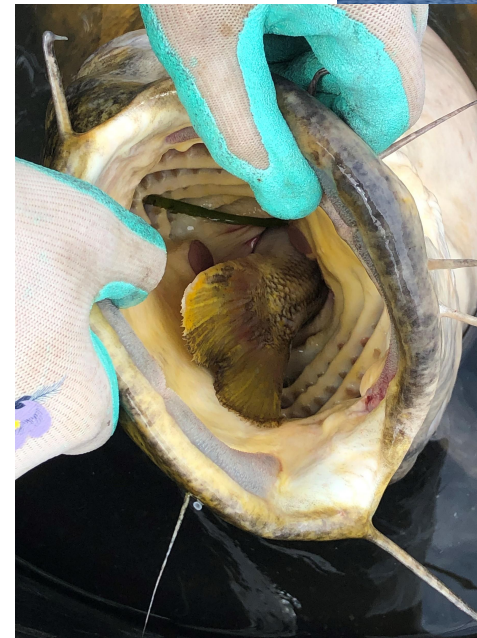


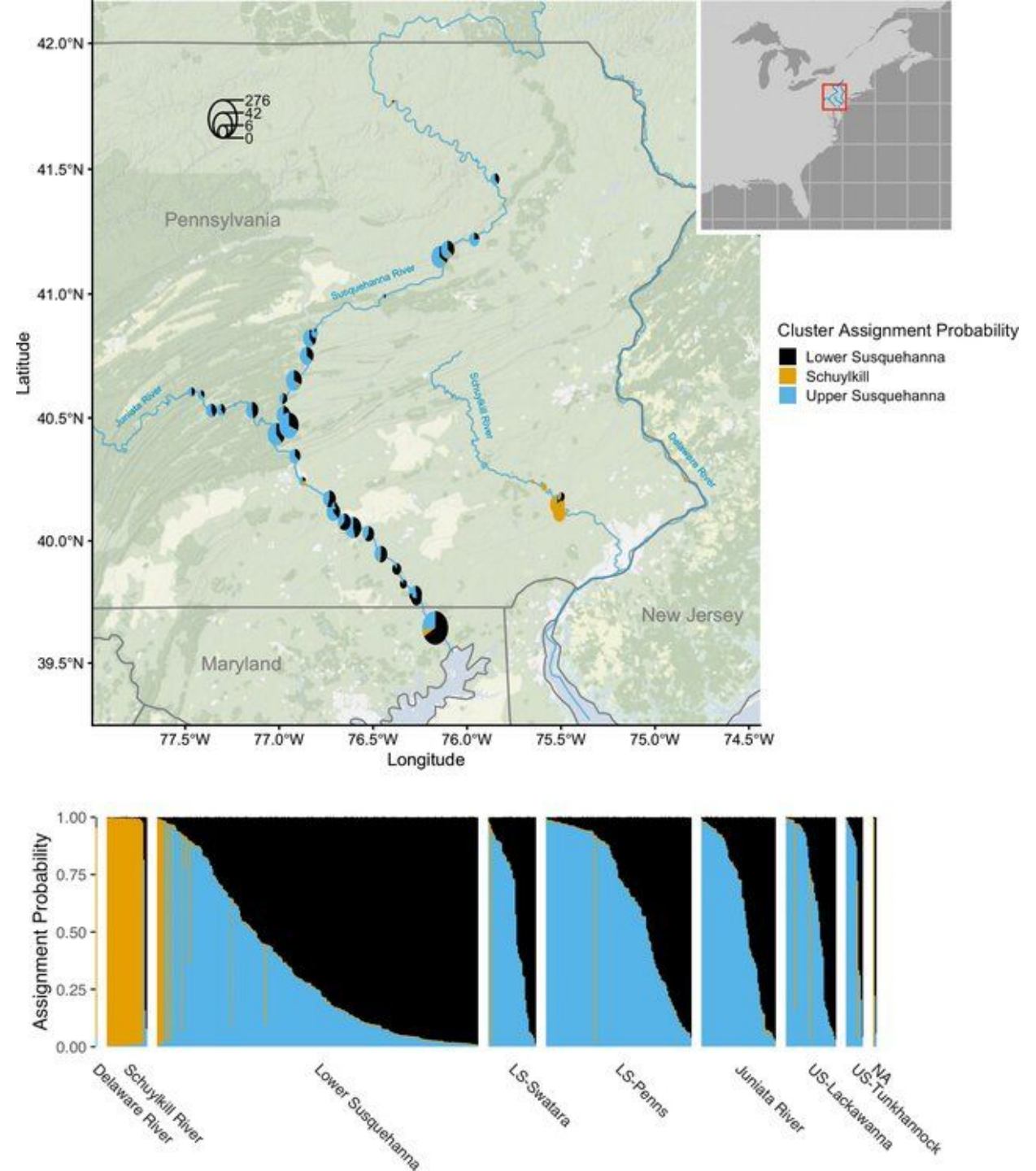
Multidisciplinary research update for Flathead Catfish in the Susquehanna River Basin

Geoff Smith
Pennsylvania Fish & Boat
Commission

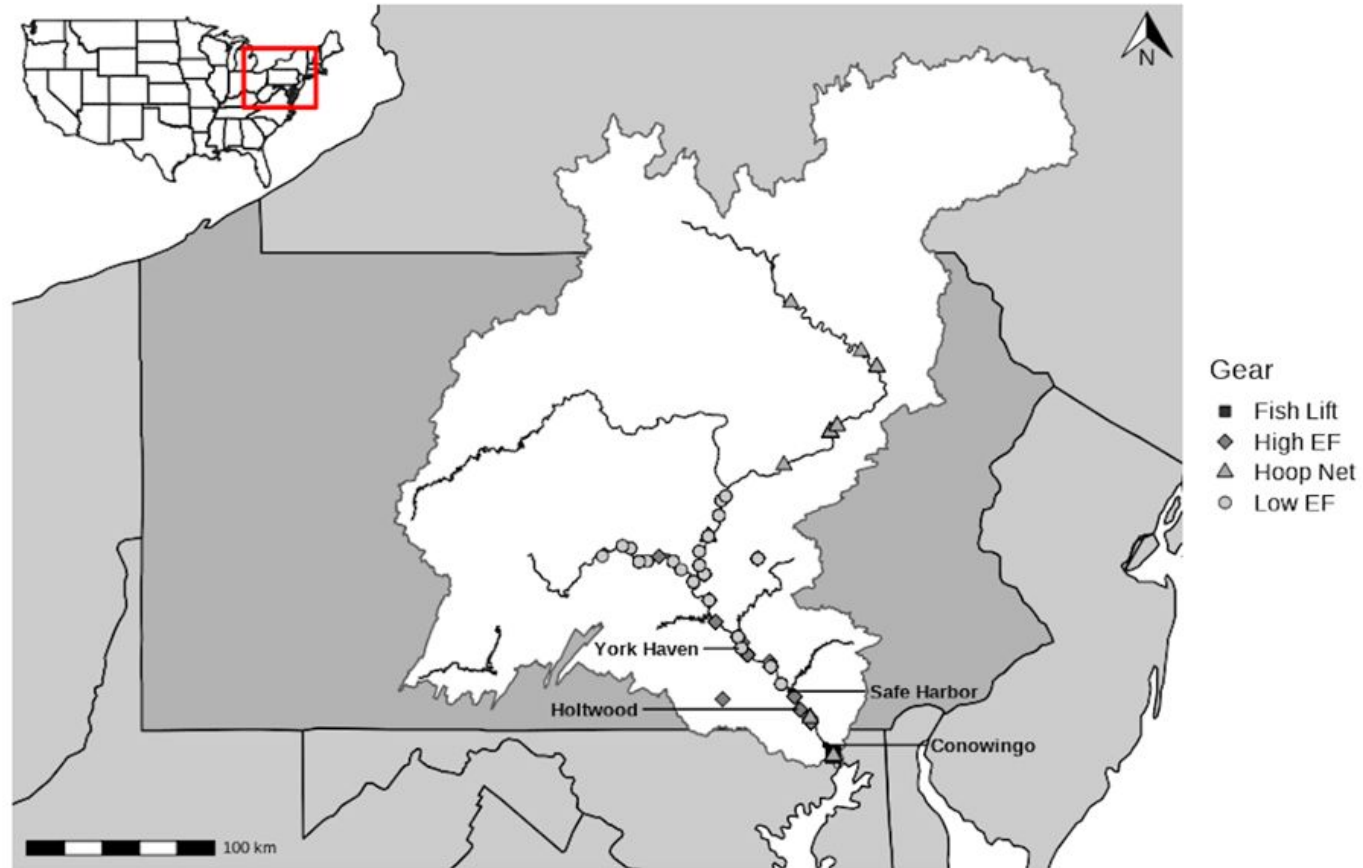


Structural clustering of subpopulations and individual assignments

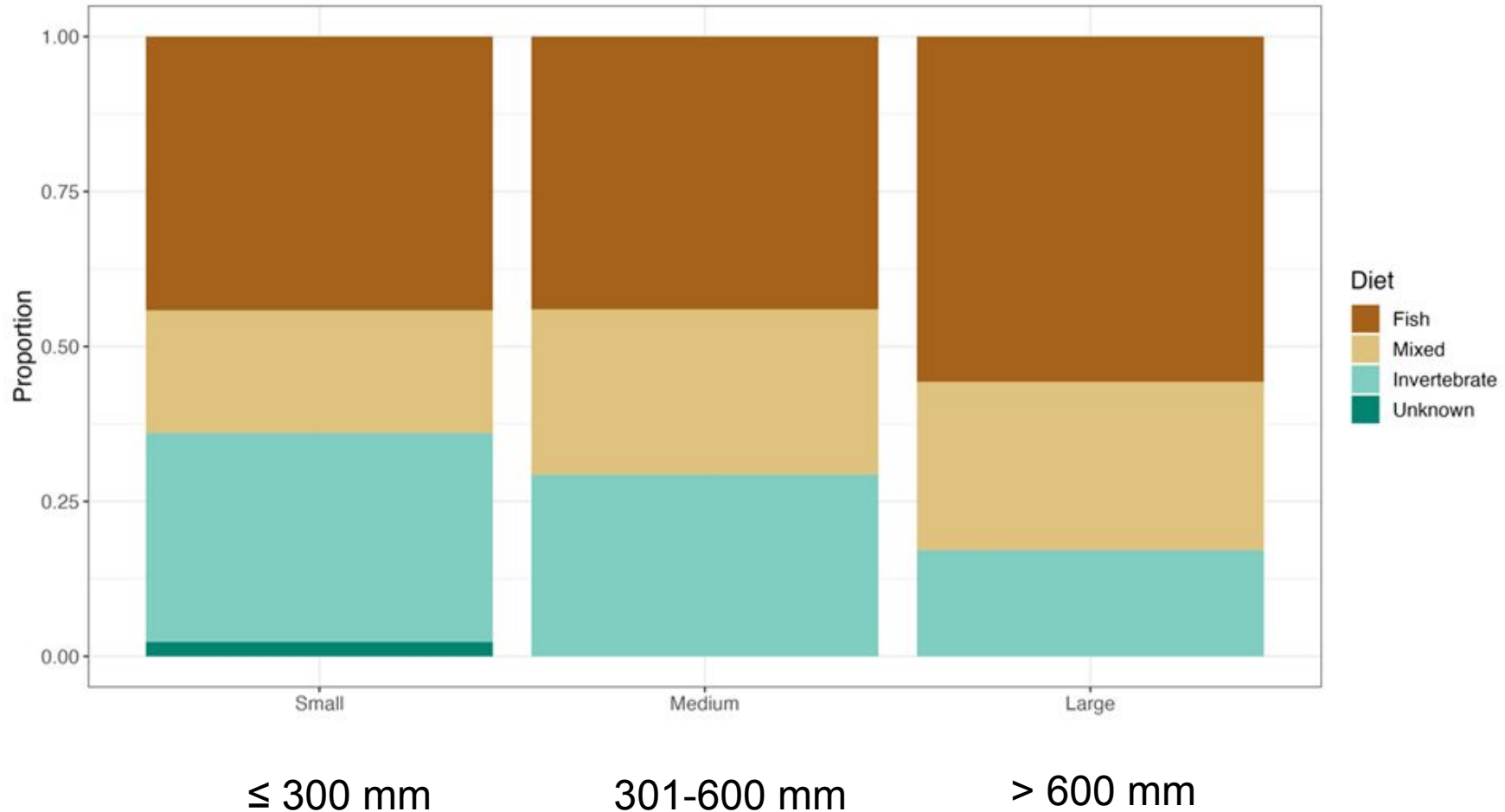
Waraniak et al. 2024. J of Fish Bio



Study area – diet

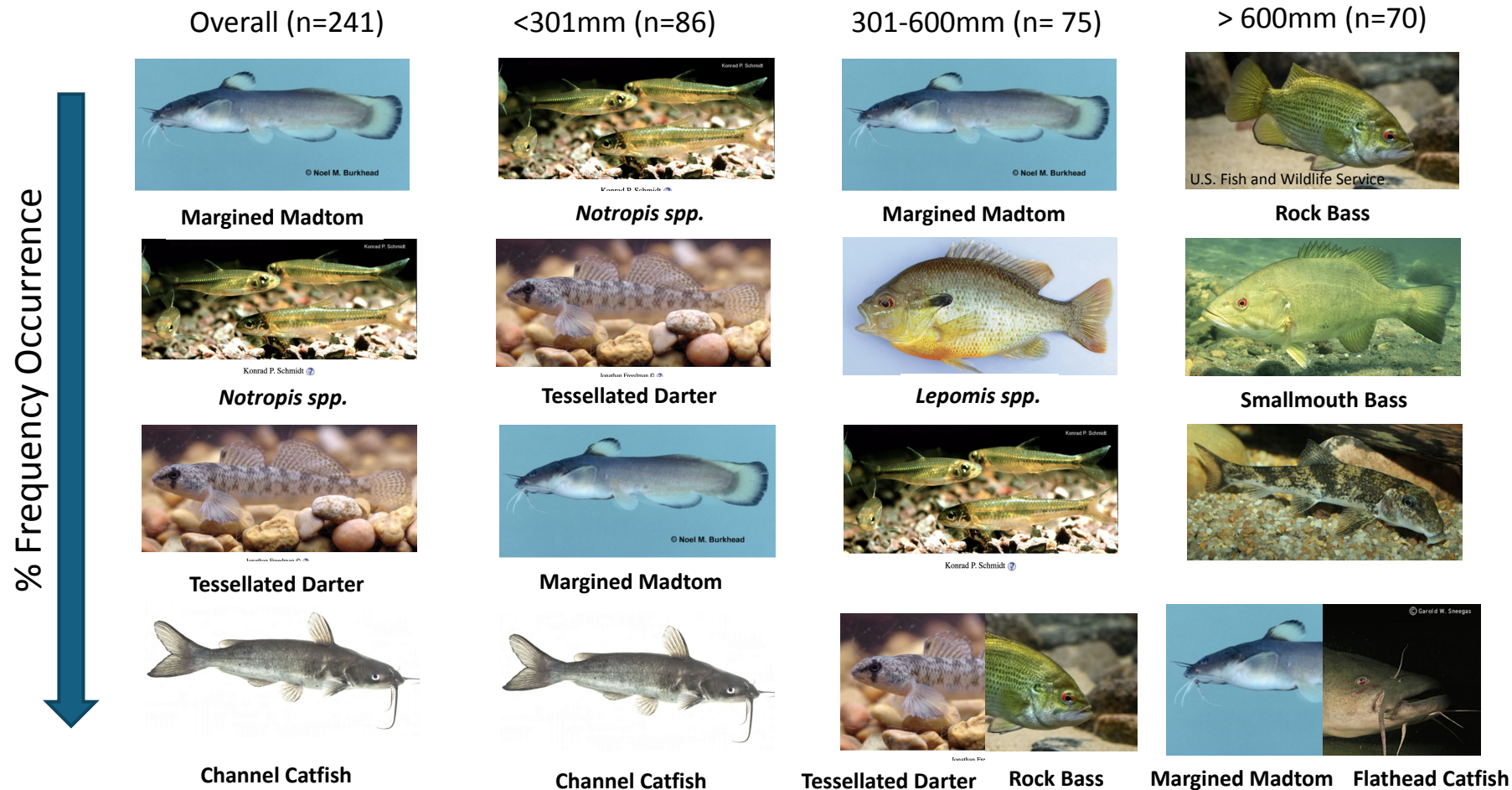


Proportion of prey types in diets of different length categories of Flathead Catfish



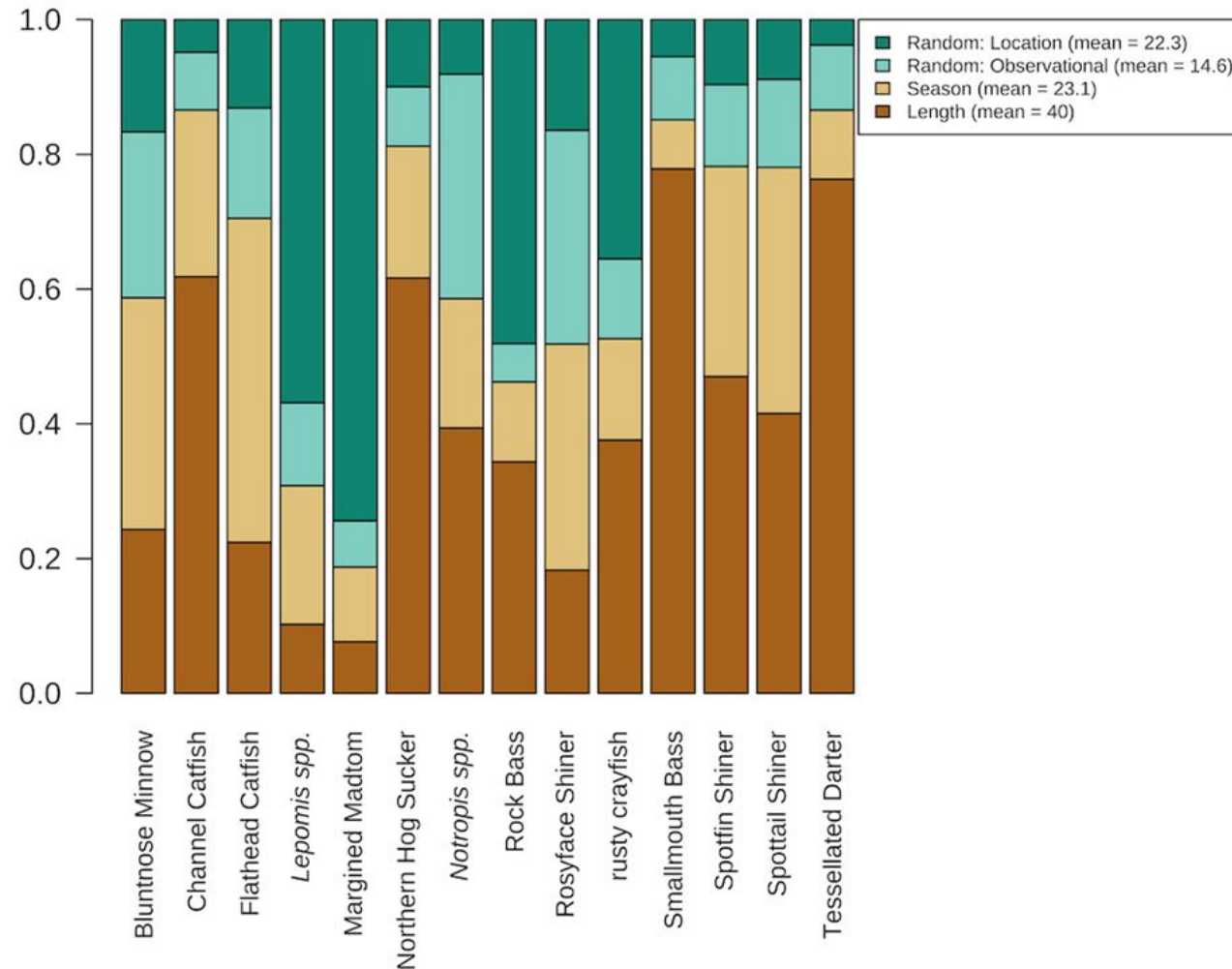
Frequency of occurrence of prey species in diets of different length categories of Flathead Catfish

* Same %FO

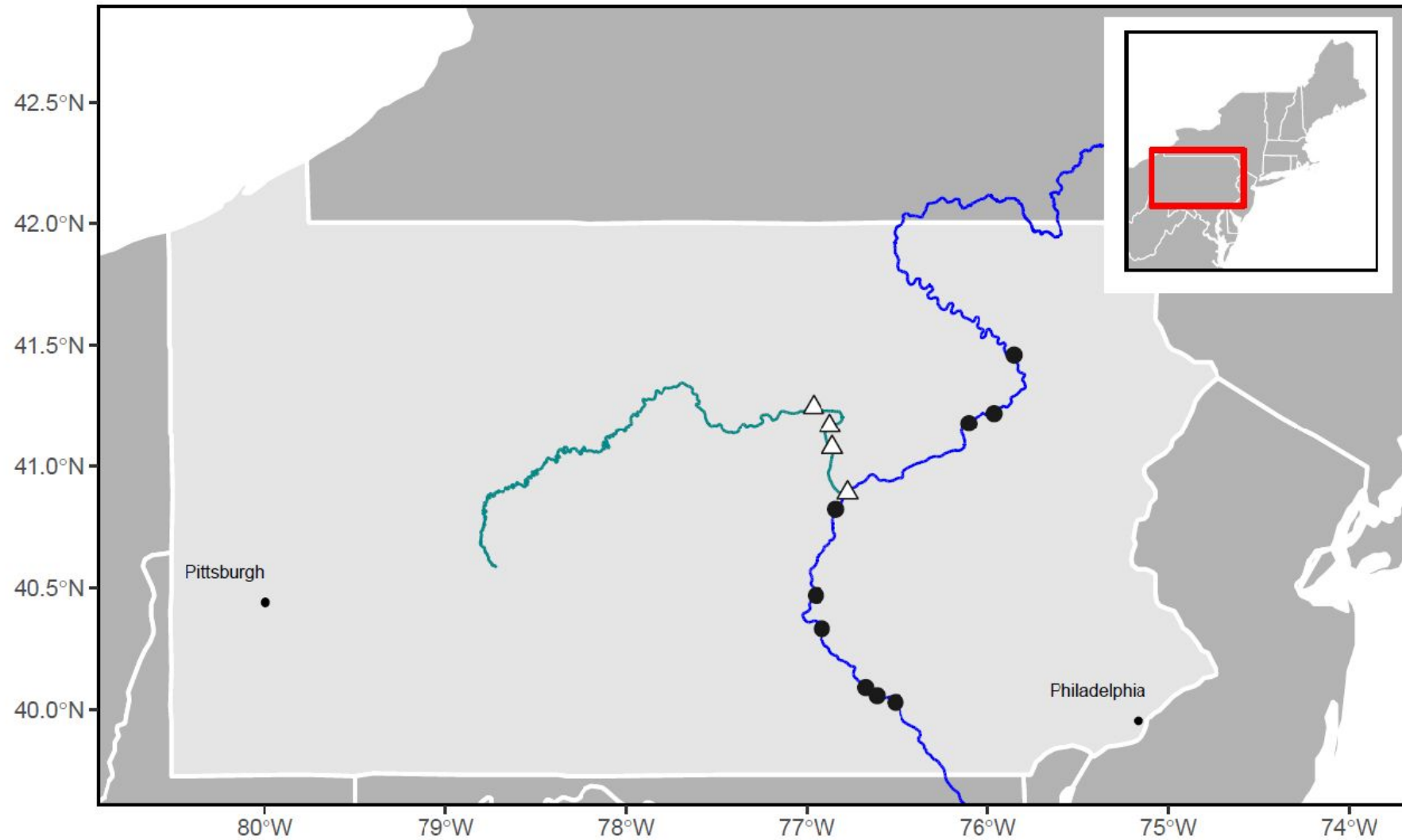


from Stark et al. 2024. TAFS

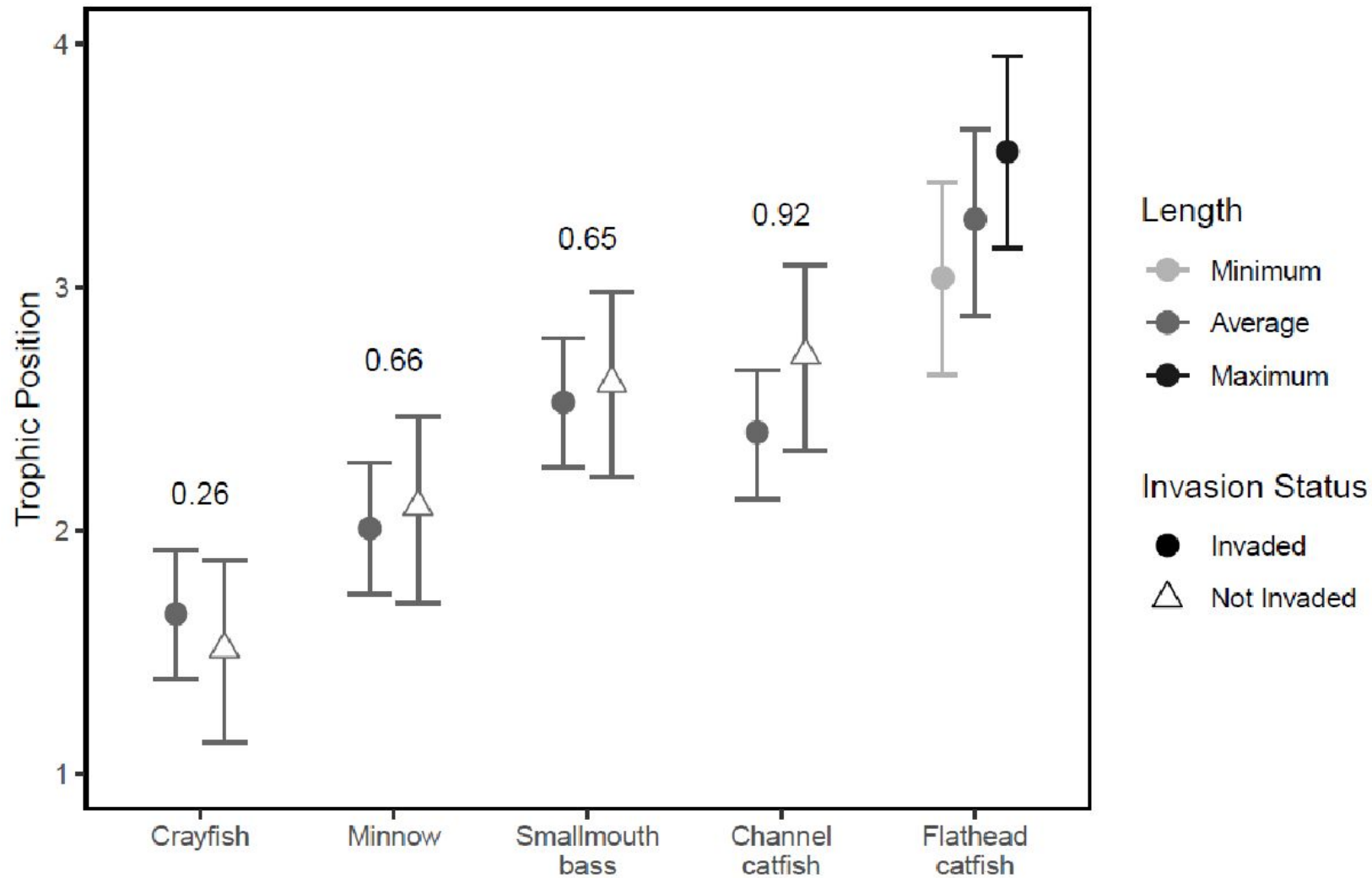
Proportion of variance explained by fixed (length, season) and random (location, observation) effects of prey items in Flathead Catfish diets



Study area – stable isotope analysis



Change in trophic position



Standard ellipse areas (corrected) for food web components

