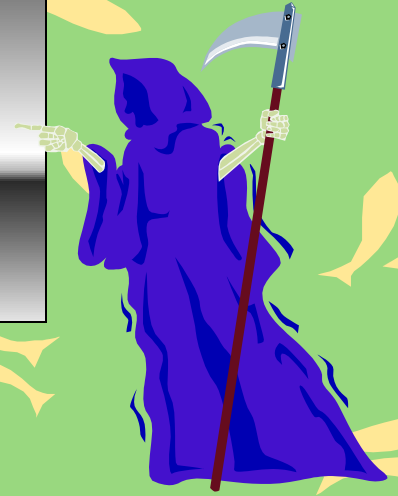


***Fighting For
Life in French***



Threats and Challenges Faced by Fish in French Creek



- **Finding Food**
- **Toxins**
- **Predators**
- **Human Water Use/Consumption**
- ***Fishing***
- ***Man-made Dams***
- ***Pollution from Human Activity***
- ***Low Oxygen Levels***

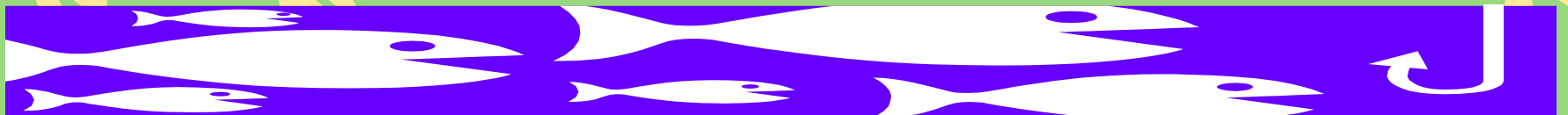
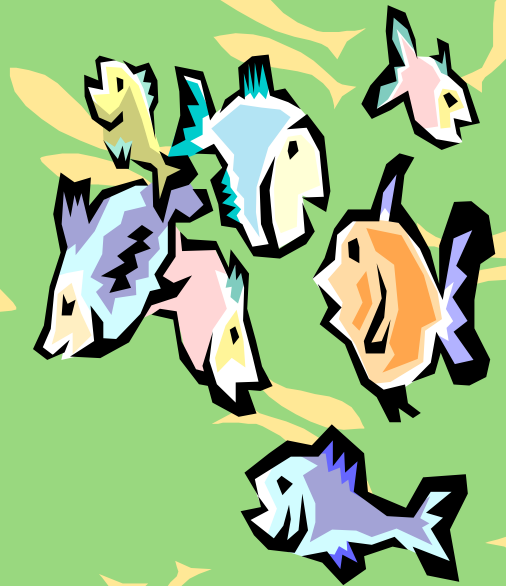
PA Fish and Boat Commission List of Endangered and Threatened Species

Endangered Fish:

Shortnose sturgeon
Lake sturgeon
Northern brook lamprey
Gravel chub
Eastern sand darter
Longnose sucker
Spotted darter
Tippecanoe darter
Longhead darter

Threatened Fish:

Ohio lamprey
Mountain brook lamprey
Atlantic sturgeon
Mountain madtom
Northern madtom
Burbot
Bluebreast darter
Channel darter Gilt darter





Atlantic sturgeon, threatened



The clubshell mussel (above) and the riffleshell mussel are the two mussel species endangered in Pennsylvania.



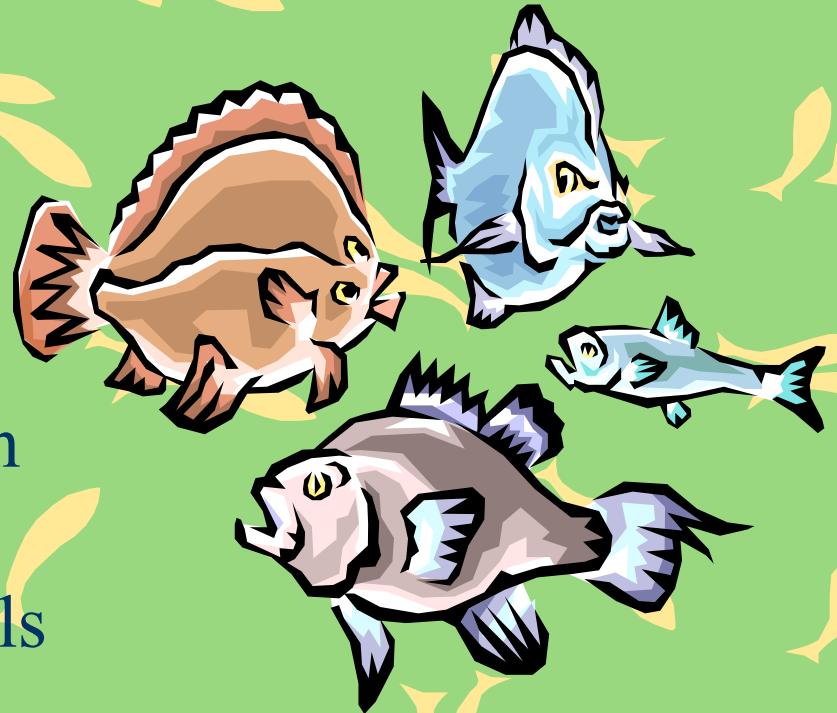
Longnose sucker, endangered



Ohio lamprey, threatened

- Toxins in French Creek from a variety of sources. Toxins can cause *bioaccumulation*.

- Bioaccumulation** is the passing of toxins between different levels of a food chain. As the toxin travels up the food chain the amount of toxin increase per organism.





- Low oxygen levels in a waterway cause many problems for fish including a process called *eutrophication*.

- *Eutrophication* occurs when there are large algal that die and then decompose. Bacteria involved in decomposition consume oxygen and decrease dissolved oxygen levels within the stream.