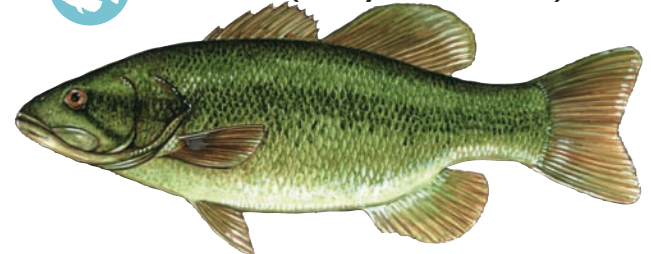


**Sunfishes (Family Centrarchidae)**



**Largemouth Bass** (*Micropterus salmoides*)



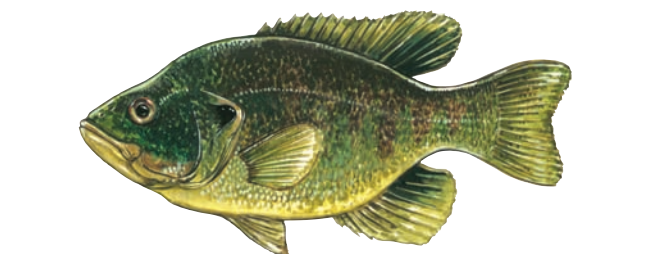
**Smallmouth Bass** (*Micropterus dolomieu*)



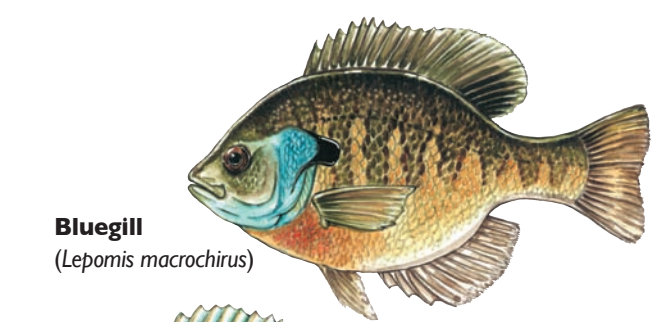
**Spotted Bass** (*Micropterus punctulatus*)



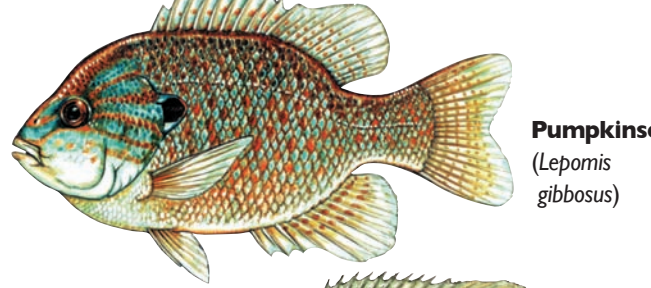
**Rock Bass** (*Ambloplites rupestris*)



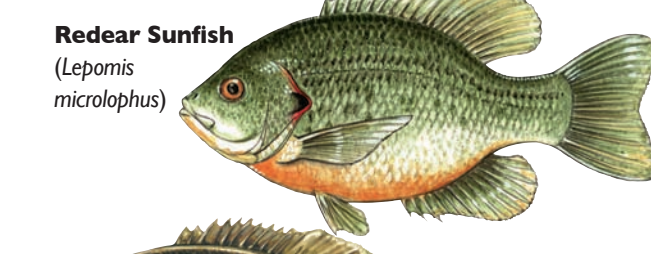
**Green Sunfish** (*Lepomis cyanellus*)



**Bluegill** (*Lepomis macrochirus*)



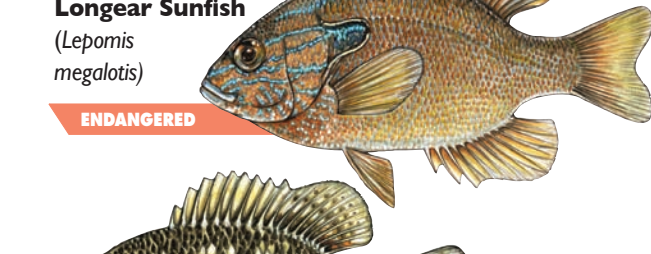
**Pumpkinseed** (*Lepomis gibbosus*)



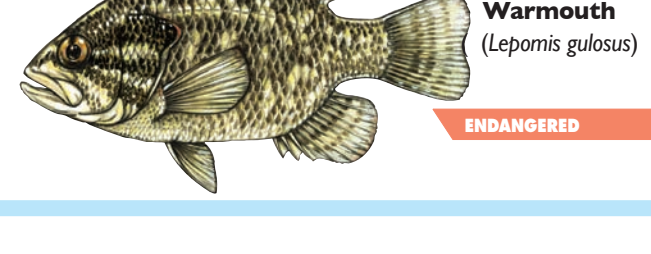
**Redear Sunfish** (*Lepomis microlophus*)



**Redbreast Sunfish** (*Lepomis auritus*)



**Longear Sunfish** (*Lepomis megalotis*)



**Warmouth** (*Lepomis gulosus*)



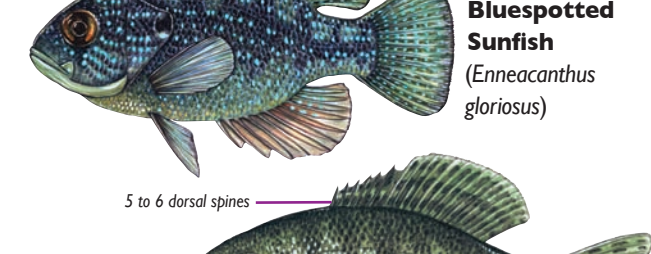
**Mud Sunfish** (*Acantharchus pomotis*)



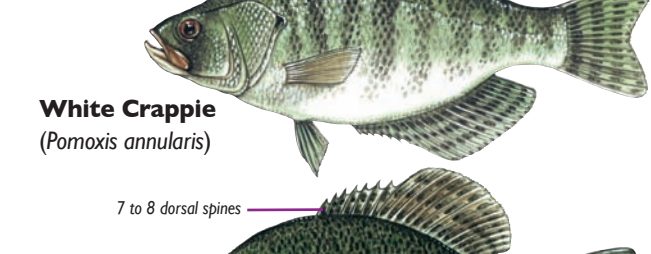
**Banded Sunfish** (*Enneacanthus obesus*) **ENDANGERED**



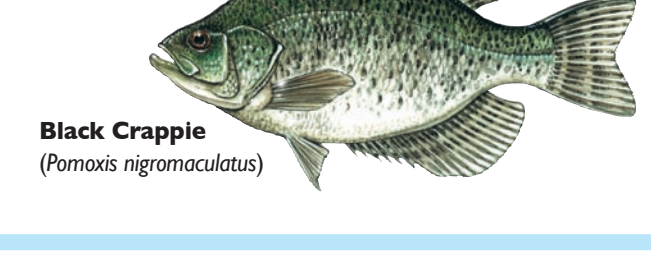
**Blackbanded Sunfish** (*Enneacanthus chaetodon*)



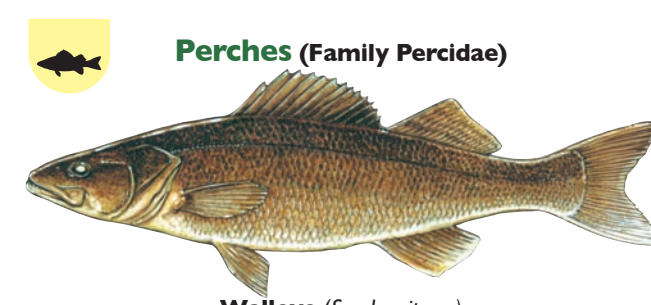
**Bluespotted Sunfish** (*Enneacanthus gloriosus*)



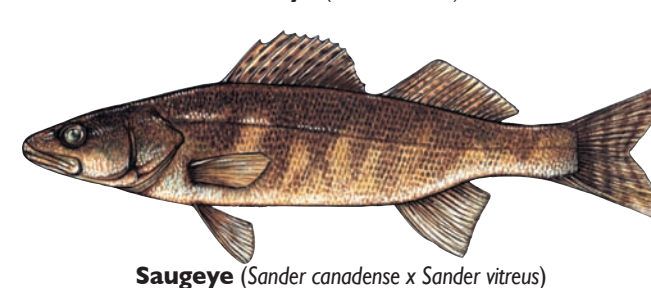
**White Crappie** (*Pomoxis annularis*)



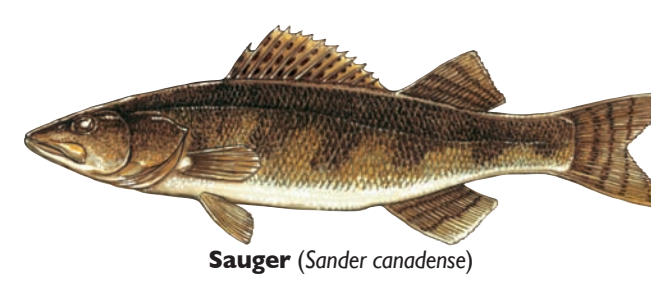
**Black Crappie** (*Pomoxis nigromaculatus*)



**Walleye** (*Sander vitreus*)



**Saugeye** (*Sander canadense* x *Sander vitreus*)



**Sauger** (*Sander canadense*)



**Yellow Perch** (*Perca flavescens*)



**Logperch** (*Percina caprodes*)



**Johnny Darter** (*Etheostoma nigrum*)



**Tesselated Darter** (*Etheostoma olmstedi*)



**Greenside Darter** (*Etheostoma blennioides*)



**Banded Darter** (*Etheostoma zonale*)



**Rainbow Darter** (*Etheostoma caeruleum*)



**Bluebreast Darter** (*Etheostoma caeruleum*) **THREATENED**



**Spotted Darter** (*Etheostoma maculatum*) **THREATENED**



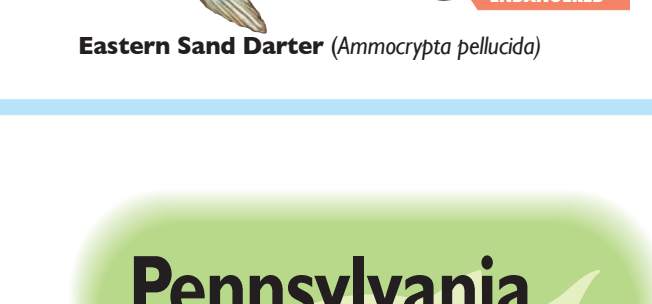
**Tippecanoe Darter** (*Etheostoma tippecanoe*) **THREATENED**



**Gilt Darter** (*Percina evides*) **THREATENED**



**Longhead Darter** (*Percina macrocephala*)



**Eastern Sand Darter** (*Ammocrypta pellucida*) **ENDANGERED**

**Trout and Salmon (Family Salmonidae)**



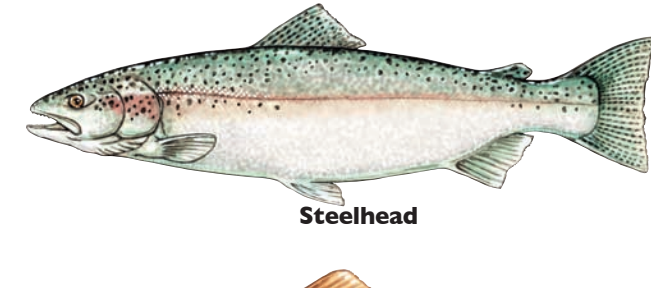
**Brook Trout** (*Salvelinus fontinalis*)  
*Pennsylvania's State Fish*



**Brown Trout** (*Salmo trutta*)



**Rainbow Trout** (*Oncorhynchus mykiss*)



**Steelhead**



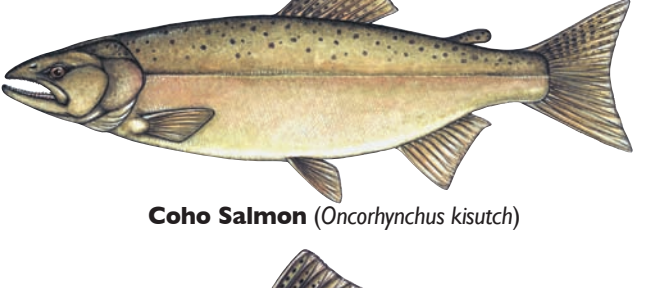
**Golden Rainbow Trout** (*Oncorhynchus mykiss*)



**Lake Trout** (*Salvelinus namaycush*)



**Chinook Salmon** (*Oncorhynchus tshawytscha*)



**Coho Salmon** (*Oncorhynchus kisutch*)

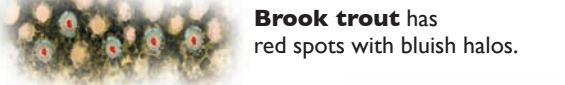


**Pink Salmon** (*Oncorhynchus gorbuscha*)

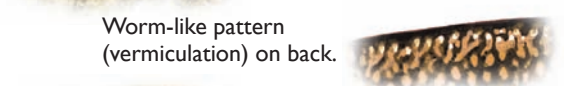


**Atlantic Salmon** (*Salmo salar*)

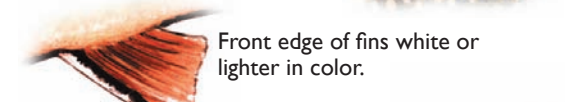
**Trout species identification**



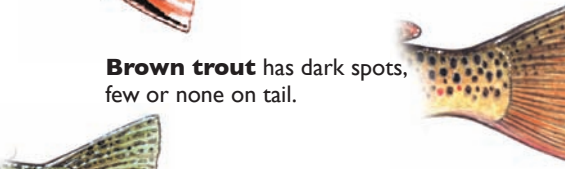
**Brook trout** has red spots with bluish halos.



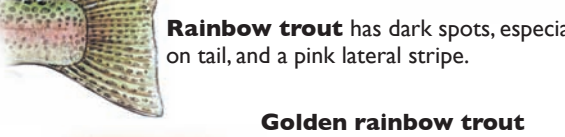
Worm-like pattern (vermiculation) on back.



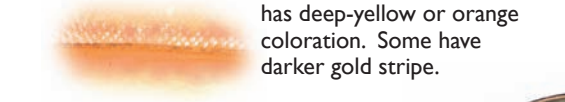
Front edge of fins white or lighter in color.



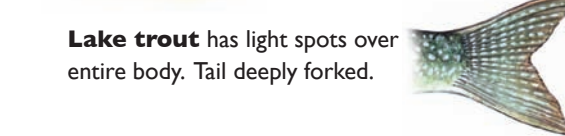
**Brown trout** has dark spots, few or none on tail.



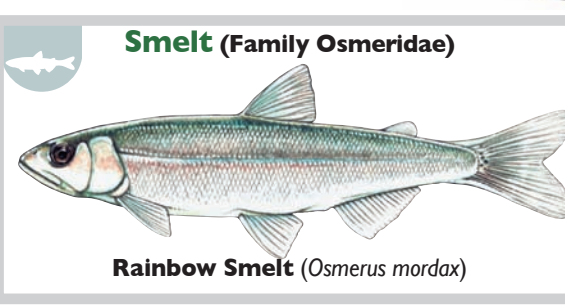
**Rainbow trout** has dark spots, especially on tail, and a pink lateral stripe.



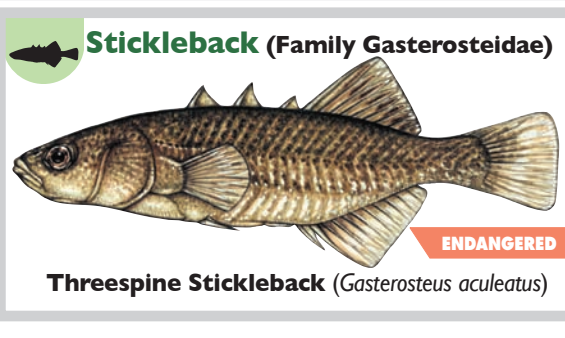
**Golden rainbow trout** has deep-yellow or orange coloration. Some have darker gold stripe.



**Lake trout** has light spots over entire body. Tail deeply forked.



**Smelt (Family Osmeridae)**  
**Rainbow Smelt** (*Osmerus mordax*)



**Stickleback (Family Gasterosteidae)**  
**Threespine Stickleback** (*Gasterosteus aculeatus*) **ENDANGERED**

**Sturgeons (Family Acipenseridae)**



**Shortnose Sturgeon** (*Acipenser brevirostrum*) **ENDANGERED**

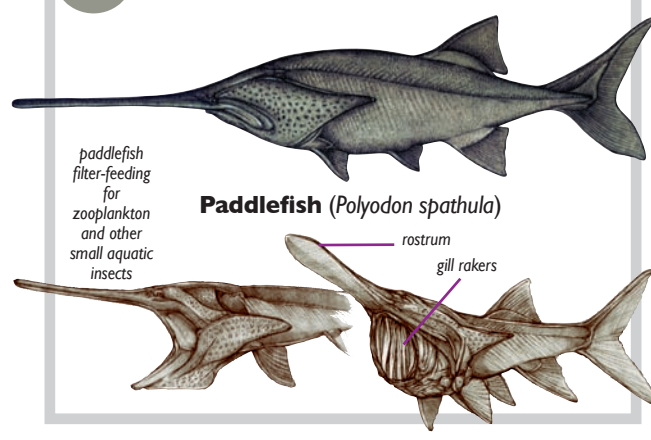


**Lake Sturgeon** (*Acipenser fulvescens*) **ENDANGERED**

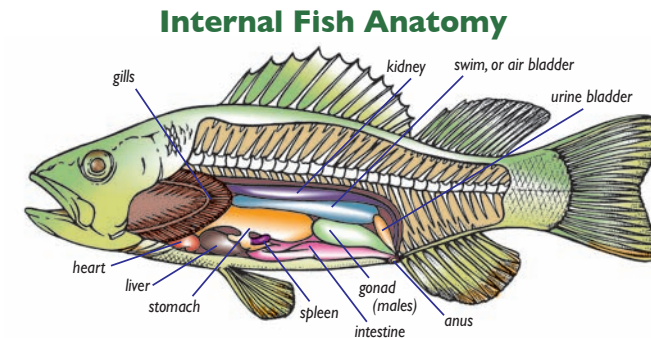


**Atlantic Sturgeon** (*Acipenser oxyrinchus*)

**Paddlefish (Family Polyodontidae)**

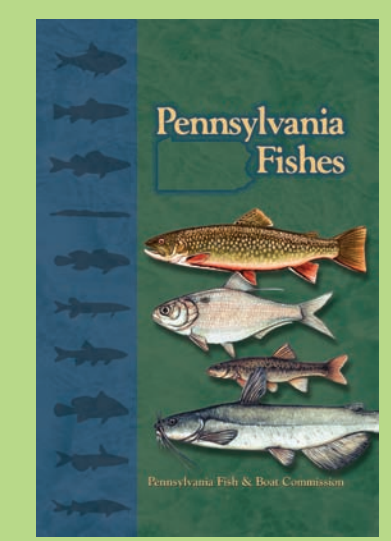


**Paddlefish** (*Polyodon spathula*)



**Internal Fish Anatomy**

**Want to know more?**



Get the Commission's book on Pennsylvania fish species.

**Pennsylvania Fishes** is 6 x 9 inches, full color with illustrations. It contains detailed information on 140 fishes, sections on identification, habitat, life history, and a list of species by watershed. Send **\$9.43\*** (plus \$7 PA state sales tax for PA residents) with \$3.00 shipping and handling to:

**Media Services Section**  
**Pennsylvania Fish & Boat Commission**  
P.O. Box 67000  
Harrisburg, PA 17106-7000

or purchase on the Commission's website: [www.fishandboat.com](http://www.fishandboat.com)

**Pennsylvania ANGLER & BOATER**

printed on recycled paper with soy-based inks  
© Pennsylvania Fish & Boat Commission

**Pennsylvania Fishes**

**IDENTIFICATION GUIDE**



illustration-Ted Walke

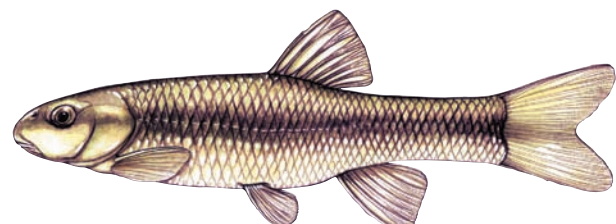




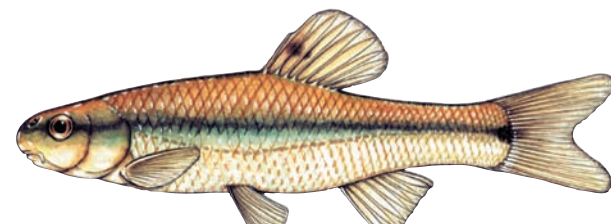
### Minnows (Family Cyprinidae)



Grass Carp (*Ctenopharyngodon idella*)



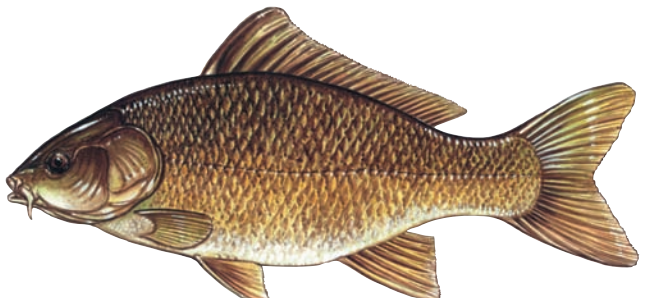
River Chub (*Nocomis micropogon*)



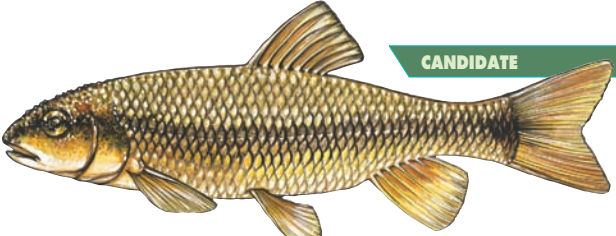
Bluntnose Minnow (*Pimephales notatus*)



Central Stoneroller (*Camptostoma anomalum*)



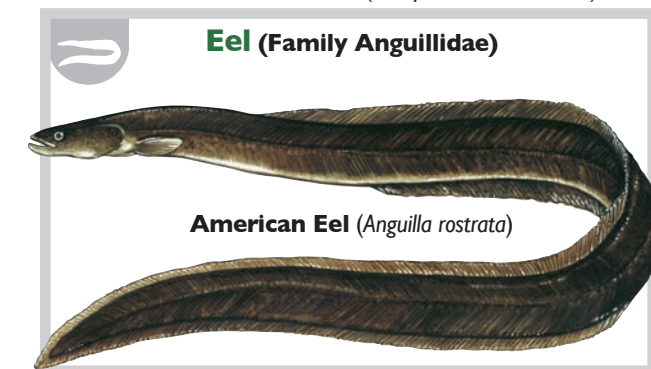
Common Carp (*Cyprinus carpio*)



Hornyhead Chub (*Nocomis biguttatus*)

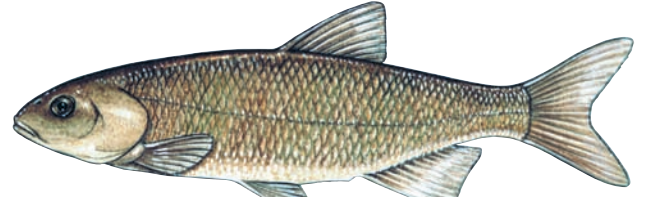


Cutlips Minnow (*Exoglossum maxillingua*)

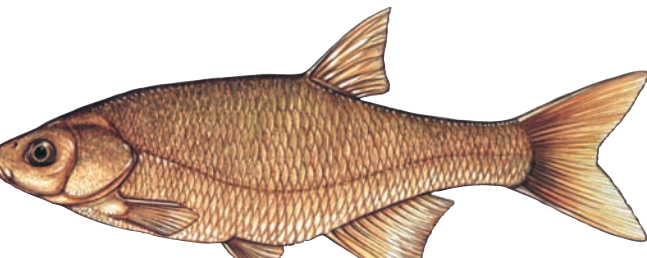


Eel (Family Anguillidae)

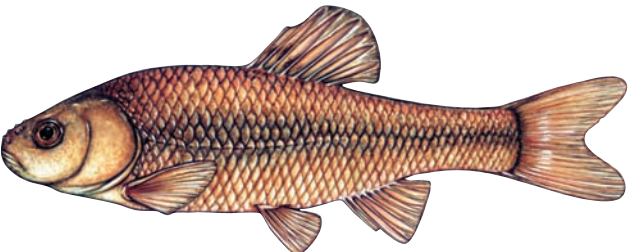
American Eel (*Anguilla rostrata*)



Fallfish (*Semotilus corporalis*)



Golden Shiner (*Notemigonus crysoleucas*)

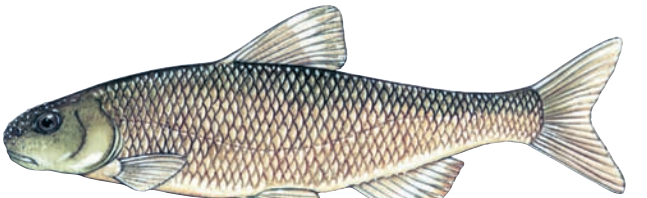


Fathead Minnow (*Pimephales promelas*)



Bowfin (Family Amiidae)

Bowfin (*Amia calva*)



Common Shiner (*Luxilus cornutus*)



Emerald Shiner (*Notropis atherinoides*)



Blacknose Dace (*Rhinichthys atratulus*)



Killifishes (Family Fundulidae)

Banded Killifish (*Fundulus diaphanus*)



Creek Chub (*Semotilus atromaculatus*)



Spotfin Shiner (*Cyprinella spiloptera*)



Longnose Dace (*Rhinichthys cataractae*)

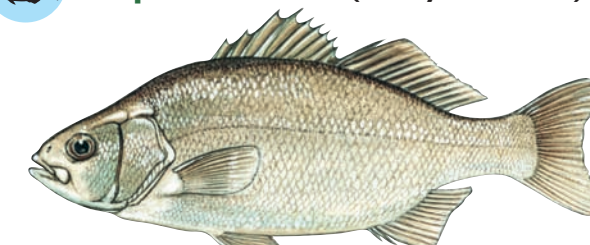


Burbot (Family Gadidae)

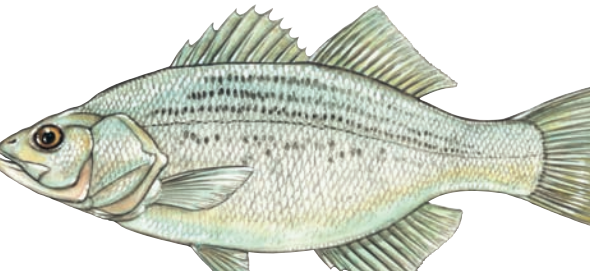
Burbot (*Lota lota*) (endangered-inland populations only)



### Temperate Basses (Family Moronidae)



White Perch (*Morone americana*)



White Bass (*Morone chrysops*)



Striped Bass (*Morone saxatilis*)



Striped Bass Hybrid (*Morone saxatilis* x *Morone chrysops*)

**Scales-** Striped bass and white bass have 7 to 9 scale rows above the lateral line. Hybrid striped bass has 10 to 12 scale rows above the lateral line.

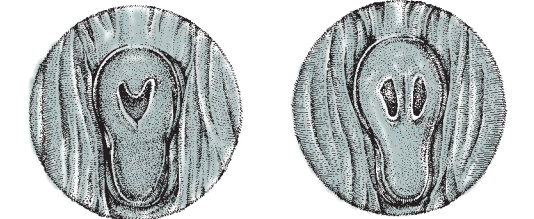
#### Anal fins

White bass has 12 to 13 rays. Striped bass has 9 to 11 rays. Hybrid striped bass has 11 to 12 rays.

**Stripes-** White bass lacks vivid dark stripes. Only one vivid stripe gill to tail. Striped bass has 7 to 8 black stripes, usually unbroken. Hybrid striped bass has 7 to 8 stripes, usually less distinct and often broken.

### Temperate Basses species identification

Tooth patches on tongue



White bass has one tooth patch.

Striped bass and striped bass hybrid have two tooth patches.

### Lampreys (Family Petromyzontidae)



Ohio Lamprey (*Ichthyomyzon bdellium*)



Northern Brook Lamprey (*Ichthyomyzon fossor*)



Mountain Brook Lamprey (*Ichthyomyzon greeleyi*)

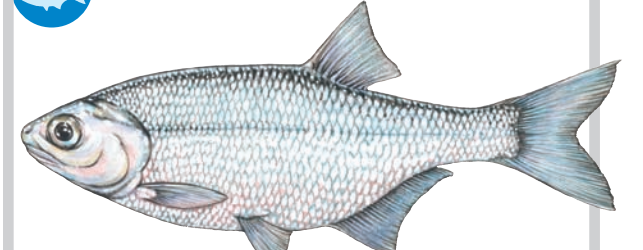


American Brook Lamprey (*Lampetra appendix*)



Sea Lamprey (*Petromyzon marinus*)

### Mooneye (Family Hiodontidae)



Mooneye (*Hiodon tergisus*)



### Pikes (Family Esocidae)



Redfin Pickerel (*Esox americanus americanus*)



Grass Pickerel (*Esox americanus vermiculatus*)



Northern Pike (*Esox lucius*)



Tiger Muskellunge (*Esox lucius* x *Esox masquinongy*)



Muskellunge (*Esox masquinongy*)



Chain Pickerel (*Esox niger*)

### Pike species identification

#### Color patterns

Northern pike has yellow bean-shaped spots on yellow-green to gray-green body. Muskellunge has light vertical bars or spots. Tiger muskellunge has dark gray-green bars.

#### Scales

Muskellunge has no scales on lower half of cheek and gill cover.

Northern pike has fully scaled cheek with half of the gill cover scaled.

Tiger muskellunge has scales covering two-thirds of the cheek and gill cover area, intermediate between the muskellunge and northern pike.

#### Jaw pores

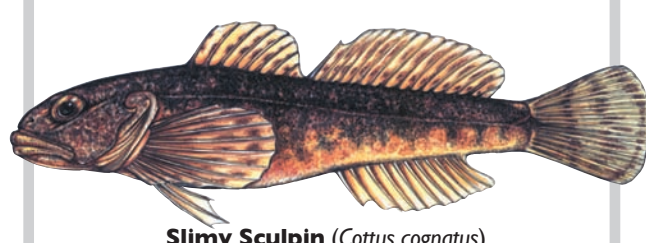
Muskellunge has 6 to 9 pores.

Northern pike has 4 to 5 pores.

### Sculpins (Family Cottidae)



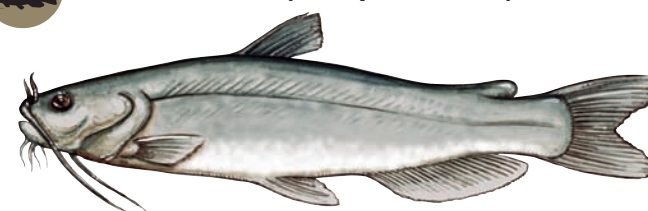
Mottled Sculpin (*Cottus bairdi*)



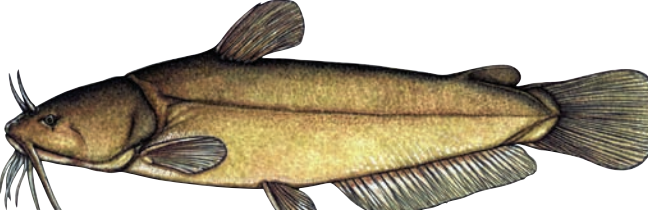
Slimy Sculpin (*Cottus cognatus*)



### Catfishes (Family Ictaluridae)



White Catfish (*Ameiurus catus*)



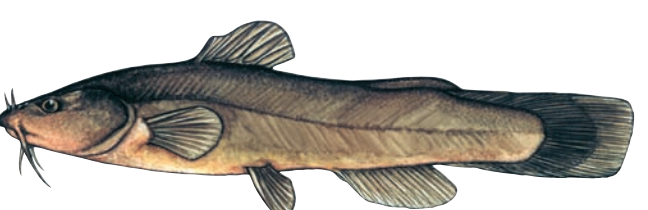
Yellow Bullhead (*Ameiurus natalis*)



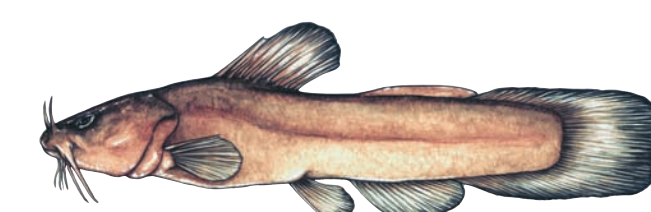
Brown Bullhead (*Ameiurus nebulosus*)



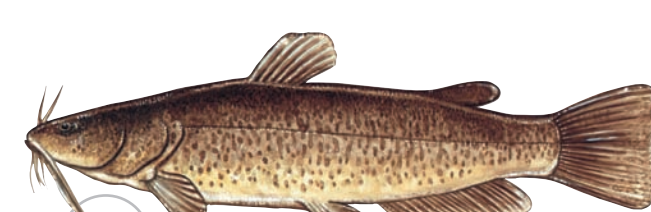
Channel Catfish (*Ictalurus punctatus*)



Stonecat (*Noturus flavus*)



Margined Madtom (*Noturus insignis*)



Flathead Catfish (*Pylodictis olivaris*)

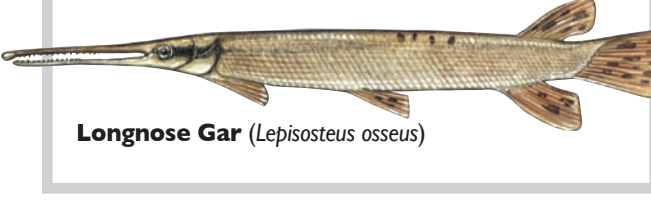


Drum (Family Sciaenidae)

Freshwater Drum (*Aplodinotus grunniens*)



Spotted Gar (*Lepisosteus oculatus*)



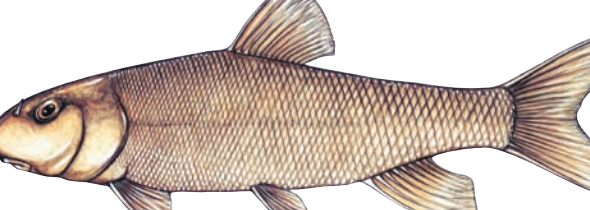
Longnose Gar (*Lepisosteus osseus*)



### Suckers (Family Catostomidae)



Quillback (*Carpoides cyprinus*)



White Sucker (*Catostomus commersoni*)



Northern Hog Sucker (*Hypentelium nigricans*)



River Redhorse (*Moxostoma carinatum*)



Shorthead Redhorse (*Moxostoma macrolepidotum*)



### Herrings (Family Clupeidae)



Blueback Herring (*Alosa aestivalis*)



Hickory Shad (*Alosa mediocris*)



Alewife (*Alosa pseudoharengus*)



American Shad (*Alosa sapidissima*)



Gizzard Shad (*Dorosoma cepedianum*)