild)

Experiment Setup



Major findings:
Shade presence significantly impacted antipredator behavior
→ Increased behavior magnitude
→ Varied escape tactics (slower "caution" swimming)
→ No effect of habitat structure

Take-away-point(s):
1. Shaded riparian zones are important for avoiding predation.
2. Environmental cues can shape the magnitude and type of antipredator behavior of Chinook Salmon.

Sabal, M. C., et al. "Shade Affects Magnitude and Tactics of Juvenile Chinook Salmon Antipredator Behavior in the Migration Corridor." *Oecologia*, *197* (1), p. 89–100., https://doi.org/10.1007/s00442-021-05008-4.