

APPENDIX 5. List of Fish Species Native to the Lower St. Louis River and Their Requirements

Common Name	Latin Name	Family	Family (Latin)	Adult Food Items	Young Food Items	Spawning Habitat	General Habitat	Other Comments
Lake Sturgeon	<i>Acipenser fulvescens</i>	sturgeons	Acipenseridae	snails, clams, crayfish, immature insects, other aquatic animals		tributary streams; no nests		
Bowfin	<i>Amia calva</i>	bowfin	Amiidae	fish, other small aquatic animals		bite off vegetation and fan away sediments in small streams or weedy bays	slow-moving water or backwaters; streams or lakes	
American Eel	<i>Anguilla rostrata</i>	freshwater eels	Anguillidae	small fish, insect nymphs, crayfish, snails, worms		spawn in ocean (catadromous)	hide under cover, or bury in mud at night, and in winter	
Highfin Carpsucker	<i>Carpiodes velifer</i>	suckers	Catostomidae	algae, ooze, and insects from bottom		likely in gravelly riffles of rivers	rivers, oxbows, sloughs, and ponds over sand or gravel bottom; generally in rivers where current is moderate to swift or in quiet water adjacent to river channels	northern limit of range; declining due to habitat loss (Phillips et al 1982); extirpated from some states, and S1, S2 in several; G4G5
Longnose Sucker	<i>Catostomus catostomus</i>	suckers	Catostomidae	mostly bottom invertebrates		flowing shallow stream water over gravel; otherwise in lakes	cold clear water in large lakes, but usually shallower water; sometimes congregates at mouths of North Shore streams	
White Sucker	<i>Catostomus commersoni</i>	suckers	Catostomidae	bottom feeder; small animals (e.g., chironomid larvae, zooplankton, small crayfishes), plants and "ooze"	protozoans, diatoms, small crustaceans, and bloodworms near surface of water	shallow swift water or rapids in lakes or streams over rocky or gravelly bottom, or on lake shoals, beaches, or rivermouths (areas with wave action in lentic habitats)	Usually in small, clear, cool creeks and small to medium rivers	adaptable to variety of environmental conditions; Phillips et al (1982) state that it is NOT found in Lake Superior drainage; often dominates a body of water
Silver Redhorse	<i>Moxostoma anisurum</i>	suckers	Catostomidae	immature insects, mollusks, algae, detritus, and other small organisms		main channel of turbid rivers in 1-3 ft. of water over gravel to rubble bottoms	Typically in silty to firm-bottomed pools and runs of small to large rivers; also in natural lakes and impoundments	
Shorthead Redhorse	<i>Moxostoma macrolepidotum</i>	suckers	Catostomidae	mainly mollusks, microcrustaceans, and immature insects, though considerable plant materials sometimes may be consumed		usually over gravel in runs and riffles; may move out of larger bodies of water into smaller rivers and streams to spawn	rocky pools, runs, and riffles of small to large rivers, natural lakes, and impoundments	most adaptable of the redhorses in Minnesota
Redhorse species (unidentified)	<i>Moxostoma spp.</i>	suckers	Catostomidae					
Rock Bass	<i>Ambloplites rupestris</i>	sunfishes	Centrarchidae	insects, snails, small fish		depression in gravel	shallow, weedy places in lakes; soft-bottomed lakes and streams	
Green Sunfish X Warmouth	<i>Lepomis cyanellus x gulosus</i>	sunfishes	Centrarchidae	aquatic insects, other small aquatic animals		depression nests	lakes and streams	Warmouth supposedly only in SE MN
Pumpkinseed	<i>Lepomis gibbosus</i>	sunfishes	Centrarchidae	insects, snails, small fish, other small organisms in weed beds		depression nests in shallow, quiet water	lakes and streams	Introduced to Lake Superior drainage?
Bluegill	<i>Lepomis macrochirus</i>	sunfishes	Centrarchidae	insects, other small animals, plants	insects, snails, small fishes, plants	depression nest	rivers and streams; lakes except in NE	
Smallmouth Bass	<i>Micropterus dolomieu</i>	sunfishes	Centrarchidae	crayfish, small fish, emerging insects		nests		
Largemouth Bass	<i>Micropterus salmoides</i>	sunfishes	Centrarchidae	small fish, crayfish, frogs, insects	small aquatic animals	shallow, quiet water 60* F; depression nest, or in vegetation or among roots	small to medium lakes w clear water, sandy shores, weed beds; also backwaters of rivers	
Black Crappie	<i>Poxomis nigromaculatus</i>	sunfishes	Centrarchidae	small aquatic animals incl fishes		depression nest	streams, small to medium lakes	

List of native fish species compiled from WDNR and MDNR data
 Food and habitat requirements compiled from NatureServe species database (NatureServe Explorer 2001) and Fishes of the Minnesota Region (Phillips et al.1982)