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Benthic Beasts: The Ecological Significance of the Lake Sturgeon and Blue Catfish in Eastern Appalachian River Systems.

By Stewart Thacker





What is Benthic?

Benthic simply put means "bottom." Meaning species such as Blue Catfish, Lake Sturgeon, and Common Carp are all species residing in the benthic zone of the water column. These species often referred to as "bottom feeders." This is mainly misconstrued with them inhabiting the bottom while feeding partially on the bottom. So, why all the fuss?







Significance: *A. fulvescens*

- Sturgeon are benthivores
- Sturgeon diet consists of feeding mostly on small invertebrates such as insect larvae, crayfish, snails, clams and leeches.
- As well as detritus and similar waste products.
- This means they are a primary regulator of biowaste and smaller organisms that are often avoided by photic and euphotic dwelling species.



Significance: *I. furcatus*

- Blue Catfish are opportunistic/generalist feeders.
- Blue Catfish diet is described as "anything that can fit in their mouths."
- This means that they regulate all levels of the water column.
 Species control is their primary role within the waterbody



