

Characteristics of fish collected in the UMIS study unit 1996-2005 (from Simon and Goldstein)

Family	Common Name	Scientific Name	First Trophic Level	2nd Trophic Level	Trophic Mode	Feeding Behavior
Acipenseridae	shovelnose sturgeon	Scaphirhynchus platyrhynchus	invertivore	benthic	hunter	rake bottom with sensitive barbels
Amiidae	bowfin	Amia Calva	carnivore	whole bodies	ambush	"clumsy predatory opportunist, generalist, nocturnal" voracious predator
Anguillidae	American eel	Anquilla rostrata	invertivore/ carnivore			surface feeder
Atherinidae	brook silverside	Labidesthes sicculus	planktivore/ invertivore	particulate feeder/ drift	surface feeder	surface feeder
Catostomidae	bigmouth buffalo	Ictiobus cyprinellus	invertivore			
Catostomidae	blue sucker	Cycleptus elongatus	invertivore/ herbivore			
Catostomidae	golden Redhorse	Moxostoma erythrurum	invertivore			
Catostomidae	greater redhorse	Moxostoma valenciennesi	invertivore	benthic	crusher	
Catostomidae	highfin carpsucker	Carpionodes velifer	detritivore	filter feeder	suction feeder	
Catostomidae	northern Hogsucker	Hypentelium nigricans	invertivore/ herbivore			
Catostomidae	quillback	Carpionodes cyprinus	invertivore/ detritivore	benthic/ filter	grazer/ suction feeder	
Catostomidae	river carpsucker	Carpionodes carpio	planktivore/ detritivore	filter feeder	suction feeder	
Catostomidae	river redhorse	Moxostoma carinatum	invertivore	benthic	crusher	
Catostomidae	shorthead redhorse	Moxostoma macrolepidotum	invertivore			
Catostomidae	silver redhorse	Moxostoma anisurum	invertivore			
Catostomidae	smallmouth buffalo	Ictiobus bubalus	invertivore/ herbivore			opportunistic
Catostomidae	white sucker	Catostomus commersoni	invertivore/ detritivore	benthic/ filter	grazer/ suction feeder	
Centarchidae	bluegill	Lepomis macrochirus	invertivore	drift	water column/ surface	
Centarchidae	green sunfish	Lepomis cyanellus	invertivore/ carnivore	drift/ whole body	water column/ ambush	
Centarchidae	largemouth bass	Micropterus salmoides	invertivore/ carnivore	whole body		sight feeder
Centarchidae	orangespotted sunfish	Lepomis humilis	invertivore	drift	water column/ surface	benthic and surface feeder
Centarchidae	pumpkinseed	Lepomis gibbosus	invertivore/ carnivore	drift/ whole body	water column/ chasing	
Centarchidae	rock bass	Amploplites rupestris	invertivore/ carnivore			
Centarchidae	smallmouth bass	Micropterus dolomieu	invertivore/ carnivore	benthic/ whole body	hunter/ambush	
Centarchidae	white crappie	Pomoxis annularis	invertivore/ carnivore	whole bodies		
Centrarchidae	black crappie	Pomoxis nigromaculatus	invertivore/ carnivore			
Clupeidae	gizzard shad	Dorosoma cepedianum	herbivore	filter		herbivore feeder
Cottidae	mottled sculpin	Cottus bairdi	invertivore	benthic	digger	rolls over stones
Cottidae	slimy sculpin	Cottus cognatus	invertivore	benthic	digger	rolls over stones
Cyprinidae	bigmouth shiner	Notropis dorsalis	invertivore	benthic		
Cyprinidae	blackchin shiner	Notropis heterodon	invertivore			
Cyprinidae	blacknose dace	Rhinichthys stratulus	invertivore			
Cyprinidae	blacknose	Notropis	invertivore/ detritivore			

Cyprinidae	shiner bluntnose minnow	heterolepis Pimephales notatus	herbivore detritivore	particulate	scooper	bottom feeder of organic detritus
Cyprinidae	brassy minnow	Hybognathus hankinsoni	planktivore/ detritivore	particulate	scooper	
Cyprinidae	bullhead minnow	Pimephales vigilax	herbivore/ invertivore			omnivorous
Cyprinidae	central stoneroller	Campostoma anomalius	herbivore	particulate	grazer	grazing minnow
Cyprinidae	common carp *	Cyprinus carpio	invertivore/ detritivore	benthic/ filter	grazer/ suction feeder	
Cyprinidae	common shiner	Luxilus conutus	invertivore	benthic/ drift	water column/ surface	versatile
Cyprinidae	creek chub	Semotilus atromaculatus	invertivore/ carnivore			
Cyprinidae	emerald shiner	Notropis atherinoides	planktivore	particulate	size selective picker	move with plankton
Cyprinidae	fathead minnow	Pimephales promelas	detritivore/ invertivore	particulate	scooper	"high veg. Diet, opportunistic"
Cyprinidae	golden shiner	Notemigonus crysoleucas	invertivore/ herbivore	particulate	surface/ water column	midwater and surface feeder
Cyprinidae	hornyhead chub	Nocomis biguttatus	invertivore/ herbivore			
Cyprinidae	largescale stoneroller	Campostoma oligolepis	herbivore	particulate	grazer	grazing minnow
Cyprinidae	longnose dace	Rhinichthys cataractae	invertivore			bottom feeder
Cyprinidae	mimic shiner	Notropis volucellus	invertivore/ herbivore			
Cyprinidae	northern redbelly dace	Phoxinus eos	invertivore/ planktivore			omnivore
Cyprinidae	roseyface shiner	Notropis rubellus	invertivore/ detritivore/ herbivore			
Cyprinidae	sand shiner	Notropis stramineus	invertivore/ detritivore			
Cyprinidae	silver chub	Macrhybopsis storeriana	planktivore/ invertivore			
Cyprinidae	speckled chub	Macrhybopsis aestivalis	invertivore	benthic	hunter	
Cyprinidae	spotfin shiner	Cyprinus spilotera	invertivore/ detritivore	particulate	biter	
Cyprinidae	spottail shiner	Notropis Hudonuis	invertivore/ planktivore			
Cyprinidae	river shiner	Notropis blennius	Invertivore	benthic and drift		
Cyprinodontidae	banded killifish	Fundulus diaphanus	invertivore/ planktivore			
Esocidae	muskellunge	Esox masquinongy	carnivore	whole bodies	ambush	
Esocidae	northern pike	Esox lucius	carnivore	whole body	ambush	
Gadidae	burbot	Lota lota	invertivore/ carnivore	whole bodies	stalking	voracious nocturnal predator
Gasterosteidae	brook stickleback	Culaea inconstans	planktivore/ insectivore	particulate		
Hiodontidae	goldeye	Hiodon alosoides	invertivore	drift	surface/ water column	often feed at the surface
Hiodontidae	mooneye	Hiodon tergisus	invertivore	drift	surface/ water column	often feed at the surface
Ictaluridae	black bullhead	Ictalurus melas	invertivore/ carnivore	benthic/ whole body		
Ictaluridae	brown bullhead	Ameiurus nebulosus	invertivore/ herbivore/ carnivore	benthic/ particulate/ whole body		
Ictaluridae	channel catfish	Ictalurus punctatus	invertivore/ carnivore	benthic/ whole body		
Ictaluridae	flathead catfish	Pylodictis olivaris	invertivore/ carnivore	benthic and drift/ whole	lie in wait / ambush	

Ictaluridae	stonecat	Noturus flavus	invertivore/ carnivore	bodies benthic/ whole body	lie in wait/ ambush	
Ictaluridae	tadpole madtom	Noturus gyrinus	invertivore/ planktivore	benthic/ particulate		
Ictaluridae	yellow bullhead	Ameiurus natalis	invertivore/ carnivore	benthic/ whole body		
Lepisosteidae	shortnose gar	Lepisosteus platostomus	carnivore	whole bodies	ambush	
Percichthyidae	white bass	Morone chrysops	invertivore/ carnivore			
Percidae	banded darter	Etheostoma zonale	invertivore	benthic		
Percidae	blackside darter	Percina Maulata	invertivore	benthic		
Percidae	fantail darter	Etheostoma flabellare	invertivore	benthic		
Percidae	gilt darter	Percina evides	invertivore	benthic		
Percidae	Iowa darter	Etheostoma exile	invertivore	benthic		
Percidae	johnny darter	Etheostoma nigrum	invertivore	benthic		
Percidae	logperch	Percina caprodes	invertivore	benthic	digger	
Percidae	river darter	Percina shumardi	invertivore	benthic		
Percidae	sauger	Stizostedion canadense	invertivore/ carnivore	whole bodies	protective resemblance	sight predators and negatively phototrophic
Percidae	slenderhead darter	Percina phoxocephalia	invertivore	benthic		
Percidae	walleye	Stizostedion vitreum vitreum	invertivore/ carnivore	whole body	protective resemblance	sight feeder
Percidae	western sand darter	Ammonocrypta clara	invertivore	benthic		
Percidae	yellow perch	Perca flavescens	invertivore/ carnivore			
Percopsidae	trout-perch	Percopsis omiscomaycus	invertivore/ carnivore	benthic		bottom feeder
Petromyzontidae	ammoceote (chestnut)	Ichthyomyzon sp.	herbivore	filter		filter feeder
Petromyzontidae	chestnut lamprey	Ichthyomyzon castaneus	carnivore	parasite	blood sucker	parasitic
Petromyzontidae	silver lamprey	Ichthyomyzon unicuspis	carnivore	parasite	blood sucker	"parasitic, attacking especially at night"
Salmonidae	brook trout *	Salvelinus fontinalis	invertivore/ carnivore			
Salmonidae	brown trout *	Salmo trutta	invertivore/ carnivore			
Sciaenidae	freshwater drum	Aplodinotus grunniens	invertivore/ carnivore	whole body		rolls over stones
Umbridae	central mudminnow * indicates exotic species	Umbra limi	invertivore	benthic/ drift		