

# Minnesota State Parks Fish Species Lists

**Schmidt, K.P. 1993. Final report submitted to the Natural Heritage and Nongame Research Program, Minnesota Department of Natural Resources. 200 pp.**

## Introduction

Since 1987, fish surveys have been conducted at 65 state parks (See [Map](#)) to establish baseline data on species occurrence and relative abundance. Interim progress reports have been provided to the Minnesota Department of Natural Resources - Division of Parks and Recreation (Schmidt 1990a, 1990b, 1991, 1993a and 1993b). The purpose of this report is to compile a final species list for each state park. Potential uses include interpretation, monitoring short and long term trends in fish communities to factors which impact or improve habitat and water quality, and a reference list for reintroductions following a reclamation project or chemical spill.

## Methods and Materials

The Minnesota Department of Natural Resources (MDNR), University of Minnesota, and state park surveys were the primary sources used to compile the species lists. The MDNR sources included the Sections of Fisheries (lake and stream surveys), Wildlife (Nongame Program grant surveys), and Ecological Services (River Surveys and Instream Flow Programs). The University of Minnesota source was the fish collection at the James Ford Bell Museum of Natural History. Wisconsin Department of Natural Resources (WDNR) and U.S. Fish and Wildlife Service (USFWS) sources were also used for state parks on the St. Croix and lower Mississippi Rivers. Sources are not restricted to surveys conducted within state park boundaries and often include lakes and streams in the general vicinity. Voucher specimens are rarely collected during MDNR surveys and only special concern species were saved from the state park surveys through 1991. However, one specimen of each species was deposited in the Bell Museum's fish collection from the state parks surveyed in 1992 and 1993. State parks were grouped by MDNR Regions and species listed alphabetically on the scientific name by family (Appendix II). Common and scientific names follow Robins et al (1991). Survey sources indicate the investigating agency or individual, location, and year surveys were conducted. Species reported in a survey where occurrence is unlikely and no voucher specimens were available for verification were deleted from the list. Abbreviations were used to indicate Special Concern (S), Limited (L), and Exotic (E) species. There are no Endangered or Threatened Fishes in Minnesota (Coffin and Pfannmuller 1988), but 16 are listed Special Concern. Limited is an arbitrary and unofficial status, but indicates a species which is restricted in distribution or rarely abundant anywhere in Minnesota. Exotics are species which were not present in Minnesota before European settlement and were introduced either intentionally for sport or accidentally through human related activities.

## Results

The historical distribution of native fishes in Minnesota is difficult to determine because early survey information is either non-existent or incomplete. Since European settlement range extensions have occurred through stocking programs and bait pail releases. Conversely, the

distribution of many species have been greatly reduced through logging, agriculture, pollution, and waterway development projects.

Underhill (1989) established a checklist of fishes for Minnesota's eight major drainage basins (Figure 2) and related the distribution of many species to late Pleistocene glaciation. The checklist has been summarized and includes the number of state parks located in each basin (Table 1). The lower Mississippi River drainage basin has the greatest diversity at 117 fishes which include 13 special concern and 19 limited species. The Missouri River basin is the least diverse at 39 fishes which include 2 special concern and 1 limited species.

Table 1. Minnesota drainage basins and ichthyofaunal summary. Basin and exotic species totals based on Underhill (1989).

<b>Drainage Basin</b>	<b>Species</b>	<b>Special Concern</b>	<b>Limited</b>	<b>Exotic</b>	<b>State Parks</b>
1. Lower Mississippi River	117	13	19	5	14
2. Upper Mississippi River	69	0	6	4	11
3. Missouri River	39	2	1	1	2
4. Minnesota River	88	3	7	4	12
5. St. Croix River	92	5	7	4	7
6. Lake Superior	79	1	12	11	10
7. Red River	80	1	4	5	6
8. Rainy River and Lake of the Woods	68	1	4	4	6
Overall	153	16	36	13	65

The state park lists have been summarized in a similar format and include the drainage basin where each park is located (Table 2). Minnesota Valley Trail and William O'Brien were the most diverse parks at 80 and 79 species respectively. Monson Lake was the least diverse at 12 species. Frontenac and Afton had the greatest number of special concern species at 7. However, the Blue Catfish sampled from Lake Pepin is suspected to be from a St. Croix River stocking program (Larry Gates-MDNR/Fisheries pers. comm.). John A. Latsch and William O'Brien had the greatest number of Limited species at 8 and 7 respectively. Jay Cooke had the greatest number of exotics at 7.

Table 2. Minnesota state parks fish species list summary. Drainage basin codes correspond to numbers provided in Table 1.

<b>State Park</b>	<b>Family Total</b>	<b>Species Total</b>	<b>Special Concern</b>	<b>Limited</b>	<b>Exotic</b>	<b>Basin Code</b>
<b>Region 1 - Northwest</b>						
Buffalo River	12	48	0	0	1	7
Franz Jevne	15	57	1	2	0	8
Glacial Lakes	9	23	0	1	0	4
Glendalough	10	28	0	0	0	7

Hayes Lake	12	40	0	1	1	7
Itasca	11	39	0	1	0	2
Lake Bemidji	12	39	0	0	0	2
Lake Bronson	9	44	0	1	1	7
Lake Carlos	13	47	0	1	1	2
Maplewood	13	36	1	1	2	7
Old Mill	9	24	0	0	1	7
Zippel Bay	15	38	1	1	1	8

#### **Region 2 - Northeast**

Bear Head	8	23	0	0	0	8
Cascade River	8	23	0	2	3	6
Grand Portage	13	35	0	3	3	6
George Crosby Manitou	9	21	0	0	1	6
Gooseberry Falls	11	22	0	1	5	6
Jay Cooke	17	58	1	2	7	6
Judge C. R. Magney	10	27	0	2	3	6
McCarthy Beach	9	32	0	0	0	8
Moose Lake	9	23	1	0	0	5
Savanna Portage	13	37	0	0	0	2,6
Scenic	8	25	0	1	0	8
Split Rock Lighthouse	9	20	0	0	1	6
Temperance River	9	25	0	1	3	6
Tettegouche	10	31	0	2	2	6
Tower Soudan	12	37	0	1	0	8

#### **Region 3 - Central**

Banning	14	59	1	3	1	5
Charles A. Lindbergh	15	53	0	1	1	2
Crow Wing	15	60	0	1	2	2
Father Hennepin	14	41	0	0	1	2
Interstate	18	72	4	8	1	5
Lake Maria	8	28	0	0	1	2
Mille Lacs Kathio	14	50	0	0	1	2
St. Croix	16	71	2	4	3	5
Schoolcraft	11	33	0	0	0	2
Wild River	15	64	2	4	1	5

#### **Region 4 - Southwest**

Big Stone Lake	11	40	1	2	1	4
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Blue Mounds	9	42	2	1	1	3
Camden	11	45	0	0	2	4
Flandrau	12	62	0	3	3	4
Fort Ridgely	4	16	0	0	0	4
Kilen Woods	6	31	0	0	1	1
Lac Qui Parle	14	64	1	3	1	4
Lake Shetek	6	30	0	0	1	1
Minneopa	15	64	1	3	1	4
Monson Lake	6	12	0	0	0	4
Sibley	11	31	0	0	1	2,4
Split Rock Creek	6	29	1	1	1	3
Upper Sioux Agency	15	65	1	4	1	4

#### **Region 5 - Southeast**

Beaver Creek Valley	7	16	1	0	2	1
Carley	8	17	0	0	3	1
Forestville-Mystery Cave	10	37	1	1	3	1
Frontenac	18	73	7	4	1	1
John A. Latsch	20	74	3	8	1	1
Lake Louise	7	47	3	2	1	1
Myre-Big Island	8	35	0	0	2	1
Nerstrand Woods	9	45	0	0	1	1
Rice Lake	9	48	2	3	1	1
Sakatah Lake	10	28	0	0	1	1
Whitewater	12	33	1	0	3	1

#### **Region 6 - Metro**

Afton	20	73	7	6	1	5
Fort Snelling	18	76	1	4	1	1,4
Minnesota Valley	19	80	4	4	3	4
William O'Brien	21	79	4	7	2	5

Fish community analysis based on the Index of Biotic Integrity (IBI) has been used to develop biological criteria in assessing the environmental quality in streams and rivers (Karr 1981). The IBI methodology divides the entire community into species richness, taxa, feeding, spawning, and tolerance metrics which are summed for a numerical score that rate a station from very poor to excellent. This requires metric lists be established for the fish fauna present in a state or study area. Statewide metric lists for Minnesota fishes are still being developed (Bailey et al 1993). However, these preliminary results have been augmented with metric lists developed by the Wisconsin Department of Natural Resources (Lyons 1992) to provide an overview of ecological classifications for most species present in Minnesota (Appendix I). Feeding levels include top

carnivores, insectivores, omnivores, herbivores, filter feeders, generalist feeders, and parasites. Tolerance is a species sensitivity to changes in water quality and habitat. Spawning behavior is restricted to simple lithophils which provide no parental care of fry and require clean, silt free gravel for proper egg development. Status indicates exotics, special concern and limited species in Minnesota, and state listed species in Wisconsin, Iowa, South Dakota, and North Dakota (Schmidt 1990c).

## **Recommendations**

Continue fish surveys in new state parks and additions which have aquatic resources (e.g., Tettegouche - Palisade Valley). Establish a rotational survey schedule for state park lakes and streams to monitor changes in fish communities and assess habitat and water quality. Provide checklists to investigators conducting surveys and encourage them to collect and preserve specimens of listed, limited, exotic, and new occurrence species for the Bell Museum fish collection. Request data updates periodically from the MDNR Natural Heritage Program which began compiling fish element occurrence records (EOR) in 1993 on computer and 7.5 minute series (topographical) maps. Refrain from reclamation projects which treat an entire watershed because attempts to restore all the non-target species of the historical fish community is rarely achieved. However, if all alternatives have been eliminated, propose a reintroduction program which is modeled after the Knife Lake (Kanabec County) reclamation project (Schmidt 1990d and 1993c). Finally, develop interpretive programs using Aquatic Project Wild curriculum and design nature center exhibits which could encompass aquatic ecology themes or maintaining an aquarium of fishes found at the park (Schmidt and Schmidt 1987 and Schmidt 1989).

## **Literature Cited**

- Bailey, P.A., J.W. Enblom, S.R. Hanson, P.A. Renard, and K. Schmidt. 1993. A fish community analysis of the Minnesota River Basin. Minnesota Department of Natural Resources. 210 pp.
- Coffin, B., and L. Pfannmuller. 1988. Minnesota's Endangered Flora and Fauna. University of Minnesota Press. 476 pp.
- Karr, J.R. 1981. Assessment of biotic integrity using fish communities. *Fisheries*. 6(6):21-27.
- Lyons, J. 1992. Using the Index of Biotic Integrity (IBI) to measure environmental quality of warmwater streams of Wisconsin. Gen. Tech. Rep. NC-149. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Experiment Station. 51 pp.
- Robins, C.R., R.M. Bailey, C.E. Bond, J.R. Brooker, E.A. Lachner, R.N. Lea, and W.B. Scott. 1991. Common and Scientific Names of Fishes from the United States and Canada. 5th edition. American Fisheries Society, Bethesda, MD. Special Publication No. 20. 183 pp.
- Schmidt, K. P., and M. S. Schmidt. 1987. Try Stocking Your Aquarium with Natives. Wisconsin Natural Resources: May/June. pp. 24-26.
- Schmidt, K. P. 1989. Nongame Fish Exhibit Plans. Minnesota Zoological Gardens. 11 pp.

Schmidt, K. P. 1990a. Minnesota State Parks Fish Survey Results. Minnesota Department of Natural Resources - Division of Parks and Recreation. 11 pp.

Schmidt, K. P. 1990b. Minnesota State Parks Historical Fishes Lists. Minnesota Department of Natural Resources - Division of Parks and Recreation. 93 pp.

Schmidt, K. P. 1990c. Endangered, Threatened, and Special Status Fishes of North America. Third Edition. American Currents: March-May. 52 pp.

Schmidt, K. P. 1990d. Fishes of the Knife Lake Watershed in Kanabec and Mille Lacs Counties of Minnesota. Minnesota Department of Natural Resources. 13 pp.

Schmidt, K. P. 1991. Grand Portage State Park Fish Survey Results. Minnesota Department of Natural Resources - Division of Parks and Recreation. 8 pp.

Schmidt, K. P. 1993a. Minnesota State Parks 1992 Fish Survey Results. Minnesota Department of Natural Resources - Division of Parks and Recreation. 13 pp.

Schmidt, K. P. 1993b. Mystery Cave Fish Survey Results. Minnesota Department of Natural Resources - Division of Parks and Recreation. 7 pp.

Schmidt, K. P. 1993c. Putting Back the Pieces. American Currents: Spring. North American Native Fishes Association. pp. 22-26.

Underhill, J.C. 1989. The Distribution of Minnesota Fishes and Late Pleistocene Glaciation. Journal of the Minnesota Academy of Science 55:32-37.

### **Additional Reference and Information**

Bailey, R. M. and M. O. Allum. 1962. Fishes of South Dakota. Miscellaneous Publications of the Museum of Zoology, University of Michigan No. 119. 131 pp.

Becker, G. C. 1983. Fishes of Wisconsin. University of Wisconsin Press. 1052 pp.

Buffler, R., and T. Dickson. 1990. Fishing for Buffalo. North American Roughfish Institute. 208 pp.

Cochran, P. A. 1987. The Southern Brook Lamprey (*Ichthyomyzon gagei*) in the St. Croix River Drainage of Wisconsin and Minnesota. Copeia 1987:443-446.

Cochran, P. A. and T. C. Pettinelli. 1988. Northern and Southern Brook Lampreys (*Ichthyomyzon fossor* and *I. gagei*) in Minnesota. J. Minn. Acad. Sci. (54):23-27.

Eddy, S., J. B. Moyle, and J. C. Underhill. 1963. The Fish Fauna of the Mississippi River above St. Anthony Falls as Related to the Effectiveness of this Falls as a Migration Barrier. Proceedings of the Minnesota Academy of Science 30:111-115.

Eddy, S., R. C. Tasker, and J. C. Underhill. 1972. Fishes of the Red River, Rainy River, and Lake of the Woods, Minnesota, with Comments of the Distribution of Species in the Nelson River Drainage. Occasional Papers of the Bell Museum of Natural History No. 11. 24 pp.

Eddy, S. and J. C. Underhill. 1974. Northern Fishes with a Special Reference to the Upper Mississippi River Valley. Third edition. University of Minnesota Press. 414 pp.

Enblom, J. W. 1977. A Biological Reconnaissance of the Upper Mississippi River - St. Cloud to Fridley. Minnesota Department of Natural Resources Special Publication No. 121.

80 pp.

Enblom, J. W. 1982. Fish and Wildlife Resources of the Roseau River. Minnesota Department of Natural Resources Special Publication No. 130. 98 pp.

Engel, M. P. 1990. Population Parameters of Lake Sturgeon in the St. Croix River with Special Reference to Movements. Wisconsin Department of Natural Resources. 61 pp.

Fago, D. 1986. Distribution and Relative Abundance of Fishes in Wisconsin - St. Croix River Basin. Wisconsin Department of Natural Resources Technical Bulletin No. 159. 112 pp.

Harlan, J. R. and E. B. Speaker. 1987. Iowa Fish and Fishing. Iowa Department of Natural Resources. 323 pp.

Hatch, J. T. 1985/86. Distribution, Habitat, and Status of the Gilt Darter (*Percina eides*) in Minnesota. J. Minn. Acad. Sci. 51:11-16.

Hatch, J. T. 1986? Life History of the Iowa Darter in Lake Itasca and the Mississippi River Headwaters. Minnesota Department of Natural Resources - Nongame Wildlife Program.

27 pp.

Huber, E. 1970. A Biological Reconnaissance of Proposed Dam and Reservoir Area on the Minnesota River near New Ulm. Minnesota Department of Natural Resources Special Publication No. 84. 39 pp.

Huber, E. and J. Choate. 1974. A Fish and Wildlife Survey of the Root River Near Lanesboro. Minnesota Department of Natural Resources Special Publication No. 109. 20 pp.

Johnson, M. W. 1967. A Fisheries and Recreational Survey of the Crow Wing River. Minnesota Department of Natural Resources Special Publication No. 40. 43 pp.

Johnson, M. W. 1968. A Biological Survey of the Crow Wing River Main Stem Watershed, Cass, Wadena, Hubbard, and Morrison Counties. Minnesota Department of Natural Resources Special Publication No. 56. 46 pp.

Johnson, M. W. 1968. A Fisheries Survey of the Mississippi River, Grand Rapids to Brainerd, Minnesota. Minnesota Department of Natural Resources Special Publication No. 61. 45 pp.

Kirsch, N. A., S. A. Hanson, P. A. Renard, and J. W. Enblom. 1985. Biological Survey of the Minnesota River. Minnesota Department of Natural Resources Special Publication No. 139. 85 pp.

Kucera, T. A. 1978. A Biological Reconnaissance of the Rum River. Minnesota Department of Natural Resources Special Publication No. 124. 121 pp.

Kucera, T.A., and A. R. Peterson. 1980. Fish and Wildlife Resources of the Mississippi River from Lake Itasca to Lake Winnibigosh. Minnesota Department of Natural Resources Special Publication No. 129. 83 pp.

MacKay, H.H. 1963. Fishes of Ontario. Ontario Department of Lands and Forest. 360 pp.

Mosindy, T., and J. Rusak. 1991. An Assessment of Lake Sturgeon Populations in Lake of the Woods and Rainy River 1987 - 90. Ontario Ministry of Natural Resources. 67 pp.

Peterson, A. R. 1962. A Biological Reconnaissance of the Upper Mississippi River between Winnibigosh and Pokegama Reservoirs. Minnesota Department of Conservation Resources and Planning Inventory Report No. 255. 31 pp.

Peterson, A. R. 1964. Distribution and Relative Abundance of Fishes in the St. Croix River Impoundment at Taylors Falls from 1959 to 1963. Minnesota Department of Natural Resources Special Publication No. 80. 17 pp.

Peterson, A. R. 1966. Biological Surveys of the Whitewater River Watershed in Southeastern Minnesota from 1950 to 1957. Minnesota Department of Conservation. 109 pp.

Peterson, A. R. 1979. Fish and Wildlife Resources of the St. Louis River. Minnesota Department of Natural Resources Special Publication No. 127. 151 pp.

Phillips, G. L. and J. C. Underhill. 1971. Distribution and Variation of Catostomidae of Minnesota. Occasional Papers of the Bell Museum of Natural History No. 10. 45pp.

Phillips, G. L., W. D. Schmid, and J. C. Underhill. 1982. Fishes of the Minnesota Region. University of Minnesota Press. 249 pp.

Reedstrom, Donald C. 1967. A Biological Survey of the Buffalo River Watershed, Becker, Clay, and Otter Tail Counties. Minnesota Department of Natural Resources Special Publication No. 44. 79 pp.

Renard, P. A., S. A. Hanson, and J. W. Enblom. In preparation. Biological Survey of the Kettle River. Minnesota Department of Natural Resources.



Renard, P. A., S. A. Hanson, and J. W. Enblom. In preparation. Biological Survey of the Rainy River. Minnesota Department of Natural Resources.

Renard, P. A., S. A. Hanson, and J. W. Enblom. In preparation. Biological Survey of the St. Croix River. Minnesota Department of Natural Resources.

Schmidt, K. P. 1991. Fishes of Minnesota Valley National Wildlife Refuge. U.S. Fish and Wildlife Service. 14 pp.

Schneider, J. A. 1966. An Electrofishing Survey of the Mississippi, Brainerd to Elk River. Minnesota Department of Natural Resources Special Publication No. 36. 13 pp.

Schneider, J. A. 1966. A Biological Reconnaissance of the Minnesota River from Lac qui Parle dam to Mankato. Minnesota Department of Natural Resources Special Publication No. 37. 47 pp.

Schuldt, J., Lapp M., and R. A. Bellig. Distribution and Habitat Selection of the Shovelnose Sturgeon (*Scaphirhynchus platyrhynchus*) in the Minnesota River. Minnesota Department of Natural Resources - Nongame Wildlife Program. 18 pp.

Scott, W. B. and E. J. Crossman. 1973. Freshwater Fishes of Canada. Fisheries Research Board of Canada Bulletin 184. 866 pp.

Smith, L. L., Jr. and J. B. Moyle. 1944. A Biological Survey and Fishery Management Plan for the Streams of the Lake Superior North Shore Watershed. Technical Bulletin No. 1. Minnesota Department of Conservation. 174 pp.

Surber, T. 1922. A Biological Reconnaissance of Streams Tributary to Lake Superior, Baptism River to Devil Track River. Manuscript Report. Minnesota Department of Conservation. 153 pp.

Surber, T. 1924. A Biological Reconnaissance of the Root River Drainage Basin Southeastern Minnesota. Minnesota Department of Conservation. 39 pp.

Underhill, J. C. 1957. The Distribution of Minnesota Minnows and Darters in Relation to Pleistocene Glaciation. Occasional Papers of the Bell Museum of Natural History No. 7. 45 pp.

Underhill, J. C. et al. In preparation. Atlas of Minnesota Fishes. University of Minnesota Press.

Waters, T. F. 1977. The Streams and Rivers of Minnesota. University of Minnesota Press. 373 pp.

Weber, P. and J. T. Hatch. 1987? Growth and Longevity of the Golden Shiner (*Notemigonus crysoleucas*) in Lake Itasca. 14 pp.

Williams, J. E. et al. 1989. Fishes of North America Endangered, Threatened, or of Special Concern. Fisheries 14:2-20.

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MINNESOTA STATE PARK FISH SPECIES LISTS

DIRECTORY

Region 1 - Northwest	23
Region 2 - Northeast	43
Region 3 - Central	64
Region 4 - Southwest	85
Region 5 - Southeast	106
Region 6 - Metro	125

KEY

- (S) - Special Concern
- (L) - Limited
- (E) - Exotic (Introduced)

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REGION 1 - NORTHWEST

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BUFFALO RIVER STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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SALMONIDAE - TROUTS

Coregonus artedii	Cisco	3
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UMBRIDAE - MUDMINNOS

Umbra limi	Central Mudminnow	4
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ESOCIDAE - PIKES

Esox lucius	Northern Pike	2-4
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CYPRINIDAE - MINNOS

Campostoma anomalum	Central Stoneroller	4
Cyprinella spiloptera	Spotfin Shiner	4,5
(E) Cyprinus carpio	Common Carp	2-4
Luxilus cornutus	Common Shiner	2-5
Margariscus margarita	Pearl Dace	4
Nocomis biguttatus	Hornyhead Chub	1-5
Notemigonus crysoleucas	Golden Shiner	4
Notropis blennius	River Shiner	2,3
Notropis dorsalis	Bigmouth Shiner	4,5
Notropis heterodon	Blackchin Shiner	1,4
Notropis heterolepis	Blacknose Shiner	1,4
Notropis hudsonius	Spottail Shiner	4
Notropis stramineus	Sand Shiner	4,5
Notropis volucellus	Mimic Shiner	4
Phoxinus eos	Northern Redbelly Dace	4
Pimephales notatus	Bluntnose Minnow	2,3
Pimephales promelas	Fathead Minnow	2-5
Rhinichthys atratulus	Blacknose Dace	4

<i>Rhinichthys cataractae</i>	Longnose Dace	1-5
<i>Semotilus atromaculatus</i>	Creek Chub	1-5

#### CATOSTOMIDAE - SUCKERS

<i>Catostomus commersoni</i>	White Sucker	1-5
<i>Moxostoma erythrurum</i>	Golden Redhorse	2-5
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	2-5

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	1-5
<i>Ameiurus natalis</i>	Yellow Bullhead	2-4
<i>Ameiurus nebulosus</i>	Brown Bullhead	2-4
<i>Ictalurus punctatus</i>	Channel Catfish	3
<i>Noturus flavus</i>	Stonecat	5
<i>Noturus gyrinus</i>	Tadpole Madtom	4

#### PERCOPSIDAE - TROUT-PERCHES

<i>Percopsis omiscomaycus</i>	Trout-perch	2-4
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#### CYPRINODONTIDAE - KILLIFISHES

<i>Fundulus diaphanus</i>	Banded Killifish	1
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#### GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	1,4
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#### CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	2,3,5
<i>Lepomis cyanellus</i>	Green Sunfish	3,4
<i>Lepomis gibbosus</i>	Pumpkinseed	2-4

Lepomis macrochirus	Bluegill	3,4
Micropterus salmoides	Largemouth Bass	2-4
Pomoxis nigromaculatus	Black Crappie	2-4

PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	4
Etheostoma nigrum	Johnny Darter	1-5
Perca flavescens	Yellow Perch	3,4
Percina maculata	Blackside Darter	4,5
Percina shumardi	River Darter	4
Stizostedion vitreum	Walleye	2-4

SCIAENIDAE - DRUMS

Aplodinotus grunniens	Freshwater Drum	4
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Survey Source:

1. UM/Bell Museum (Buffalo River): 1964-65
2. MDNR/Fisheries (Buffalo River): 1965
- 3 MDNR/Fisheries (Buffalo River watershed): 1961-64
4. UM/Bell Museum (Buffalo River watershed): 1975
5. Konrad Schmidt (Buffalo River State Park): 1989

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FRANZ JEVNE STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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PETROMYZONTIDAE - LAMPREYS

Ichthyomyzon unicuspis	Silver Lamprey	4
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ACIPENSERIDAE - STURGEONS

(S) Acipenser fulvescens	Lake Sturgeon	
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HIODONTIDAE - MOONEYES

Hiodon alosoides	Goldeye	4
Hiodon tergisus	Mooneye	1,4

SALMONIDAE - TROUTS

Coregonus artedii	Cisco	1,4
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UMBRIDAE - MUDMINNOWS

Umbra limi	Central Mudminnow	1-3,5
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ESOCIDAE - PIKES

Esox lucius	Northern Pike	1-4
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CYPRINIDAE - MINNOWS

Cyprinella spiloptera	Spotfin Shiner	4
Hybognathus hankinsoni	Brassy Minnow	1,2,4
Luxilus cornutus	Common Shiner	1-5
Margariscus margarita	Pearl Dace	2,3
Nocomis biguttatus	Hornyhead Chub	1,2,4,5
Notemigonus crysoleucas	Golden Shiner	1,4
Notropis atherinoides	Emerald Shiner	4
Notropis blennius	River Shiner	1,4

<i>Notropis dorsalis</i>	Bigmouth Shiner	1,2,5
<i>Notropis heterodon</i>	Blackchin Shiner	2
<i>Notropis heterolepis</i>	Blacknose Shiner	1,5
<i>Notropis hudsonius</i>	Spottail Shiner	1,2,4,5
<i>Notropis rubellus</i>	Rosyface Shiner	1
<i>Notropis volucellus</i>	Mimic Shiner	3
<i>Phoxinus eos</i>	Northern Redbelly Dace	1,2
<i>Phoxinus neogaeus</i>	Finescale Dace	2,3
<i>Pimephales notatus</i>	Bluntnose Minnow	2
<i>Pimephales promelas</i>	Fathead Minnow	1,2
<i>Rhinichthys atratulus</i>	Blacknose Dace	1,2,5
<i>Rhinichthys cataractae</i>	Longnose Dace	1,2,5
<i>Semotilus atromaculatus</i>	Creek Chub	1-3,5

#### CATOSTOMIDAE - SUCKERS

<i>Carpiodes cyprinus</i>	Quillback	1,4
(L) <i>Catostomus catostomus</i>	Longnose Sucker	1-4
<i>Catostomus commersoni</i>	White Sucker	1-4
<i>Moxostoma anisurum</i>	Silver Redhorse	1,4
<i>Moxostoma erythrurum</i>	Golden Redhorse	1,2,4
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	1,4

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	1,2,4
<i>Ameiurus nebulosus</i>	Brown Bullhead	1
<i>Noturus gyrinus</i>	Tadpole Madtom	1,5

#### PERCOPSIDAE - TROUT-PERCHES

<i>Percopsis omiscomaycus</i>	Trout-perch	1-4
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#### GADIDAE - CODFISHES

<i>Lota lota</i>	Burbot	1,4
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#### GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	1-3,5
(L) <i>Pungitius pungitius</i>	Ninespine Stickleback	1

#### CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	1,2,4,5
<i>Lepomis gibbosus</i>	Pumpkinseed	1
<i>Lepomis macrochirus</i>	Bluegill	1
<i>Micropterus dolomieu</i>	Smallmouth Bass	1,2,4
<i>Micropterus salmoides</i>	Largemouth Bass	1,2
<i>Pomoxis nigromaculatus</i>	Black Crappie	1,2,4,5

#### PERCIDAE - PERCHES

<i>Etheostoma exile</i>	Iowa Darter	1,2
<i>Etheostoma nigrum</i>	Johnny Darter	1-5
<i>Perca flavescens</i>	Yellow Perch	1-5
<i>Percina caprodes</i>	Logperch	1-5
<i>Percina maculata</i>	Blackside Darter	1-5
<i>Percina shumardi</i>	River Darter	1,2,5
<i>Stizostedion canadense</i>	Sauger	1,4
<i>Stizostedion vitreum</i>	Walleye	1,3-5

#### COTTIDAE - SCULPINS

<i>Cottus bairdi</i>	Mottled Sculpin	2
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Cottus cognatus	Slimy Sculpin	2
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Survey Source:

1. MDNR/Fisheries (Rainy River): 1963
2. UM/Bell Museum (Rainy River watershed): 1977
3. UM/Bell Museum (Rainy River watershed): 1983
4. MDNR/Ecological Services (Rainy River): 1987
5. Konrad Schmidt (Franz Jevne State Park): 1983 and 1989
6. Ontario Ministry of Natural Resources: 1990 and  
     UM/Bell Museum: 1912 (Rainy River - Sault Rapids)

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GLACIAL LAKES STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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UMBRIDAE - MUDMINNOWS

Umbra limi	Central Mudminnow	2
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ESOCIDAE - PIKES

Esox lucius	Northern Pike	1,3
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CYPRINIDAE - MINNOWS

Campostoma anomalum	Central Stoneroller	1
Hybognathus hankinsoni	Brassy Minnow	3
(L) Notropis anogenus	Pugnose Shiner	1

<i>Notropis heterolepis</i>	Blacknose Shiner	1,3
<i>Phoxinus eos</i>	Northern Redbelly Dace	3
<i>Pimephales promelas</i>	Fathead Minnow	2,3
<i>Rhinichthys atratulus</i>	Blacknose Dace	2,3
<i>Semotilus atromaculatus</i>	Creek Chub	2,3

#### CATOSTOMIDAE - SUCKERS

<i>Catostomus commersoni</i>	White Sucker	1-3
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#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus natalis</i>	Yellow Bullhead	1
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#### CYPRINODONTIDAE - KILLIFISHES

<i>Fundulus diaphanus</i>	Banded Killifish	1,3
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#### GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	2,3
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#### CENTRARCHIDAE - SUNFISHES

<i>Lepomis cyanellus</i>	Green Sunfish	3
<i>Lepomis gibbosus</i>	Pumpkinseed	1,3
<i>Lepomis macrochirus</i>	Bluegill	1,3
<i>Micropterus salmoides</i>	Largemouth Bass	1,3
<i>Pomoxis nigromaculatus</i>	Black Crappie	1,3

#### PERCIDAE - PERCHES

<i>Etheostoma exile</i>	Iowa Darter	1,3
<i>Etheostoma nigrum</i>	Johnny Darter	1-3
<i>Perca flavescens</i>	Yellow Perch	1,3

Stizostedion vitreum	Walleye	1
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Survey Source:

1. MDNR/Fisheries (Signalness Lake): 1962-90
2. MDNR/Ecological Services (Signalness Creek): 1990
3. Konrad Schmidt (Glacial Lakes State Park): 1992 and 1993

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GLENDALOUGH STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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AMIIDAE - BOWFINS

Amia calva	Bowfin	1-3
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SALMONIDAE - TROUTS

Coregonus artedii	Cisco	1,2
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ESOCIDAE - PIKES

Esox lucius	Northern Pike	1-4
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CYPRINIDAE - MINNOWS

(E) Cyprinus carpio	Common Carp	2
Notropis dorsalis	Bigmouth Shiner	2
Notropis heterolepis	Blacknose Shiner	2
Notropis hudsonius	Spottail Shiner	2,4

<i>Notropis stramineus</i>	Sand Shiner	2
<i>Pimephales notatus</i>	Bluntnose Minnow	2,4
<i>Pimephales promelas</i>	Fathead Minnow	4

#### CATOSTOMIDAE - SUCKERS

<i>Catostomus commersoni</i>	White Sucker	1-4
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#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	1-3
<i>Ameiurus natalis</i>	Yellow Bullhead	1-3
<i>Ameiurus nebulosus</i>	Brown Bullhead	1-3

#### CYPRINODONTIDAE - KILLIFISHES

<i>Fundulus diaphanus</i>	Banded Killifish	4
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#### GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	4
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#### CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	1-3
<i>Lepomis cyanellus</i>	Green Sunfish	4
<i>Lepomis gibbosus</i>	Pumpkinseed	1-4
<i>Lepomis macrochirus</i>	Bluegill	1-4
<i>Micropterus dolomieu</i>	Smallmouth Bass	2
<i>Micropterus salmoides</i>	Largemouth Bass	1-3
<i>Pomoxis nigromaculatus</i>	Black Crappie	1-3

#### PERCIDAE - PERCHES

<i>Etheostoma exile</i>	Iowa Darter	4
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Etheostoma nigrum	Johnny Darter	2,4
Perca flavescens	Yellow Perch	1-3
Percina caprodes	Logperch	4
Stizostedion vitreum	Walleye	1-3

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Survey Source:

1. MDNR/Fisheries (Molly Stark Lake): 1982 and 1989
2. MDNR/Fisheries (Lake Blanche): 1972-90
3. MDNR/Fisheries (Annie Battle Lake): 1990
4. Konrad Schmidt (Glendalough State Park): 1992

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HAYES LAKE STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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PETROMYZONTIDAE - LAMPREYS

Ichthyomyzon castaneus	Chestnut Lamprey	1
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UMBRIDAE - MUDMINNOS

Umbra limi	Central Mudminnow	1,2,5
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ESOCIDAE - PIKES

Esox lucius	Northern Pike	1-4
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CYPRINIDAE - MINNOS

(E)	<i>Cyprinus carpio</i>	Common Carp	1
	<i>Hybognathus hankinsoni</i>	Brassy Minnow	2
	<i>Luxilus cornutus</i>	Common Shiner	1,2,4,5
	<i>Margariscus margarita</i>	Pearl Dace	2
	<i>Notropis atherinoides</i>	Emerald Shiner	4
	<i>Notropis dorsalis</i>	Bigmouth Shiner	2
	<i>Notropis heterolepis</i>	Blacknose Shiner	2
	<i>Notropis stramineus</i>	Sand Shiner	1
	<i>Phoxinus eos</i>	Northern Redbelly Dace	2
	<i>Phoxinus neogaeus</i>	Finescale Dace	2
	<i>Pimephales promelas</i>	Fathead Minnow	1,2
	<i>Rhinichthys atratulus</i>	Blacknose Dace	2
	<i>Rhinichthys cataractae</i>	Longnose Dace	1,2
	<i>Semotilus atromaculatus</i>	Creek Chub	1,2,5

#### CATOSTOMIDAE - SUCKERS

(L)	<i>Catostomus catostomus</i>	Longnose Sucker	2,4
	<i>Catostomus commersoni</i>	White Sucker	1-5
	<i>Moxostoma anisurum</i>	Silver Redhorse	1
	<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	1,3,4

#### ICTALURIDAE - BULLHEAD CATFISHES

	<i>Ameiurus nebulosus</i>	Brown Bullhead	3,4
	<i>Ictalurus punctatus</i>	Channel Catfish	3
	<i>Noturus flavus</i>	Stonecat	1,4
	<i>Noturus gyrinus</i>	Tadpole Madtom	1,2,4,5

#### PERCOPSIDAE - TROUT-PERCHES

	<i>Percopsis omiscomaycus</i>	Trout-perch	1,2
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GADIDAE - CODFISHES

Lota lota	Burbot	1
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	2,5
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CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	1,2
Lepomis macrochirus	Bluegill	4,5
Micropterus salmoides	Largemouth Bass	4,5
Pomoxis nigromaculatus	Black Crappie	4,5

PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	2
Etheostoma nigrum	Johnny Darter	1,2,4,5
Perca flavescens	Yellow Perch	5
Percina maculata	Blackside Darter	1,2
Percina shumardi	River Darter	4
Stizostedion canadense	Sauger	1
Stizostedion vitreum	Walleye	1,3,4

SCIAENIDAE - DRUMS

Aplodinotus grunniens	Freshwater Drum	1
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Survey Source:

1. MDNR/Ecological Services (Roseau River): 1975-76
2. UM/Bell Museum (Roseau River watershed): 1976

3. MDNR/Fisheries (Hayes Lake): 1974 and 1978
4. MDNR/Fisheries (Hayes Lake): 1981-87
5. Konrad Schmidt (Hayes Lake State Park): 1989

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# ITASCA STATE PARK

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## FAMILY

Scientific Name	Common Name	Survey
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SALMONIDAE - TROUTS		
Coregonus artedii	Tullibee	1,3
Salvelinus fontinalis	Brook Trout	7
UMBRIDAE - MUDMINNOWS		
Umbra limi	Central Mudminnow	7-9,12
ESOCIDAE - PIKES		
Esox lucius	Northern Pike	1-4,7,12
Esox masquinongy	Muskellunge	3
CYPRINIDAE - MINNOWS		
Hybognathus hankinsoni	Brassy Minnow	7,9,11
Luxilus cornutus	Common Shiner	1,7,9,11,12
Margariscus margarita	Pearl Dace	7
Notemigonus crysoleucas	Golden Shiner	1-3,9
Notropis heterodon	Blackchin Shiner	1,7,9,12
Notropis heterolepis	Blacknose Shiner	1,7,9,11,12



<i>Notropis hudsonius</i>	Spottail Shiner	1,3,7
<i>Notropis stramineus</i>	Sand Shiner	7
<i>Notropis volucellus</i>	Mimic Shiner	1,9
<i>Phoxinus eos</i>	Northern Redbelly Dace	7-9,11,12
<i>Phoxinus neogaeus</i>	Finescale Dace	7,8,12
<i>Pimephales notatus</i>	Bluntnose Minnow	1,7,12
<i>Pimephales promelas</i>	Fathead Minnow	1,7-9,11,12
<i>Rhinichthys atratulus</i>	Blacknose Dace	7,9,11,12
<i>Semotilus atromaculatus</i>	Creek Chub	7,9,11,12

#### CATOSTOMIDAE - SUCKERS

<i>Catostomus commersoni</i>	White Sucker	1-3,6,7,9,11,12
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#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	1,2,7,12
<i>Ameiurus nebulosus</i>	Brown Bullhead	1-4
<i>Noturus gyrinus</i>	Tadpole Madtom	1,7

#### CYPRINODONTIDAE - KILLIFISHES

<i>Fundulus diaphanus</i>	Banded Killifish	1,3
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#### GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	7-9,12
(L) <i>Pungitius pungitius</i>	Ninespine Stickleback	10

#### CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	1,3,6,12
<i>Lepomis cyanellus</i>	Green Sunfish	2,4,7

<i>Lepomis gibbosus</i>	Pumpkinseed	1-5,7
<i>Lepomis macrochirus</i>	Bluegill	1-4,7,12
<i>Micropterus salmoides</i>	Largemouth Bass	1-4,7,12
<i>Pomoxis nigromaculatus</i>	Black Crappie	1,2,7

#### PERCIDAE - PERCHES

<i>Etheostoma exile</i>	Iowa Darter	1,7,9,12
<i>Etheostoma nigrum</i>	Johnny Darter	1,3,7,9,12
<i>Perca flavescens</i>	Yellow Perch	1-3,6,7,9,12
<i>Percina caprodes</i>	Logperch	1
<i>Stizostedion vitreum</i>	Walleye	1-3

#### COTTIDAE - SCULPINS

<i>Cottus bairdi</i>	Mottled Sculpin	7,12
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#### Survey Source:

1. MDNR/Fisheries (Lake Itasca): 1960-89
2. MDNR/Fisheries (Squaw Lake): 1988
3. MDNR/Fisheries (Elk Lake): 1973-88
4. MDNR/Fisheries (North and South Twin Lakes): 1988
5. MDNR/Fisheries (Demning Lake): 1988
6. MDNR/Fisheries (Josephine Lake): 1988
7. MDNR/Fisheries (Gould and Sucker Creeks): 1983-86
8. UM/Bell Museum (French Creek): 1982
9. UM/Bell Museum (Sucker Creek): 1960 and 1963
10. UM/Bell Museum (Itasca State Park): 1927 and 1968
11. MDNR/Ecological Services (Mississippi River-Itasca State Park): 1975
12. Konrad Schmidt (Lake Itasca State Park): 1993

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LAKE BEMIDJI STATE PARK

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FAMILY

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Scientific Name	Common Name	Survey
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SALMONIDAE - TROUTS

Coregonus artedii	Tullibee	1
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UMBRIDAE - MUDMINNOWS

Umbra limi	Central Mudminnow	3
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ESOCIDAE - PIKES

Esox lucius	Northern Pike	1,2
Esox masquinongy	Muskellunge	1

CYPRINIDAE - MINNOWS

Hybognathus hankinsoni	Brassy Minnow	3
Luxilus cornutus	Common Shiner	1
Notemigonus crysoleucas	Golden Shiner	1,3
Notropis atherinoides	Emerald Shiner	1
Notropis heterodon	Blackchin Shiner	3
Notropis heterolepis	Blacknose Shiner	1-3
Notropis hudsonius	Spottail Shiner	1-3
Notropis volucellus	Mimic Shiner	1
Phoxinus eos	Northern Redbelly Dace	1,3

<i>Phoxinus neogaeus</i>	Finescale Dace	1,3
<i>Pimephales notatus</i>	Bluntnose Minnow	1,3
<i>Pimephales promelas</i>	Fathead Minnow	1,3
<i>Rhinichthys cataractae</i>	Longnose Dace	3
<i>Semotilus atromaculatus</i>	Creek Chub	3

#### CATOSTOMIDAE - SUCKERS

<i>Catostomus commersoni</i>	White Sucker	1-3
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	1

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	1,2
<i>Ameiurus natalis</i>	Yellow Bullhead	1,2
<i>Ameiurus nebulosus</i>	Brown Bullhead	1,2
<i>Noturus gyrinus</i>	Tadpole Madtom	1,3

#### PERCOPSIDAE - TROUT-PERCHES

<i>Percopsis omiscomaycus</i>	Trout-perch	1
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#### GADIDAE - CODFISHES

<i>Lota lota</i>	Burbot	1,3
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#### CYPRINODONTIDAE - KILLIFISHES

<i>Fundulus diaphanus</i>	Banded Killifish	1
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#### GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	1,3
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#### CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	1-3
<i>Lepomis cyanellus</i>	Green Sunfish	1
<i>Lepomis gibbosus</i>	Pumpkinseed	1,2
<i>Lepomis macrochirus</i>	Bluegill	2,3
<i>Micropterus salmoides</i>	Largemouth Bass	1-3
<i>Pomoxis nigromaculatus</i>	Black Crappie	1,2

PERCIDAE - PERCHES

<i>Etheostoma exile</i>	Iowa Darter	1-3
<i>Etheostoma nigrum</i>	Johnny Darter	1,3
<i>Perca flavescens</i>	Yellow Perch	1-3
<i>Percina caprodes</i>	Logperch	1,3
<i>Stizostedion vitreum</i>	Walleye	2

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Survey Source:

1. MDNR/Fisheries (Lake Bemidji): 1989 and 1990
2. MDNR/Fisheries (Big Bass Lake): 1987
3. Konrad Schmidt (Lake Bemidji State Park): 1992

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LAKE BRONSON STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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UMBRIDAE - MUDMINNOMS

<i>Umbra limi</i>	Central Mudminnow	7,8
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# ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	1-8
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# CYPRINIDAE - MINNOWS

<i>Cyprinella spiloptera</i>	Spotfin Shiner	5
(E) <i>Cyprinus carpio</i>	Common Carp	3,5
<i>Hybognathus hankinsoni</i>	Brassy Minnow	5
<i>Luxilus cornutus</i>	Common Shiner	5-8
<i>Macrhybopsis storeriana</i>	Silver Chub	5
<i>Margariscus margarita</i>	Pearl Dace	5
<i>Nocomis biguttatus</i>	Hornyhead Chub	5
<i>Notemigonus crysoleucas</i>	Golden Shiner	5
(L) <i>Notropis anogenus</i>	Pugnose Shiner	5
<i>Notropis atherinoides</i>	Emerald Shiner	5
<i>Notropis dorsalis</i>	Bigmouth Shiner	5
<i>Notropis heterodon</i>	Blackchin Shiner	5
<i>Notropis heterolepis</i>	Blacknose Shiner	5
<i>Notropis hudsonius</i>	Spottail Shiner	5
<i>Notropis rubellus</i>	Rosyface Shiner	5
<i>Notropis stramineus</i>	Sand Shiner	5-7
<i>Notropis volucellus</i>	Mimic Shiner	5
<i>Phoxinus eos</i>	Northern Redbelly Dace	5
<i>Phoxinus neogaeus</i>	Finescale Dace	5
<i>Pimephales promelas</i>	Fathead Minnow	5,6,8
<i>Rhinichthys atratulus</i>	Blacknose Dace	5-8
<i>Rhinichthys cataractae</i>	Longnose Dace	5
<i>Semotilus atromaculatus</i>	Creek Chub	5-8

CATOSTOMIDAE - SUCKERS

<i>Carpiodes cyprinus</i>	Quillback	5
<i>Catostomus commersoni</i>	White Sucker	1-8
<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	5
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	3,5,6

ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	1-5,8
<i>Ameiurus nebulosus</i>	Brown Bullhead	3,5
<i>Noturus gyrinus</i>	Tadpole Madtom	1,4,6,7

GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	7,8
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CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	1,3-6,8
<i>Lepomis gibbosus</i>	Pumpkinseed	2-4,6-8
<i>Lepomis macrochirus</i>	Bluegill	4
<i>Micropterus salmoides</i>	Largemouth Bass	2-4,6
<i>Pomoxis nigromaculatus</i>	Black Crappie	2-7

PERCIDAE - PERCHES

<i>Etheostoma nigrum</i>	Johnny Darter	1,3-8
<i>Perca flavescens</i>	Yellow Perch	1-8
<i>Percina maculata</i>	Blackside Darter	1,5,6,8
<i>Stizostedion canadense</i>	Sauger	5
<i>Stizostedion vitreum</i>	Walleye	1-6,8

SCIAENIDAE - DRUMS

Aplodinotus grunniens	Freshwater Drum	5
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Survey Source:

1. MDNR/Fisheries (Lake Bronson): 1950
2. MDNR/Fisheries (Lake Bronson): 1969
3. MDNR/Fisheries (Lake Bronson): 1973 and 1979
4. MDNR/Fisheries (Lake Bronson): 1984 and 1987
5. UM/Bell Museum (Two Rivers watershed): 1976
6. MDNR/Fisheries (Two Rivers-South Branch): 1987
7. Konrad Schmidt (Lake Bronson State Park): 1989
8. MDNR/Ecological Services and MPCA (Two Rivers-South Branch): 1993

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LAKE CARLOS STATE PARK

FAMILY

Scientific Name	Common Name	Survey
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AMIIDAE - BOWFINS

Amia calva	Bowfin	1-3
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SALMONIDAE - TROUTS

Coregonus artedii	Tullibee	1
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UMBRIDAE - MUDMINNOWS

Umbra limi	Central Mudminnow	3,4
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# ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	1-4
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# CYPRINIDAE - MINNOWS

<i>Cyprinella spiloptera</i>	Spotfin Shiner	3
(E) <i>Cyprinus carpio</i>	Common Carp	1-3
<i>Hybognathus hankinsoni</i>	Brassy Minnow	3
<i>Luxilus cornutus</i>	Common Shiner	1,3,4
<i>Nocomis biguttatus</i>	Hornyhead Chub	3
<i>Notemigonus crysoleucas</i>	Golden Shiner	4
<i>Notropis atherinoides</i>	Emerald Shiner	1,3
<i>Notropis blennius</i>	River Shiner	3
<i>Notropis heterodon</i>	Blackchin Shiner	3,4
<i>Notropis heterolepis</i>	Blacknose Shiner	3,4
<i>Notropis hudsonius</i>	Spottail Shiner	1,4
<i>Notropis stramineus</i>	Sand Shiner	3
<i>Notropis volucellus</i>	Mimic Shiner	3
<i>Pimephales notatus</i>	Bluntnose Minnow	1,3,4
<i>Pimephales promelas</i>	Fathead Minnow	3,4
<i>Rhinichthys atratulus</i>	Blacknose Dace	3
<i>Rhinichthys cataractae</i>	Longnose Dace	3

# CATOSTOMIDAE - SUCKERS

<i>Catostomus commersoni</i>	White Sucker	1,3
<i>Moxostoma anisurum</i>	Silver Redhorse	3
<i>Moxostoma erythrurum</i>	Golden Redhorse	3
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	1,3

(L) Moxostoma valenciennesi	Greater Redhorse	3
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ICTALURIDAE - BULLHEAD CATFISHES

Ameiurus melas	Black Bullhead	1-3
Ameiurus natalis	Yellow Bullhead	1-4
Ameiurus nebulosus	Brown Bullhead	1-3
Noturus gyrinus	Tadpole Madtom	3,4

PERCOPSIDAE - TROUT-PERCHES

Percopsis omiscomaycus	Trout-perch	3
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GADIDAE - CODFISHES

Lota lota	Burbot	3
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CYPRINODONTIDAE - KILLIFISHES

Fundulus diaphanus	Banded Killifish	1,4
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	4
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CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	1,3
Lepomis cyanellus	Green Sunfish	1,4
Lepomis gibbosus	Pumpkinseed	1-4
Lepomis macrochirus	Bluegill	1-3
Micropterus dolomieu	Smallmouth Bass	1
Micropterus salmoides	Largemouth Bass	3,4
Pomoxis nigromaculatus	Black Crappie	1-3

PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	4
(L) Etheostoma microperca	Least Darter	4
Etheostoma nigrum	Johnny Darter	3,4
Perca flavescens	Yellow Perch	1,3
Percina caprodes	Logperch	3
Stizostedion vitreum	Walleye	1,3

Survey Source:

1. MDNR/Fisheries (Lake Carlos): 1973 and 1988
2. MDNR/Fisheries (Hidden Lake): 1982 and 1986
3. MDNR/Fisheries (Long Prairie River): 1965 and 1987
4. Konrad Schmidt (Lake Carlos State Park): 1992

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MAPLEWOOD STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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ACIPENSERIDAE - STURGEONS

(S) Acipenser fulvescens	Lake Sturgeon	8
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AMIIDAE - BOWFINS

Amia calva	Bowfin	1
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SALMONIDAE - TROUTS

Coregonus artedii	Tullibee	1
(E) Oncorhynchus mykiss	Rainbow Trout	4
(E) Salmo trutta	Brown Trout	4

#### UMBRIDAE - MUDMINNOS

Umbra limi	Central Mudminnow	7
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#### ESOCIDAE - PIKES

Esox lucius	Northern Pike	1-3,5,6
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#### CYPRINIDAE - MINNOS

Luxilus cornutus	Common Shiner	7
Notemigonus crysoleucas	Golden Shiner	5-7
Notropis heterodon	Blackchin Shiner	7
Notropis heterolepis	Blacknose Shiner	1,5,7
Notropis hudsonius	Spottail Shiner	1
Pimephales notatus	Bluntnose Minnow	1,7
Pimephales promelas	Fathead Minnow	1,7

#### CATOSTOMIDAE - SUCKERS

Catostomus commersoni	White Sucker	1,2,6
Ictiobus cyprinellus	Bigmouth Buffalo	1

#### ICTALURIDAE - BULLHEAD CATFISHES

Ameiurus melas	Black Bullhead	1-4,6,7
Ameiurus natalis	Yellow Bullhead	1-3,6,7
Ameiurus nebulosus	Brown Bullhead	1,2,6
Noturus gyrinus	Tadpole Madtom	7

CYPRINODONTIDAE - KILLIFISHES

Fundulus diaphanus	Banded Killifish	1,6,7
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	7
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CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	1,6
Lepomis cyanellus	Green Sunfish	2,3-7
Lepomis gibbosus	Pumpkinseed	1-3,6,7
Lepomis macrochirus	Bluegill	1-3,6,7
Micropterus dolomieu	Smallmouth Bass	1
Micropterus salmoides	Largemouth Bass	1,3,5,6
Pomoxis nigromaculatus	Black Crappie	1-3,6

PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	7
(L) Etheostoma microperca	Least Darter	7
Etheostoma nigrum	Johnny Darter	1,7
Perca flavescens	Yellow Perch	1,3,5,6
Percina caprodes	Logperch	1
Stizostedion vitreum	Walleye	1,2,5,6

SCIAENIDAE - FRESHWATER DRUMS

Aplodinotus grunniens	Freshwater Drum	1
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Survey Source:

1. MDNR/Fisheries (Lake Lida): 1985-89

2. MDNR/Fisheries (Grass Lake): 1989
3. MDNR/Fisheries (Fladmark Lake): 1982
4. MDNR/Fisheries (Bass Lake): 1987
5. MDNR/Fisheries (Cow Lake): 1968 and 1985
6. MDNR/Fisheries (Beers Lake): 1959-87
7. Konrad Schmidt (Maplewood State Park): 1992
8. UM/Bell Museum (Lake Lida): 1948

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#### OLD MILL STATE PARK

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#### FAMILY

Scientific Name	Common Name	Survey
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#### UMBRIDAE - MUDMINNOWS

<i>Umbra limi</i>	Central Mudminnow	1,3,4
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#### ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	1
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#### CYPRINIDAE - MINNOWS

(E) <i>Cyprinus carpio</i>	Common Carp	1,4
<i>Hybognathus hankinsoni</i>	Brassy Minnow	1
<i>Luxilus cornutus</i>	Common Shiner	1-4
<i>Margariscus margarita</i>	Pearl Dace	1,3,4
<i>Notropis dorsalis</i>	Bigmouth Shiner	1
<i>Notropis volucellus</i>	Mimic Shiner	2
<i>Phoxinus eos</i>	Northern Redbelly Dace	1,3,4

<i>Phoxinus neogaeus</i>	Finescale Dace	1,3,4
<i>Pimephales promelas</i>	Fathead Minnow	1-4
<i>Rhinichthys atratulus</i>	Blacknose Dace	1-4
<i>Semotilus atromaculatus</i>	Creek Chub	1-4

#### CATOSTOMIDAE - SUCKERS

<i>Catostomus commersoni</i>	White Sucker	1-4
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	1

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	1-4
<i>Ameiurus nebulosus</i>	Brown Bullhead	1
<i>Noturus flavus</i>	Stonecat	1

#### GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	1,3,4
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#### CENTRARCHIDAE - SUNFISHES

<i>Pomoxis nigromaculatus</i>	Black Crappie	1
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#### PERCIDAE - PERCHES

<i>Etheostoma nigrum</i>	Johnny Darter	1-4
<i>Percina maculata</i>	Blackside Darter	1,3,4
<i>Percina shumardi</i>	River Darter	2

#### SCIAENIDAE - DRUMS

<i>Aplodinotus grunniens</i>	Freshwater Drum	1
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Survey Source:

1. UM/Bell Museum (Middle River watershed): 1976
2. MDNR/Fisheries (Middle River): 1986
3. Konrad Schmidt (Old Mill State Park): 1989
4. MDNR/Ecological Services and MPCA (Middle River): 1993

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ZIPPEL BAY STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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ACIPENSERIDAE - STURGEONS

(S) Acipenser fulvescens	Lake Sturgeon	1
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HIODONTIDAE - MOONEYES

Hiodon tergisus	Mooneye	1
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SALMONIDAE - TROUTS

Coregonus artedii	Tullibee	1
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OSMERIDAE - SMELTS

(E) Osmerus mordax	Rainbow Smelt	1
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UMBRIDAE - MUDMINNOWS

Umbra limi	Central Mudminnow	2,3
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ESOCIDAE - PIKES



<i>Esox lucius</i>	Northern Pike	1-3
<i>Esox masquinongy</i>	Muskellunge	1

#### CYPRINIDAE - MINNOWS

<i>Luxilus cornutus</i>	Common Shiner	2
<i>Notemigonus crysoleucas</i>	Golden Shiner	3
<i>Notropis atherinoides</i>	Emerald Shiner	3
<i>Notropis blennius</i>	River Shiner	3
<i>Notropis heterolepis</i>	Blacknose Shiner	3
<i>Notropis hudsonius</i>	Spottail Shiner	1,3
<i>Pimephales promelas</i>	Fathead Minnow	3
<i>Rhinichthys atratulus</i>	Blacknose Dace	1,2
<i>Rhinichthys cataractae</i>	Longnose Dace	3
<i>Semotilus atromaculatus</i>	Creek Chub	2

#### CATOSTOMIDAE - SUCKERS

<i>Carpiodes cyprinus</i>	Quillback	1
(L) <i>Catostomus catostomus</i>	Longnose Sucker	1
<i>Catostomus commersoni</i>	White Sucker	1-3
<i>Moxostoma anisurum</i>	Silver Redhorse	1
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	1

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	1,3
<i>Noturus gyrinus</i>	Tadpole Madtom	1

#### PERCOPSIDAE - TROUT-PERCHES

<i>Percopsis omiscomaycus</i>	Trout-perch	1,3
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GADIDAE - CODFISHES

Lota lota	Burbot	1,3
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	3
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CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	1
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Micropterus dolomieu	Smallmouth Bass	1
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Pomoxis nigromaculatus	Black Crappie	1
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PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	2,3
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Etheostoma nigrum	Johnny Darter	3
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Perca flavescens	Yellow Perch	1-3
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Percina caprodes	Logperch	1-3
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Percina shumardi	River Darter	3
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Stizostedion canadense	Sauger	1,2
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Stizostedion vitreum	Walleye	1,2
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COTTIDAE - SCULPINS

Cottus bairdi	Mottled Sculpin	3
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Survey Source:

1. MDNR/Fisheries (Lake of the Woods: 1981-92)
2. UM/Bell Museum (Zippel Creek - South and West Branches: 1977)
3. Konrad Schmidt (Zippel Bay State Park: 1992)

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REGION 2 - NORTHEAST

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BEAR HEAD STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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SALMONIDAE - TROUTS

Salvelinus fontinalis	Brook Trout	3
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ESOCIDAE - PIKES

Esox lucius	Northern Pike	1,2
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CYPRINIDAE - MINNOWS

Luxilus cornutus	Common Shiner	3
Margariscus margarita	Pearl Dace	3
Notropis heterolepis	Blacknose Shiner	3
Phoxinus eos	Northern Redbelly Dace	3
Phoxinus neogaeus	Finescale Dace	3
Pimephales notatus	Bluntnose Minnow	3
Pimephales promelas	Fathead Minnow	3

CATOSTOMIDAE - SUCKERS

Catostomus commersoni	White Sucker	1-3
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GADIDAE - CODFISHES

Lota lota	Burbot	1
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	3
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CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	2
Lepomis cyanellus	Green Sunfish	1
Lepomis gibbosus	Pumpkinseed	1
Lepomis macrochirus	Bluegill	1-3
Micropterus dolomieu	Smallmouth Bass	2
Micropterus salmoides	Largemouth Bass	1,2
Pomoxis nigromaculatus	Black Crappie	1,2

PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	3
Perca flavescens	Yellow Perch	1,2
Percina caprodes	Logperch	3
Stizostedion vitreum	Walleye	1-3

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Survey Source:

1. MDNR/Fisheries (Bear Head Lake: 1961-89)
2. MDNR/Fisheries (Eagles Nest #3: 1956-90)
3. Konrad Schmidt (Bear Head State Park: 1992)

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# CASCADE RIVER STATE PARK

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## FAMILY

Scientific Name	Common Name	Survey
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### SALMONIDAE - TROUTS

(E) <i>Oncorhynchus gorboscha</i>	Pink Salmon	5
(E) <i>Oncorhynchus mykiss</i>	Rainbow Trout	1-6
(E) <i>Salmo trutta</i>	Brown Trout	1,3
<i>Salvelinus fontinalis</i>	Brook Trout	1-6

### UMBRIDAE - MUDMINNOWS

<i>Umbra limi</i>	Central Mudminnow	2,3
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### CYPRINIDAE - MINNOWS

(L) <i>Couesius plumbeus</i>	Lake Chub	1
<i>Luxilus cornutus</i>	Common Shiner	1,3
<i>Margariscus margarita</i>	Pearl Dace	5
<i>Notropis heterolepis</i>	Blacknose Shiner	1
<i>Phoxinus eos</i>	Northern Redbelly Dace	1,2
<i>Phoxinus neogaeus</i>	Finescale Dace	1-3
<i>Rhinichthys atratulus</i>	Blacknose Dace	1-5
<i>Rhinichthys cataractae</i>	Longnose Dace	1-6
<i>Semotilus atromaculatus</i>	Creek Chub	1-5

CATOSTOMIDAE - SUCKERS

(L) Catostomus catostomus	Longnose Sucker	1,4
Catostomus commersoni	White Sucker	1

GADIDAE - CODFISHES

Lota lota	Burbot	5
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	1,5
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PERCIDAE - PERCHES

Etheostoma nigrum	Johnny Darter	1
Perca flavescens	Yellow Perch	1

COTTIDAE - SCULPINS

Cottus bairdi	Mottled Sculpin	1,3
Cottus cognatus	Slimy Sculpin	1,2

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Survey Source:

1. MN Dept. of Conservation (Cascade River): 1940-42
2. UM/Bell Museum (Cascade River watershed): 1983
3. MDNR/Fisheries (Cascade River) 1982 and 1985
4. MN Dept. of Conservation (Spruce Creek): 1940-42
5. MDNR/Fisheries (Spruce Creek): 1981 and 1985
6. Konrad Schmidt (Cascade River State Park): 1989

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GRAND PORTAGE STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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CLUPEIDAE - HERRINGS

(E) <i>Alosa pseudoharengus</i>	Alewife	2
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SALMONIDAE - TROUTS

<i>Coregonus clupeaformis</i>	Lake Whitefish	2
(E) <i>Oncorhynchus mykiss</i>	Rainbow Trout	1
(L) <i>Prosopium cylindraceum</i>	Round Whitefish	2
<i>Salvelinus fontinalis</i>	Brook Trout	1,3
<i>Salvelinus namaycush</i>	Lake Trout	2

OSMERIDAE - SMELTS

(E) <i>Osmerus mordax</i>	Rainbow Smelt	2
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UMBRIDAE - MUDMINNOWS

<i>Umbra limi</i>	Central Mudminnow	3,4
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ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	2-4
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CYPRINIDAE - MINNOWS

(L) <i>Couesius plumbeus</i>	Lake Chub	3
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<i>Luxilus cornutus</i>	Common Shiner	4
<i>Margariscus margarita</i>	Pearl Dace	1
<i>Notropis heterolepis</i>	Blacknose Shiner	3
<i>Notropis hudsonius</i>	Spottail Shiner	2
<i>Phoxinus eos</i>	Northern Redbelly Dace	3
<i>Phoxinus neogaeus</i>	Finescale Dace	1,3
<i>Pimephales notatus</i>	Bluntnose Minnow	3
<i>Pimephales promelas</i>	Fathead Minnow	3
<i>Rhinichthys atratulus</i>	Blacknose Dace	3,4
<i>Rhinichthys cataractae</i>	Longnose Dace	3,4
<i>Semotilus atromaculatus</i>	Creek Chub	3,4

#### CATOSTOMIDAE - SUCKERS

(L) <i>Catostomus catostomus</i>	Longnose Sucker	2
<i>Catostomus commersoni</i>	White Sucker	1-4
<i>Moxostoma anisurum</i>	Silver Redhorse	2,4

#### PERCOPSIDAE - TROUT-PERCHES

<i>Percopsis omiscomaycus</i>	Trout-perch	2
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#### GADIDAE - CODFISHES

<i>Lota lota</i>	Burbot	2,3
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#### GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	1,3,4
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#### CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	2,4
<i>Micropterus dolomieu</i>	Smallmouth Bass	4



PERCIDAE - PERCHES

Etheostoma nigrum	Johnny Darter	4
Perca flavescens	Yellow Perch	2-4
Percina caprodes	Logperch	4
Stizostedion vitreum	Walleye	2,4

COTTIDAE - SCULPINS

Cottus bairdi	Mottled Sculpin	3
Cottus cognatus	Slimy Sculpin	3

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Survey Source:

1. MDNR (Pigeon River): 1940-42
2. MDNR/Fisheries (Pigeon Bay and Pigeon River  
below Pigeon Falls): 1979-80
3. North American Native Fishes Association (Pigeon River  
headwaters): 1984, 90, and 91
4. Konrad Schmidt (Grand Portage State Park): 1991

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GEORGE CROSBY MANITOU STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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SALMONIDAE - TROUTS

(E) Salmo trutta	Brown Trout	1
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Salvelinus fontinalis	Brook Trout	2,3,5,6
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UMBRIDAE - MUDMINNOS

Umbra limi	Central Mudminnow	1-3,5,6
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ESOCIDAE - PIKES

Esox lucius	Northern Pike	1,3
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CYPRINIDAE - MINNOS

Luxilus cornutus	Common Shiner	1-6
Margariscus margarita	Pearl Dace	1,4,6
Notropis heterolepis	Blacknose Shiner	3,4,6
Phoxinus eos	Northern Redbelly Dace	4,6
Phoxinus neogaeus	Finescale Dace	2-4,6
Pimephales promelas	Fathead Minnow	3,6
Rhinichthys atratulus	Blacknose Dace	1-5
Rhinichthys cataractae	Longnose Dace	1-3,6
Semotilus atromaculatus	Creek Chub	1-3,5,6

CATOSTOMIDAE - SUCKERS

Catostomus commersoni	White Sucker	1-3,5,6
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	1-6
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CENTRARCHIDAE - SUNFISHES

Lepomis gibbosus	Pumpkinseed	6
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PERCIDAE - PERCHES

<i>Etheostoma exile</i>	Iowa Darter	3
<i>Etheostoma nigrum</i>	Johnny Darter	1,2
<i>Perca flavescens</i>	Yellow Perch	1

#### COTTIDAE - SCULPINS

<i>Cottus bairdi</i>	Mottled Sculpin	1,3,6
<i>Cottus cognatus</i>	Slimy Sculpin	1,2

#### Survey Source:

1. MN Dept. of Conservation (Manitou River): 1940-42
2. UM/Bell Museum (Manitou River watershed): 1983
3. MDNR/Fisheries (Manitou River): 1986 and 1988
4. UM/Bell Museum (Blesner Creek): 1984
5. MDNR/Fisheries (Blesner Creek): 1986
6. Konrad Schmidt (George Crosby Manitou State Park): 1989

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#### GOOSEBERRY FALLS STATE PARK

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#### FAMILY

Scientific Name	Common Name	Survey
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#### CLUPEIDAE - HERRINGS

(E) <i>Alosa pseudoharengus</i>	Alewife	4
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#### SALMONIDAE - TROUTS

(E) <i>Oncorhynchus mykiss</i>	Rainbow Trout	3
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(E)	<i>Oncorhynchus tshawytscha</i>	Chinook Salmon	3
(E)	<i>Salmo trutta</i>	Brown Trout	1
	<i>Salvelinus fontinalis</i>	Brook Trout	1

OSMERIDAE - SMELTS

(E)	<i>Osmerus mordax</i>	Rainbow Smelt	4
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ESOCIDAE - PIKES

	<i>Esox lucius</i>	Northern Pike	1,4
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CYPRINIDAE - MINNOWS

(L)	<i>Couesius plumbeus</i>	Lake Chub	1
	<i>Margariscus margarita</i>	Pearl Dace	1,2
	<i>Phoxinus eos</i>	Northern Redbelly Dace	2
	<i>Phoxinus neogaeus</i>	Finescale Dace	1,2
	<i>Pimephales promelas</i>	Fathead Minnow	2
	<i>Rhinichthys atratulus</i>	Blacknose Dace	1,2,4
	<i>Rhinichthys cataractae</i>	Longnose Dace	1,4
	<i>Semotilus atromaculatus</i>	Creek Chub	1,2,4

CATOSTOMIDAE - SUCKERS

	<i>Catostomus commersoni</i>	White Sucker	1,2,4
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PERCOPSIDAE - TROUT-PERCHES

	<i>Percopsis omiscomaycus</i>	Trout-perch	1,4
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GASTEROSTEIDAE - STICKLEBACKS

	<i>Culaea inconstans</i>	Brook Stickleback	1,2,4
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CENTRARCHIDAE - SUNFISHES

Lepomis gibbosus	Pumpkinseed	4
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PERCIDAE - PERCHES

Percina caprodes	Logperch	1,4
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COTTIDAE - SCULPINS

Cottus bairdi	Mottled Sculpin	1,4
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Cottus cognatus	Slimy Sculpin	4
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Survey Source:

1. MN Dept. of Conservation (Gooseberry River): 1940-42
2. UM/Bell Museum (Gooseberry River watershed): 1984
3. MDNR/Fisheries (Gooseberry River): 1987
4. Konrad Schmidt (Gooseberry Falls State Park): 1989

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JAY COOKE STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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PETROMYZONTIDAE - LAMPREYS

(E) Petromyzon marinus	Sea Lamprey	10
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ACIPENSERIDAE - STURGEONS

(S)	<i>Acipenser fulvescens</i>	Lake Sturgeon	5
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ANGUILLIDAE - FRESHWATER EELS

(L)	<i>Anguilla rostrata</i>	American Eel	5
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CLUPEIDAE - HERRINGS

(E)	<i>Alosa pseudoharengus</i>	Alewife	5
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SALMONIDAE - TROUTS

(E)	<i>Oncorhynchus kisutch</i>	Coho Salmon	5
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(E)	<i>Oncorhynchus mykiss</i>	Rainbow Trout	8
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(E)	<i>Salmo trutta</i>	Brown Trout	6,8
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	<i>Salvelinus fontinalis</i>	Brook Trout	7-9
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UMBRIDAE - MUDMINNOWS

	<i>Umbra limi</i>	Central Mudminnow	4,6,9
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ESOCIDAE - PIKES

	<i>Esox lucius</i>	Northern Pike	1-6
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	<i>Esox masquinongy</i>	Muskellunge	5
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CYPRINIDAE - MINNOWS

	<i>Cyprinella spiloptera</i>	Spotfin Shiner	4
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(E)	<i>Cyprinus carpio</i>	Common Carp	4,5
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	<i>Hybognathus hankinsoni</i>	Brassy Minnow	9
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	<i>Luxilus cornutus</i>	Common Shiner	1,2,4,7,9
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	<i>Margariscus margarita</i>	Pearl Dace	4,9
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	<i>Nocomis biguttatus</i>	Hornyhead Chub	4
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	<i>Notemigonus crysoleucas</i>	Golden Shiner	1,5
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<i>Notropis atherinoides</i>	Emerald Shiner	4
<i>Notropis heterodon</i>	Blackchin Shiner	2
<i>Notropis heterolepis</i>	Blacknose Shiner	1,2,4
<i>Notropis hudsonius</i>	Spottail Shiner	1,4
<i>Notropis stramineus</i>	Sand Shiner	1
<i>Notropis volucellus</i>	Mimic Shiner	4
<i>Phoxinus eos</i>	Northern Redbelly Dace	9
<i>Phoxinus neogaeus</i>	Finescale Dace	9
<i>Pimephales promelas</i>	Fathead Minnow	4,9
<i>Rhinichthys atratulus</i>	Blacknose Dace	6,9
<i>Rhinichthys cataractae</i>	Longnose Dace	1,2,4,6,7,9
<i>Semotilus atromaculatus</i>	Creek Chub	1,4,6,7,9

#### CATOSTOMIDAE - SUCKERS

(L) <i>Catostomus catostomus</i>	Longnose Sucker	5
<i>Catostomus commersoni</i>	White Sucker	1,3,4-9
<i>Moxostoma anisurum</i>	Silver Redhorse	4
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	3,4

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	1-5,9
<i>Ameiurus natalis</i>	Yellow Bullhead	3,5
<i>Ameiurus nebulosus</i>	Brown Bullhead	5
<i>Ictalurus punctatus</i>	Channel Catfish	3-5
<i>Noturus flavus</i>	Stonecat	5
<i>Noturus gyrinus</i>	Tadpole Madtom	1-3,5

#### PERCOPSIDAE - TROUT-PERCHES

<i>Percopsis omiscomaycus</i>	Trout-perch	1,2,4
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#### GADIDAE - CODFISHES

<i>Lota lota</i>	Burbot	1,3-5
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#### GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	4,6,9
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#### CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	1-5,9
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<i>Lepomis gibbosus</i>	Pumpkinseed	3-5
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<i>Lepomis macrochirus</i>	Bluegill	2-5
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<i>Micropterus dolomieu</i>	Smallmouth Bass	2-5
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<i>Micropterus salmoides</i>	Largemouth Bass	2,4
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<i>Pomoxis nigromaculatus</i>	Black Crappie	1,3-5
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#### PERCIDAE - PERCHES

<i>Etheostoma exile</i>	Iowa Darter	2
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<i>Etheostoma nigrum</i>	Johnny Darter	1,2,4,6,7,9
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(E) <i>Gymnocephalus cernuus</i>	River Ruffe	11
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<i>Perca flavescens</i>	Yellow Perch	1,2,4,5
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<i>Percina caprodes</i>	Logperch	1,2,4,9
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<i>Stizostedion vitreum</i>	Walleye	1,3-5
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#### SCIAENIDAE - DRUMS

<i>Aplodinotus grunniens</i>	Freshwater Drum	5
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#### COTTIDAE - SCULPINS

<i>Cottus bairdi</i>	Mottled Sculpin	4,6,7,9
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Survey Source:

1. MDNR/Ecological Services (St. Louis River above Cloquet):  
1941
2. MDNR/Ecological Services (St. Louis River above Cloquet):  
1974
3. MDNR/Ecological Services (St. Louis River): 1968
4. MDNR/Ecological Services (St. Louis River): 1976-77
5. MDNR/Fisheries (St. Louis Bay): 1983 and 1986
6. MDNR/Fisheries (Big Otter Creek): 1968
7. MDNR/Fisheries (Silver Creek): 1968
8. MDNR/Fisheries (Silver Creek): 1978
9. Konrad Schmidt (Jay Cooke State Park): 1989
10. USFWS/Sea Lamprey Control Program (St. Louis River below  
Fond du Lac dam)
11. MDNR/Fisheries (St. Louis River below Fond du Lac dam): 1989

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## JUDGE C. R. MAGNEY STATE PARK

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## FAMILY

Scientific Name

Common Name

Survey

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SALMONIDAE - TROUTS

(E)	<i>Oncorhynchus mykiss</i>	Rainbow Trout	1,2,4
(E)	<i>Oncorhynchus tshawytscha</i>	Chinook Salmon	4
(E)	<i>Salmo trutta</i>	Brown Trout	4
	<i>Salvelinus fontinalis</i>	Brook Trout	1,3

#### UMBRIDAE - MUDMINNOWS

	<i>Umbra limi</i>	Central Mudminnow	3,5
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#### ESOCIDAE - PIKES

	<i>Esox lucius</i>	Northern Pike	1,3,5
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#### CYPRINIDAE - MINNOWS

(L)	<i>Couesius plumbeus</i>	Lake Chub	1,3,5
	<i>Luxilus cornutus</i>	Common Shiner	1,3
	<i>Margariscus margarita</i>	Pearl Dace	4
	<i>Notropis heterolepis</i>	Blacknose Shiner	4
	<i>Phoxinus eos</i>	Northern Redbelly Dace	1,3
	<i>Phoxinus neogaeus</i>	Finescale Dace	3,4
	<i>Pimephales promelas</i>	Fathead Minnow	4
	<i>Rhinichthys atratulus</i>	Blacknose Dace	1,3
	<i>Rhinichthys cataractae</i>	Longnose Dace	1-4
	<i>Semotilus atromaculatus</i>	Creek Chub	1,4

#### CATOSTOMIDAE - SUCKERS

(L)	<i>Catostomus catostomus</i>	Longnose Sucker	1
	<i>Catostomus commersoni</i>	White Sucker	1,3,4

#### GADIDAE - CODFISHES

	<i>Lota lota</i>	Burbot	2-4
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	3,4
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CENTRARCHIDAE - SUNFISHES

Lepomis gibbosus	Pumpkinseed	5
Lepomis macrochirus	Bluegill	3
Micropterus dolomieu	Smallmouth Bass	3

PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	3
Perca flavescens	Yellow Perch	1,3

COTTIDAE - SCULPINS

Cottus bairdi	Mottled Sculpin	4
Cottus cognatus	Slimy Sculpin	3,4

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Survey Source:

1. MN Dept. of Conservation (Brule River): 1940-42
2. MDNR/Fisheries (Brule River): 1982
3. UM/Bell Museum (Brule River watershed): 1983
4. MDNR/Fisheries (Flute Reed River): 1982-86
5. Konrad Schmidt (Judge C.R. Magney State Park): 1979

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McCARTHY BEACH STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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SALMONIDAE - TROUTS		
Coregonus artedii	Tullibee	1,3-5
Coregonus clupeaformis	Lake Whitefish	2
(E) Oncorhynchus mykiss	Rainbow Trout	6
Salvelinus fontinalis	Brook Trout	6
UMBRIDAE - MUDMINNOWS		
Umbra limi	Central Mudminnow	8
ESOCIDAE - PIKES		
Esox lucius	Northern Pike	1-7
CYPRINIDAE - MINNOWS		
Luxilus cornutus	Common Shiner	6
Notemigonus crysoleucas	Golden Shiner	3-6
Notropis heterolepis	Blacknose Shiner	1
Notropis hudsonius	Spottail Shiner	1,2,4,5,7,8
Notropis volucellus	Mimic Shiner	8
Phoxinus eos	Northern Redbelly Dace	6,8
Phoxinus neogaeus	Finescale Dace	8
Pimephales notatus	Bluntnose Minnow	8
Pimephales promelas	Fathead Minnow	6,8
CATOSTOMIDAE - SUCKERS		
Catostomus commersoni	White Sucker	1-7
Ictiobus cyprinellus	Bigmouth Buffalo	2

<i>Moxostoma anisurum</i>	Silver Redhorse	1,2,4,5
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	1,2,5

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	1,3,4
<i>Ameiurus nebulosus</i>	Brown Bullhead	1,2,4,5
<i>Noturus gyrinus</i>	Tadpole Madtom	8

#### GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	5,6,8
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#### CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	1-5,8
<i>Lepomis gibbosus</i>	Pumpkinseed	1,2,5,7
<i>Lepomis macrochirus</i>	Bluegill	1-3,5,7,8
<i>Micropterus salmoides</i>	Largemouth Bass	1-3,5,7
<i>Pomoxis nigromaculatus</i>	Black Crappie	1-5,7

#### PERCIDAE - PERCHES

<i>Etheostoma exile</i>	Iowa Darter	8
<i>Etheostoma nigrum</i>	Johnny Darter	3-5,7,8
<i>Perca flavescens</i>	Yellow Perch	1-5,7,8
<i>Stizostedion vitreum</i>	Walleye	1-7

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#### Survey Source:

1. MDNR/Fisheries (Side Lake: 1973-89)
2. MDNR/Fisheries (Sturgeon Lake: 1980 and 1984)
3. MDNR/Fisheries (West Sturgeon: 1984 and 1990)

4. MDNR/Fisheries (Little Sturgeon: 1984 and 1990)
5. MDNR/Fisheries (South Sturgeon: 1955-90)
6. MDNR/Fisheries (Pickerel: 1989)
7. MDNR/Fisheries (Beatrice Lake: 1965-80)
8. Konrad Schmidt (McCarthy Beach State Park: 1992)

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#### MOOSE LAKE STATE PARK

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#### FAMILY

Scientific Name	Common Name	Survey
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#### ACIPENSERIDAE - STURGEONS

(S) Acipenser fulvescens	Lake Sturgeon	2
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#### UMBRIDAE - MUDMINNOWS

Umbra limi	Central Mudminnow	3
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#### ESOCIDAE - PIKES

Esox lucius	Northern Pike	1,2
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#### CYPRINIDAE - MINNOWS

Notemigonus crysoleucas	Golden Shiner	3
Pimephales notatus	Bluntnose Minnow	3
Pimephales promelas	Fathead Minnow	3

#### CATOSTOMIDAE - SUCKERS

Catostomus commersoni	White Sucker	2
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Moxostoma macrolepidotum	Shorthead Redhorse	2
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ICTALURIDAE - BULLHEAD CATFISHES

Ameiurus melas	Black Bullhead	3
Ameiurus natalis	Yellow Bullhead	1,2
Ameiurus nebulosus	Brown Bullhead	1
Noturus gyrinus	Tadpole Madtom	2

GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	3
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CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	1,2
Lepomis gibbosus	Pumpkinseed	1-3
Lepomis macrochirus	Bluegill	1-3
Micropterus salmoides	Largemouth Bass	1-3
Pomoxis nigromaculatus	Black Crappie	1-3

PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	3
Etheostoma nigrum	Johnny Darter	3
Perca flavescens	Yellow Perch	1-3
Percina caprodes	Logperch	2
Stizostedion vitreum	Walleye	1,2

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Survey Source:

1. MDNR/Fisheries (Echo Lake: 1990)
2. MDNR/Fisheries (Moose Lake: 1989)

3. Konrad Schmidt (Moose Lake State Park: 1992)

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SAVANNA PORTAGE STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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AMIIDAE - BOWFINS

<i>Amia calva</i>	Bowfin	1-3,6,9
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SALMONIDAE - TROUTS

<i>Coregonus artedii</i>	Cisco	2
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UMBRIDAE - MUDMINNOS

<i>Umbra limi</i>	Central Mudminnow	9
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ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	1-9
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CYPRINIDAE - MINNOS

<i>Hybognathus hankinsoni</i>	Brassy Minnow	9
<i>Luxilus cornutus</i>	Common Shiner	6,9
<i>Nocomis biguttatus</i>	Hornyhead Chub	9
<i>Notemigonus crysoleucas</i>	Golden Shiner	1,5,6,8,9
<i>Notropis heterolepis</i>	Blacknose Shiner	8,9
<i>Notropis hudsonius</i>	Spottail Shiner	9
<i>Phoxinus eos</i>	Northern Redbelly Dace	9



<i>Pimephales promelas</i>	Fathead Minnow	9
<i>Rhinichthys atratulus</i>	Blacknose Dace	9

#### CATOSTOMIDAE - SUCKERS

<i>Catostomus commersoni</i>	White Sucker	1-6,8,9
<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	2,3
<i>Moxostoma anisurum</i>	Silver Redhorse	2,3
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	1,3

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	2,5,7-9
<i>Ameiurus natalis</i>	Yellow Bullhead	2,3,6,7,9
<i>Ameiurus nebulosus</i>	Brown Bullhead	1-9
<i>Noturus gyrinus</i>	Tadpole Madtom	9

#### PERCOPSIDAE - TROUT-PERCHES

<i>Percopsis omiscomaycus</i>	Trout-perch	1
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#### GADIDAE - CODFISHES

<i>Lota lota</i>	Burbot	1,3
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#### GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	9
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#### CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	1-3,6,9
<i>Lepomis gibbosus</i>	Pumpkinseed	1,4-9
<i>Lepomis macrochirus</i>	Bluegill	3,6,7,9

Micropterus salmoides	Largemouth Bass	1,2,8
Pomoxis annularis	White Crappie	1
Pomoxis nigromaculatus	Black Crappie	2,3,6-9

PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	9
Etheostoma nigrum	Johnny Darter	1,9
Perca flavescens	Yellow Perch	1-9
Percina caprodes	Logperch	1
Stizostedion vitreum	Walleye	1-3,6

COTTIDAE - SCULPINS

Cottus bairdi	Mottled Sculpin	1
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Survey Source:

1. MDNR/Fisheries (Big Sandy Lake): 1927
2. MDNR/Fisheries (Big Sandy Lake): 1975
3. MDNR/Fisheries (Big Sandy Lake): 1982 and 1985
4. MDNR/Fisheries (Wolf Lake): 1971
5. MDNR/Fisheries (Wolf Lake): 1989
6. MDNR/Fisheries (Savanna Lake): 1982
7. MDNR/Fisheries (Remote Lake): 1984
8. MDNR/Fisheries (Shumway Lake): 1987
9. Konrad Schmidt (Savanna Portage State Park): 1989-90

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SCENIC STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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UMBRIDAE - MUDMINNOWS		
Umbra limi	Central Mudminnow	3
ESOCIDAE - PIKES		
Esox lucius	Northern Pike	1,2
CYPRINIDAE - MINNOWS		
Luxilus cornutus	Common Shiner	3
Notropis heterodon	Blackchin Shiner	3
Notropis heterolepis	Blacknose Shiner	2,3
Notropis hudsonius	Spottail Shiner	3
Phoxinus eos	Northern Redbelly Dace	3
Pimephales notatus	Bluntnose Minnow	3
Pimephales promelas	Fathead Minnow	3
Rhinichthys atratulus	Blacknose Dace	3
Semotilus atromaculatus	Creek Chub	3
CATOSTOMIDAE - SUCKERS		
Catostomus commersoni	White Sucker	1,2
ICTALURIDAE - BULLHEAD CATFISHES		
Ameiurus melas	Black Bullhead	1,3
Ameiurus nebulosus	Brown Bullhead	1,3
GASTEROSTEIDAE - STICKLEBACKS		

Culaea inconstans	Brook Stickleback	3
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CENTRARCHIDAE - SUNFISHES

Lepomis cyanellus	Green Sunfish	1
Lepomis gibbosus	Pumpkinseed	2,3
Lepomis macrochirus	Bluegill	1,3
(L) Lepomis megalotis	Longear Sunfish	3
Micropterus dolomieu	Smallmouth Bass	2
Micropterus salmoides	Largemouth Bass	1-3
Pomoxis nigromaculatus	Black Crappie	1

PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	3
Perca flavescens	Yellow Perch	1-3
Stizostedion vitreum	Walleye	1,2

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Survey Source:

1. MDNR/Fisheries (Coon-Sandwich Lakes: 1984)
2. MDNR/Fisheries (Lake of the Isles: 1971 and 1982)
3. MDNR/Fisheries (Marie: 1988)
4. Konrad Schmidt (Scenic State Park: 1992)

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SPLIT ROCK LIGHTHOUSE STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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SALMONIDAE - TROUTS

(E) Oncorhynchus mykiss	Rainbow Trout	2,3
Salvelinus fontinalis	Brook Trout	2

UMBRIDAE - MUDMINNOWS

Umbra limi	Central Mudminnow	4
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CYPRINIDAE - MINNOWS

Luxilus cornutus	Common Shiner	1
Margariscus margarita	Pearl Dace	2-4
Phoxinus eos	Northern Redbelly Dace	2-4
Phoxinus neogaeus	Finescale Dace	2-4
Pimephales promelas	Fathead Minnow	3,4
Rhinichthys atratulus	Blacknose Dace	2-4
Rhinichthys cataractae	Longnose Dace	1,2,4
Semotilus atromaculatus	Creek Chub	1-4

CATOSTOMIDAE - SUCKERS

(L) Catostomus catostomus	Longnose Sucker	1,3,4
Catostomus commersoni	White Sucker	1-4

PERCOPSIDAE - TROUT-PERCHES

Percopsis omiscomaycus	Trout-perch	1,4
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GADIDAE - CODFISHES

Lota lota	Burbot	2
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	1,3,4
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PERCIDAE - PERCHES

Perca flavescens	Yellow Perch	1
Percina caprodes	Logperch	1

COTTIDAE - SCULPINS

Cottus bairdi	Mottled Sculpin	1,2,4
Cottus cognatus	Slimy Sculpin	2,4

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Survey Source:

1. MN Dept. of Conservation (Split Rock River): 1940-42
2. MDNR/Fisheries (Split Rock River): 1978-84
3. UM/Bell Museum (Split Rock River watershed): 1984
4. Konrad Schmidt (Split Rock Lighthouse State Park): 1989

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TEMPERANCE RIVER STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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SALMONIDAE - TROUTS

(E) Oncorhynchus mykiss	Rainbow Trout	2,3
(E) Oncorhynchus tshawytscha	Chinook Salmon	2
(E) Salmo trutta	Brown Trout	1,2
Salvelinus fontinalis	Brook Trout	1-3

ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	1-3
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CYPRINIDAE - MINNOWS

<i>Luxilus cornutus</i>	Common Shiner	1-4
<i>Margariscus margarita</i>	Pearl Dace	1,3
<i>Notropis atherinoides</i>	Emerald Shiner	4
<i>Notropis heterolepis</i>	Blacknose Shiner	1,2
<i>Phoxinus eos</i>	Northern Redbelly Dace	1,3
<i>Phoxinus neogaeus</i>	Finescale Dace	1-3
<i>Rhinichthys atratulus</i>	Blacknose Dace	1-4
<i>Rhinichthys cataractae</i>	Longnose Dace	1-4
<i>Semotilus atromaculatus</i>	Creek Chub	1-4

CATOSTOMIDAE - SUCKERS

(L) <i>Catostomus catostomus</i>	Longnose Sucker	1,2
<i>Catostomus commersoni</i>	White Sucker	1-4

PERCOPSIDAE - TROUT\_PERCHES

<i>Percopsis omiscomaycus</i>	Trout-perch	2
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GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	1,3
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CENTRARCHIDAE - SUNFISHES

<i>Lepomis gibbosus</i>	Pumpkinseed	2
<i>Micropterus dolomieu</i>	Smallmouth Bass	3

PERCIDAE - PERCHES

<i>Etheostoma nigrum</i>	Johnny Darter	1-3
<i>Perca flavescens</i>	Yellow Perch	1,2
<i>Stizostedion vitreum</i>	Walleye	2

COTTIDAE - SCULPINS

<i>Cottus bairdi</i>	Mottled Sculpin	1,2
<i>Cottus cognatus</i>	Slimy Sculpin	1-3

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Survey Source:

1. MN Dept. of Conservation (Temperance River): 1940-42
2. MDNR/Fisheries (Temperance River): 1981 and 1988
3. UM/Bell Museum (Temperance River watershed): 1983
4. Konrad Schmidt (Temperance River State Park): 1989

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TETTEGOUCHE STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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SALMONIDAE - TROUTS

(E) <i>Oncorhynchus mykiss</i>	Rainbow Trout	2,4
(E) <i>Salmo trutta</i>	Brown Trout	2,4
<i>Salvelinus fontinalis</i>	Brook Trout	2-5

ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	6-9
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CYPRINIDAE - MINNOWS

(L) Couesius plumbeus	Lake Chub	4
Hybognathus hankinsoni	Brassy Minnow	1,4
Luxilus cornutus	Common Shiner	1,3,4
Margariscus margarita	Pearl Dace	1,4
Notemigonus crysoleucas	Golden Shiner	10
Notropis heterolepis	Blacknose Shiner	1,4
Phoxinus eos	Northern Redbelly Dace	1,4
Phoxinus neogaeus	Finescale Dace	4
Pimephales notatus	Bluntnose Minnow	1
Pimephales promelas	Fathead Minnow	1,4,10
Rhinichthys atratulus	Blacknose Dace	1,4,10
Rhinichthys cataractae	Longnose Dace	1,4,10
Semotilus atromaculatus	Creek Chub	1,4,10

CATOSTOMIDAE - SUCKERS

(L) Catostomus catostomus	Longnose Sucker	1
Catostomus commersoni	White Sucker	1,6-8,10

PERCOPSIDAE - TROUT-PERCHES

Percopsis omiscomaycus	Trout-perch	1
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GADIDAE - CODFISHES

Lota lota	Burbot	10
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	1,4
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CENTRARCHIDAE - SUNFISHES

Lepomis gibbosus	Pumpkinseed	1,7,10
Lepomis macrochirus	Bluegill	1

PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	5,10
Etheostoma nigrum	Johnny Darter	1,4,5
Perca flavescens	Yellow Perch	1,5,6,8-10
Percina caprodes	Logperch	10
Stizostedion vitreum	Walleye	8

COTTIDAE - SCULPINS

Cottus bairdi	Mottled Sculpin	5
Cottus cognatus	Slimy Sculpin	1

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Survey Source:

1. MN Dept. of Conservation (Baptism River): 1940-42
2. MDNR/Fisheries (Baptism River): 1961
3. MDNR/Fisheries (Baptism River): 1977
4. UM/Bell Museum (Baptism River watershed): 1983 and 1984
5. MDNR/Fisheries (Nicado Creek): 1980
6. MDNR/Fisheries (Mic Mac Lake): 1987
7. MDNR/Fisheries (Nicado Lake): 1987 and 1988
8. MDNR/Fisheries (Nipisiquit Lake) 1987
9. MDNR/Fisheries (Tettegouche Lake): 1987
10. Konrad Schmidt (Tettegouche State Park): 1989

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TOWER SOUDAN STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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SALMONIDAE - TROUTS

Coregonus artedii	Tullibee	1
Coregonus clupeaformis	Lake Whitefish	1

UMBRIDAE - MUDMINNOWS

Umbra limi	Central Mudminnow	2
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ESOCIDAE - PIKES

Esox lucius	Northern Pike	1
Esox masquinongy	Muskellunge	1

CYPRINIDAE - MINNOWS

Notemigonus crysoleucas	Golden Shiner	1
Notropis atherinoides	Emerald Shiner	1
Notropis dorsalis	Bigmouth Shiner	1
Notropis heterolepis	Blacknose Shiner	1
Notropis hudsonius	Spottail Shiner	1,2
Notropis volucellus	Mimic Shiner	1
Phoxinus neogaeus	Finescale Dace	1,2
Pimephales notatus	Bluntnose Minnow	1
Pimephales promelas	Fathead Minnow	1,2
Rhinichthys atratulus	Blacknose Dace	1,2

Rhinichthys cataractae	Longnose Dace	1,2
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CATOSTOMIDAE - SUCKERS

Catostomus commersoni	White Sucker	1,2
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Moxostoma macrolepidotum	Shorthead Redhorse	1
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ICTALURIDAE - BULLHEAD CATFISHES

Ameiurus melas	Black Bullhead	1,2
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Ameiurus nebulosus	Brown Bullhead	1
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Noturus gyrinus	Tadpole Madtom	1,2
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PERCOPSIDAE - TROUT-PERCHES

Percopsis omiscomaycus	Trout-perch	1,2
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GADIDAE - CODFISHES

Lota lota	Burbot	1
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	2
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(L) Pungitius pungitius	Ninespine Stickleback	1
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CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	1,2
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Lepomis gibbosus	Pumpkinseed	1,2
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Lepomis macrochirus	Bluegill	1,2
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Micropterus dolomieu	Smallmouth Bass	1
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Micropterus salmoides	Largemouth Bass	1
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Pomoxis nigromaculatus	Black Crappie	1
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PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	1
Etheostoma nigrum	Johnny Darter	1
Perca flavescens	Yellow Perch	1,2
Percina caprodes	Logperch	1
Stizostedion vitreum	Walleye	1,2

COTTIDAE - SCULPINS

Cottus bairdi	Mottled Sculpin	2
Cottus sp.	Sculpin species	1

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Survey Source:

1. MDNR/Fisheries (Lake Vermilion: 1941-87)
2. Konrad Schmidt (Tower - Soudan State Park: 1993)

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REGION 3 - CENTRAL

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BANNING STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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PETROMYZONTIDAE - LAMPREYS

Ichthyomyzon castaneus	Chestnut Lamprey	2,3
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<i>Ichthyomyzon unicuspis</i>	Silver Lamprey	1
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ACIPENSERIDAE - STURGEONS

(S) <i>Acipenser fulvescens</i>	Lake Sturgeon	1,2
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SALMONIDAE - TROUTS

(E) <i>Oncorhynchus mykiss</i>	Rainbow Trout	5
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<i>Salvelinus fontinalis</i>	Brook Trout	5
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UMBRIDAE - MUDMINNOWS

<i>Umbra limi</i>	Central Mudminnow	2,3,5,6
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ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	1-3,5,6
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<i>Esox masquinongy</i>	Muskellunge	2
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CYPRINIDAE - MINNOWS

<i>Cyprinella spiloptera</i>	Spotfin Shiner	2,3,5
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<i>Hybognathus hankinsoni</i>	Brassy Minnow	2,4,5
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<i>Luxilus cornutus</i>	Common Shiner	1-6
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<i>Margariscus margarita</i>	Pearl Dace	4,5
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<i>Nocomis biguttatus</i>	Hornyhead Chub	2,4,5
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<i>Notemigonus crysoleucas</i>	Golden Shiner	5
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<i>Notropis dorsalis</i>	Bigmouth Shiner	2,4,5
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<i>Notropis heterolepis</i>	Blacknose Shiner	2,4,5
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<i>Notropis hudsonius</i>	Spottail Shiner	5
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<i>Notropis stramineus</i>	Sand Shiner	3
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<i>Notropis volucellus</i>	Mimic Shiner	5
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<i>Phoxinus eos</i>	Northern Redbelly Dace	5
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<i>Phoxinus neogaeus</i>	Finescale Dace	5,6
<i>Pimephales notatus</i>	Bluntnose Minnow	5
<i>Pimephales promelas</i>	Fathead Minnow	5,6
<i>Rhinichthys atratulus</i>	Blacknose Dace	4-6
<i>Rhinichthys cataractae</i>	Longnose Dace	1-6
<i>Semotilus atromaculatus</i>	Creek Chub	1,3-6

#### CATOSTOMIDAE - SUCKERS

<i>Carpiodes cyprinus</i>	Quillback	2,3
<i>Catostomus commersoni</i>	White Sucker	1-6
<i>Hypentelium nigricans</i>	Northern Hog Sucker	1-3,5,6
<i>Moxostoma anisurum</i>	Silver Redhorse	2,3
(L) <i>Moxostoma carinatum</i>	River Redhorse	3
<i>Moxostoma erythrurum</i>	Golden Redhorse	5
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	1-3
(L) <i>Moxostoma valenciennesi</i>	Greater Redhorse	3

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	2,3,5,6
<i>Ameiurus natalis</i>	Yellow Bullhead	5,6
<i>Ameiurus nebulosus</i>	Brown Bullhead	5
<i>Ictalurus punctatus</i>	Channel Catfish	1-3
<i>Noturus flavus</i>	Stonecat	1-3,5
<i>Noturus gyrinus</i>	Tadpole Madtom	1,4,5

#### GADIDAE - CODFISHES

<i>Lota lota</i>	Burbot	1-6
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	4-6
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CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	1-3,5,6
Lepomis cyanellus	Green Sunfish	5,6
Lepomis gibbosus	Pumpkinseed	5
Lepomis macrochirus	Bluegill	2,3,5,6
Micropterus dolomieu	Smallmouth Bass	1-3,5
Micropterus salmoides	Largemouth Bass	2,3,5
Pomoxis nigromaculatus	Black Crappie	1-3,5,6

PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	5
Etheostoma nigrum	Johnny Darter	1-6
Perca flavescens	Yellow Perch	1-3,5
Percina caprodes	Logperch	1-3,5,6
(L) Percina evides	Gilt Darter	2,5
Percina maculata	Blackside Darter	5
Percina phoxocephala	Slenderhead Darter	2,5,6
Stizostedion vitreum	Walleye	1-3,5

SCIAENIDAE - DRUMS

Aplodinotus grunniens	Freshwater Drum	5
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COTTIDAE - SCULPINS

Cottus bairdi	Mottled Sculpin	1-5
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Survey Source:



1. MDNR/Ecological Services (Kettle River): 1954
2. MDNR/Ecological Services (Kettle River): 1970 and 1975
3. MDNR/Ecological Services (Kettle River): 1986
4. UM/Bell Museum (Kettle River watershed): 1960 and 1963
5. UM/Bell Museum (Kettle River watershed): 1977
6. Konrad Schmidt (Banning State Park): 1988-89

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#### CHARLES A. LINDBERGH STATE PARK

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#### FAMILY

Scientific Name	Common Name	Survey
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#### AMIIDAE - BOWFINS

<i>Amia calva</i>	Bowfin	1-4
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#### ANGUILLIDAE - FRESHWATER EELS

(L) <i>Anguilla rostrata</i>	American Eel	3
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#### UMBRIDAE - MUDMINNOWS

<i>Umbra limi</i>	Central Mudminnow	2,5,6
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#### ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	1-5
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<i>Esox masquinongy</i>	Muskellunge	1
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CYPRINIDAE - MINNOWS

<i>Campostoma anomalum</i>	Central Stoneroller	5,6
<i>Cyprinella spiloptera</i>	Spotfin Shiner	3,6
(E) <i>Cyprinus carpio</i>	Common Carp	1-4
<i>Hybognathus hankinsoni</i>	Brassy Minnow	3,5
<i>Luxilus cornutus</i>	Common Shiner	2-6
<i>Margariscus margarita</i>	Pearl Dace	5
<i>Nocomis biguttatus</i>	Hornyhead Chub	2-6
<i>Notropis atherinoides</i>	Emerald Shiner	2
<i>Notropis dorsalis</i>	Bigmouth Shiner	3
<i>Notropis heterodon</i>	Blackchin Shiner	4
<i>Notropis heterolepis</i>	Blacknose Shiner	2
<i>Notropis hudsonius</i>	Spottail Shiner	2,3
<i>Notropis stramineus</i>	Sand Shiner	3,6
<i>Notropis volucellus</i>	Mimic Shiner	3,5
<i>Phoxinus eos</i>	Northern Redbelly Dace	5
<i>Pimephales notatus</i>	Bluntnose Minnow	3,5,6
<i>Pimephales promelas</i>	Fathead Minnow	3-5
<i>Rhinichthys atratulus</i>	Blacknose Dace	4-6
<i>Rhinichthys cataractae</i>	Longnose Dace	2,3
<i>Semotilus atromaculatus</i>	Creek Chub	3,5,6

CATOSTOMIDAE - SUCKERS

<i>Catostomus commersoni</i>	White Sucker	1-5
<i>Hypentelium nigricans</i>	Northern Hog Sucker	1
<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	2-4
<i>Moxostoma anisurum</i>	Silver Redhorse	1-3

<i>Moxostoma erythrurum</i>	Golden Redhorse	1,2,5
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	1-4

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	2-6
<i>Ameiurus natalis</i>	Yellow Bullhead	1,3-6
<i>Ictalurus punctatus</i>	Channel Catfish	3
<i>Noturus gyrinus</i>	Tadpole Madtom	2,3,5,6

#### PERCOPSIDAE - TROUT-PERCHES

<i>Percopsis omiscomaycus</i>	Trout-perch	2,3
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#### GADIDAE - CODFISHES

<i>Lota lota</i>	Burbot	1-5
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#### CYPRINODONTIDAE - KILLIFISHES

<i>Fundulus diaphanus</i>	Banded Killifish	3
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#### ATHERINIDAE - SILVERSIDES

<i>Labidesthes sicculus</i>	Brook Silverside	2,3
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#### CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	1-6
<i>Lepomis cyanellus</i>	Green Sunfish	4
<i>Lepomis gibbosus</i>	Pumpkinseed	1-3
<i>Lepomis macrochirus</i>	Bluegill	1-4,6
<i>Micropterus dolomieu</i>	Smallmouth Bass	1-3
<i>Micropterus salmoides</i>	Largemouth Bass	2-4

Pomoxis annularis	White Crappie	2,3
Pomoxis nigromaculatus	Black Crappie	1-3

PERCIDAE - PERCHES

Etheostoma nigrum	Johnny Darter	2,3,5,6
Perca flavescens	Yellow Perch	1-4
Percina caprodes	Logperch	2-5
Stizostedion vitreum	Walleye	1-5

SCIAENIDAE - DRUMS

Aplodinotus grunniens	Freshwater Drum	3
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COTTIDAE - SCULPINS

Cottus bairdi	Mottled Sculpin	6
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Survey Source:

1. MDNR/Ecological Services (Mississippi River-Brainerd to Elk River): 1965
2. MDNR/Fisheries (Mississippi River-Brainerd to St. Cloud Dam): 1987
3. MDNR/Ecological Services (Mississippi River-St. Cloud to Fridley): 1974
4. MDNR/Fisheries (Swan River): 1986
5. MDNR/Fisheries (Little Elk River): 1985
6. Konrad Schmidt (Charles A. Lindbergh State Park): 1989

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CROW WING STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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AMIIDAE - BOWFINS

<i>Amia calva</i>	Bowfin	1,2,4,5
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SALMONIDAE - TROUTS

<i>Coregonus artedii</i>	Cisco	4
(E) <i>Salmo trutta</i>	Brown Trout	4
<i>Salvelinus fontinalis</i>	Brook Trout	4

UMBRIDAE - MUDMINNOWS

<i>Umbra limi</i>	Central Mudminnow	2-4,5
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ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	1-6
<i>Esox masquinongy</i>	Muskellunge	1

CYPRINIDAE - MINNOWS

<i>Cyprinella spiloptera</i>	Spotfin Shiner	3,4,6
(E) <i>Cyprinus carpio</i>	Common Carp	1,2,5
<i>Macrhybopsis storeriana</i>	Silver Chub	6
<i>Nocomis biguttatus</i>	Hornyhead Chub	2-6
<i>Luxilus cornutus</i>	Common Shiner	2-6

<i>Margariscus margarita</i>	Pearl Dace	4
<i>Notemigonus crysoleucas</i>	Golden Shiner	3,5
<i>Notropis atherinoides</i>	Emerald Shiner	2,5
<i>Notropis blennius</i>	River Shiner	4
<i>Notropis dorsalis</i>	Bigmouth Shiner	3,6
<i>Notropis heterodon</i>	Blackchin Shiner	3-5
<i>Notropis heterolepis</i>	Blacknose Shiner	2-4
<i>Notropis hudsonius</i>	Spottail Shiner	2,3,6
<i>Notropis stramineus</i>	Sand Shiner	5,6
<i>Notropis volucellus</i>	Mimic Shiner	3,4,6
<i>Phoxinus eos</i>	Northern Redbelly Dace	3
<i>Pimephales notatus</i>	Bluntnose Minnow	3-6
<i>Pimephales promelas</i>	Fathead Minnow	3,4
<i>Rhinichthys atratulus</i>	Blacknose Dace	3,4
<i>Rhinichthys cataractae</i>	Longnose Dace	2,4
<i>Semotilus atromaculatus</i>	Creek Chub	3,4,6

#### CATOSTOMIDAE - SUCKERS

<i>Catostomus commersoni</i>	White Sucker	1-6
<i>Hypentelium nigricans</i>	Northern Hog Sucker	1
<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	2
<i>Moxostoma anisurum</i>	Silver Redhorse	1,2,4,5
<i>Moxostoma erythrurum</i>	Golden Redhorse	1,2,5
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	1,2,4,5
(L) <i>Moxostoma valenciennesi</i>	Greater Redhorse	4

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	2-5
<i>Ameiurus natalis</i>	Yellow Bullhead	1,4,5

Ameiurus nebulosus	Brown Bullhead	4
Noturus gyrinus	Tadpole Madtom	2-6

PERCOPSIDAE - TROUT-PERCHES

Percopsis omiscomaycus	Trout-perch	2,4,6
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GADIDAE - CODFISHES

Lota lota	Burbot	1,2,4,5
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CYPRINODONTIDAE - KILLIFISHES

Fundulus diaphanus	Banded Killifish	3,4,6
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ATHERINIDAE - SILVERSIDES

Labidesthes sicculus	Brook Silverside	2,6
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	3
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CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	1-6
Lepomis cyanellus	Green Sunfish	3
Lepomis gibbosus	Pumpkinseed	1-5
Lepomis macrochirus	Bluegill	1,2,4-6
Micropterus dolomieu	Smallmouth Bass	1,2,4-6
Micropterus salmoides	Largemouth Bass	2-5
Pomoxis annularis	White Crappie	2
Pomoxis nigromaculatus	Black Crappie	1,2,4-6

PERCIDAE - PERCHES

<i>Etheostoma exile</i>	Iowa Darter	3
<i>Etheostoma microperca</i>	Least Darter	3,4
<i>Etheostoma nigrum</i>	Johnny Darter	2-4,6
<i>Perca flavescens</i>	Yellow Perch	1-6
<i>Percina caprodes</i>	Logperch	2-6
<i>Stizostedion vitreum</i>	Walleye	1,2,4-6

COTTIDAE - SCULPINS

<i>Cottus bairdi</i>	Mottled Sculpin	4-6
<i>Cottus cognatus</i>	Slimy Sculpin	3,4

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Survey Source:

1. MDNR/Ecological Services (Mississippi River-Brainerd to Elk River): 1965
2. MDNR/Fisheries (Mississippi River-Brainerd to St. Cloud Dam): 1987
3. UM/Bell Museum (Crow Wing River watershed): 1963-67
4. MDNR/Ecological Services (Crow Wing River watershed): 1964-65
5. MDNR/Fisheries (Crow Wing River): 1986
6. Konrad Schmidt (Crow Wing State Park): 1989-92

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FATHER HENNEPIN STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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AMIIDAE - BOWFINS

<i>Amia calva</i>	Bowfin	1
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SALMONIDAE - TROUTS

<i>Coregonus artedii</i>	Tullibee	1
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UMBRIDAE - MUDMINNOWS

<i>Umbra limi</i>	Central Mudminnow	2,3
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ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	1-3
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<i>Esox masquinongy</i>	Muskellunge	1
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CYPRINIDAE - MINNOWS

<i>Cyprinella spiloptera</i>	Spotfin Shiner	1,2
(E) <i>Cyprinus carpio</i>	Common Carp	1,2
<i>Hybognathus hankinsoni</i>	Brassy Minnow	1
<i>Luxilus cornutus</i>	Common Shiner	1
<i>Margariscus margarita</i>	Pearl Dace	1
<i>Nocomis biguttatus</i>	Hornyhead Chub	1
<i>Notemigonus crysoleucas</i>	Golden Shiner	1,2
<i>Notropis atherinoides</i>	Emerald Shiner	1
<i>Notropis heterolepis</i>	Blacknose Shiner	2
<i>Notropis hudsonius</i>	Spottail Shiner	1-3
<i>Notropis stramineus</i>	Sand Shiner	1,2
<i>Notropis volucellus</i>	Mimic Shiner	1
<i>Pimephales notatus</i>	Bluntnose Minnow	1-3

CATOSTOMIDAE - SUCKERS

Catostomus commersoni	White Sucker	1,2
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ICTALURIDAE - BULLHEAD CATFISHES

Ameiurus melas	Black Bullhead	1,2
Ameiurus natalis	Yellow Bullhead	1,2
Ameiurus nebulosus	Brown Bullhead	1,2
Noturus gyrinus	Tadpole Madtom	1-3

PERCOPSIDAE - TROUT-PERCHES

Percopsis omiscomaycus	Trout-perch	1
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GADIDAE - CODFISHES

Lota lota	Burbot	1
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CYPRINODONTIDAE - KILLIFISHES

Fundulus diaphanus	Banded Killifish	1,2
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	1
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CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	1-3
Lepomis cyanellus	Green Sunfish	2
Lepomis gibbosus	Pumpkinseed	1,2
Lepomis macrochirus	Bluegill	1,2
Micropterus dolomieu	Smallmouth Bass	1
Micropterus salmoides	Largemouth Bass	1,2
Pomoxis annularis	White Crappie	2

Pomoxis nigromaculatus	Black Crappie	1,2
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PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	1-3
Etheostoma nigrum	Johnny Darter	1,2
Perca flavescens	Yellow Perch	1-3
Percina caprodes	Logperch	1
Stizostedion vitreum	Walleye	1

COTTIDAE - SCULPINS

Cottus bairdi	Mottled Sculpin	1,3
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Survey Source:

1. MDNR/Fisheries (Mille Lacs Lake: 1944-89)
2. Konrad Schmidt (Mille Lacs-Kathio State Park: 1989)
3. Konrad Schmidt (Father Hennepin State Park: 1992)

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INTERSTATE STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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PETROMYZONTIDAE - LAMPREYS

Ichthyomyzon castaneus	Chestnut Lamprey	3
Ichthyomyzon unicuspis	Silver Lamprey	3

ACIPENSERIDAE - STURGEONS

(S)	<i>Acipenser fulvescens</i>	Lake Sturgeon	2,4,5
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LEPISOSTEIDAE - GARS

	<i>Lepisosteus osseus</i>	Longnose Gar	5
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	<i>Lepisosteus platostomus</i>	Shortnose Gar	5
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AMIIDAE - BOWFINS

	<i>Amia calva</i>	Bowfin	3,5
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ANGUILLIDAE - FRESHWATER EELS

(L)	<i>Anguilla rostrata</i>	American Eel	5
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CLUPEIDAE - HERRINGS

(L)	<i>Alosa chrysochloris</i>	Skipjack Herring	7,8
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	<i>Dorosoma cepedianum</i>	Gizzard Shad	4,5
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HIODONTIDAE - MOONEYES

	<i>Hiodon alosoides</i>	Goldeye	5
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	<i>Hiodon tergisus</i>	Mooneye	3,5
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ESOCIDAE - PIKES

	<i>Esox lucius</i>	Northern Pike	3,5,6
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	<i>Esox masquinongy</i>	Muskellunge	5
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CYPRINIDAE - MINNOWS

	<i>Cyprinella spiloptera</i>	Spotfin Shiner	1,6
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(E)	<i>Cyprinus carpio</i>	Common Carp	3-6
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(L)	<i>Macrhybopsis aestivalis</i>	Speckled Chub	1
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	<i>Macrhybopsis storeriana</i>	Silver Chub	4,5
	<i>Notropis atherinoides</i>	Emerald Shiner	1,3,6
	<i>Notropis blennius</i>	River Shiner	1
	<i>Notropis heterolepis</i>	Blacknose Shiner	6
	<i>Notropis hudsonius</i>	Spottail Shiner	1,5,6
	<i>Notropis stramineus</i>	Sand Shiner	1,3,6
	<i>Notropis volucellus</i>	Mimic Shiner	1,3,6
(S)	<i>Opsopoeodus emiliae</i>	Pugnose Minnow	2
	<i>Pimephales notatus</i>	Bluntnose Minnow	1,3,6
	<i>Pimephales promelas</i>	Fathead Minnow	6
(L)	<i>Pimephales vigilax</i>	Bullhead Minnow	5

#### CATOSTOMIDAE - SUCKERS

	<i>Carpiodes carpio</i>	River Carpsucker	1,3
	<i>Carpiodes cyprinus</i>	Quillback	3-5
	<i>Carpiodes velifer</i>	Highfin Carpsucker	3
	<i>Catostomus commersoni</i>	White Sucker	3-5
(S)	<i>Cycleptus elongatus</i>	Blue Sucker	2,3
	<i>Hypentelium nigricans</i>	Northern Hog Sucker	1,3,6
	<i>Ictiobus bubalus</i>	Smallmouth Buffalo	3-5
	<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	5
	<i>Minytrema melanops</i>	Spotted Sucker	3-5
	<i>Moxostoma anisurum</i>	Silver Redhorse	3-6
(L)	<i>Moxostoma carinatum</i>	River Redhorse	3-5
	<i>Moxostoma erythrurum</i>	Golden Redhorse	1,3,4
	<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	4-5

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	5
<i>Ameiurus natalis</i>	Yellow Bullhead	3
<i>Ictalurus punctatus</i>	Channel Catfish	3-5
<i>Noturus flavus</i>	Stonecat	1,6
<i>Pylodictis olivaris</i>	Flathead Catfish	1-5

PERCOPSIDAE - TROUT-PERCHES

<i>Percopsis omiscomaycus</i>	Trout-perch	4
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GADIDAE - CODFISHES

<i>Lota lota</i>	Burbot	1,5
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ATHERINIDAE - SILVERSIDES

<i>Labidesthes sicculus</i>	Brook Silverside	1,3,5,6
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PERCICHTHYIDAE - TEMPERATE BASSES

<i>Morone chrysops</i>	White Bass	1-5
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CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	3,5,6
<i>Lepomis gibbosus</i>	Pumpkinseed	5
<i>Lepomis humilis</i>	Orangespotted Sunfish	1
<i>Lepomis macrochirus</i>	Bluegill	3-6
<i>Micropterus dolomieu</i>	Smallmouth Bass	3,5,6
<i>Micropterus salmoides</i>	Largemouth Bass	1,3
<i>Pomoxis annularis</i>	White Crappie	3-5
<i>Pomoxis nigromaculatus</i>	Black Crappie	3,5

PERCIDAE - PERCHES

(S) <i>Ammocrypta asprella</i>	Crystal Darter	2
(L) <i>Ammocrypta clara</i>	Western Sand Darter	1,3,6
(L) <i>Etheostoma asprigene</i>	Mud Darter	6
<i>Etheostoma caeruleum</i>	Rainbow Darter	1,6
<i>Etheostoma flabellare</i>	Fantail Darter	1
<i>Etheostoma nigrum</i>	Johnny Darter	1,6
<i>Perca flavescens</i>	Yellow Perch	3-6
<i>Percina caprodes</i>	Logperch	1-6
(L) <i>Percina evides</i>	Gilt Darter	1,3,6
<i>Percina maculata</i>	Blackside Darter	6
<i>Percina phoxocephala</i>	Slenderhead Darter	1,6
<i>Percina shumardi</i>	River Darter	1,6
<i>Stizostedion canadense</i>	Sauger	3-5
<i>Stizostedion vitreum</i>	Walleye	3-5

#### SCIAENIDAE - DRUMS

<i>Aplodinotus grunniens</i>	Freshwater Drum	3-6
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#### Survey Source:

1. UM/Bell Museum (St. Croix River below Taylors Falls): 1960-68
2. WDNR/Research Bureau (St. Croix River Below Taylors Falls):  
1975-83 [Special Concern species only]
3. MDNR/Ecological Services (St. Croix River below Taylors  
Falls): 1989
4. MDNR/Ecological Services (Lake St. Croix): 1967-68
5. MDNR/Fisheries (Lake St. Croix): 1967-68
6. Konrad Schmidt (Interstate State Park): 1989-92
7. Greene (St. Croix River-Hudson): 1908

8. Greene (St. Croix River-Hudson): 1928

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LAKE MARIA STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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AMIIDAE - BOWFINS

<i>Amia calva</i>	Bowfin	1-3
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ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	1-4
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CYPRINIDAE - MINNOWS

<i>Cyprinella spiloptera</i>	Spotfin Shiner	5
(E) <i>Cyprinus carpio</i>	Common Carp	1-3,5
<i>Luxilus cornutus</i>	Common Shiner	3
<i>Notemigonus crysoleucas</i>	Golden Shiner	3
<i>Notropis hudsonius</i>	Spottail Shiner	3
<i>Pimephales notatus</i>	Bluntnose Minnow	5
<i>Pimephales promelas</i>	Fathead Minnow	5

CATOSTOMIDAE - SUCKERS

<i>Catostomus commersoni</i>	White Sucker	1-3
<i>Ictiobus bubalus</i>	Smallmouth Buffalo	2
<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	3
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	2



ICTALURIDAE - BULLHEAD CATFISHES

Ameiurus melas	Black Bullhead	1-5
Ameiurus natalis	Yellow Bullhead	2,3
Ameiurus nebulosus	Brown Bullhead	1

ATHERINIDAE - SILVERSIDES

Labidesthes sicculus	Brook Silverside	3
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CENTRARCHIDAE - SUNFISHES

Lepomis cyanellus	Green Sunfish	5
Lepomis gibbosus	Pumpkinseed	3
Lepomis macrochirus	Bluegill	1-4
Micropterus dolomieu	Smallmouth Bass	2
Micropterus salmoides	Largemouth Bass	1-3
Pomoxis annularis	White Crappie	3
Pomoxis nigromaculatus	Black Crappie	1-3

PERCIDAE - PERCHES

Etheostoma nigrum	Johnny Darter	3
Perca flavescens	Yellow Perch	1-4
Percina caprodes	Logperch	1-3
Stizostedion vitreum	Walleye	1-3

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Survey Source:

1. MDNR/Fisheries (Silver Lake): 1958
2. MDNR/Fisheries (Silver Lake): 1980
3. MDNR/Fisheries (Silver Lake): 1986

4. MDNR/Fisheries (Lake Maria): 1983
5. Konrad Schmidt (Lake Maria State Park): 1990

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# MILLE LACS KATHIO STATE PARK

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## FAMILY

Scientific Name	Common Name	Survey
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## AMIIDAE - BOWFINS

Amia calva	Bowfin	3,5-7
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## UMBRIDAE - MUDMINNOWS

Umbra limi	Central Mudminnow	2,3,5,9
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## ESOCIDAE - PIKES

Esox lucius	Northern Pike	1,3,5-9
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## CYPRINIDAE - MINNOWS

Campostoma anomalum	Central Stoneroller	1,2,4,5
Cyprinella spiloptera	Spotfin Shiner	1-5,9
(E) Cyprinus carpio	Common Carp	1-3,5-7,9
Hybognathus hankinsoni	Brassy Minnow	1,2,4,5
Luxilus cornutus	Common Shiner	1-5,7
Margariscus margarita	Pearl Dace	2
Nocomis biguttatus	Hornyhead Chub	2-5
Notemigonus crysoleucas	Golden Shiner	2-5,8,9
Notropis atherinoides	Emerald Shiner	5,8

<i>Notropis dorsalis</i>	Bigmouth Shiner	1-5
<i>Notropis heterodon</i>	Blackchin Shiner	2
<i>Notropis heterolepis</i>	Blacknose Shiner	2,5,9
<i>Notropis hudsonius</i>	Spottail Shiner	2,3,5,6,9
<i>Notropis stramineus</i>	Sand Shiner	2,4,5,9
<i>Notropis volucellus</i>	Mimic Shiner	1-6
<i>Pimephales notatus</i>	Bluntnose Minnow	1-5,9
<i>Pimephales promelas</i>	Fathead Minnow	2-5
<i>Rhinichthys atratulus</i>	Blacknose Dace	2,3,5
<i>Rhinichthys cataractae</i>	Longnose Dace	2,3,5
<i>Semotilus atromaculatus</i>	Creek Chub	1-3

#### CATOSTOMIDAE - SUCKERS

<i>Catostomus commersoni</i>	White Sucker	1-9
<i>Moxostoma anisurum</i>	Silver Redhorse	1,3-5
<i>Moxostoma erythrurum</i>	Golden Redhorse	2
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	1,3,5-7

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	1-3,5-9
<i>Ameiurus natalis</i>	Yellow Bullhead	3-9
<i>Ameiurus nebulosus</i>	Brown Bullhead	2,3,5-7,9
<i>Noturus gyrinus</i>	Tadpole Madtom	2,3,5,8,9

#### PERCOPSIDAE - TROUT-PERCHES

<i>Percopsis omiscomaycus</i>	Trout-perch	1-5
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#### GADIDAE - CODFISHES

Lota lota	Burbot	2,3,5
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CYPRINODONTIDAE - KILLIFISHES

Fundulus diaphanus	Banded Killifish	2,9
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ATHERINIDAE - SILVERSIDES

Labidesthes sicculus	Brook Silverside	2
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	2
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CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	1,3-7,9
Lepomis cyanellus	Green Sunfish	2,4,5,9
Lepomis gibbosus	Pumpkinseed	2-7,9
Lepomis macrochirus	Bluegill	3-9
Micropterus dolomieu	Smallmouth Bass	1,3-6
Micropterus salmoides	Largemouth Bass	2,3,5-9
Pomoxis annularis	White Crappie	2,3,9
Pomoxis nigromaculatus	Black Crappie	3,5-7,9

PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	2-4,9
Etheostoma nigrum	Johnny Darter	2-6,9
Perca flavescens	Yellow Perch	1-7,9
Percina caprodes	Logperch	2-6
Stizostedion vitreum	Walleye	1,3,5,6

COTTIDAE - SCULPINS

Cottus bairdi

Mottled Sculpin

3

Survey Source:

1. MDNR/Fisheries (Rum River): 1958
2. UM/Bell Museum (Rum River watershed): 1960-65
3. MDNR/Ecological Services (Rum River): 1974
4. UM/Bell Museum (Rum River): 1983
5. MDNR/Fisheries (Rum River): 1983 and 1987
6. MDNR/Fisheries (Shakopee Lake): 1984
7. MDNR/Fisheries (Ogechie Lake): 1984
8. MDNR/Fisheries (Black Bass Lake): 1981 and 1986
9. Konrad Schmidt (Mille Lacs Kathio State Park) 1988-89

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ST. CROIX STATE PARK

FAMILY

Scientific Name

Common Name

Survey

PETROMYZONTIDAE - LAMPREYS

Ichthyomyzon castaneus	Chestnut Lamprey	2,3,12,15,19,21
(L) Ichthyomyzon gagei	Southern Brook Lamprey	18
Ichthyomyzon unicuspis	Silver Lamprey	1,7,12,15

ACIPENSERIDAE - STURGEONS

(S) Acipenser fulvescens	Lake Sturgeon	1,2,21,22
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SALMONIDAE - TROUTS

(E) <i>Oncorhynchus mykiss</i>	Rainbow Trout	5,12,14,15,18
(E) <i>Salmo trutta</i>	Brown Trout	12,15
<i>Salvelinus fontinalis</i>	Brook Trout	5,12,14,15,18

UMBRIDAE - MUDMINNOWS

<i>Umbra limi</i>	Central Mudminnow	2,3,5-9,11,12,14-17,22
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ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	1-3,5-7,12,14,15,21,22
<i>Esox masquinongy</i>	Muskellunge	2,12,21

CYPRINIDAE - MINNOWS

<i>Campostoma anomalum</i>	Central Stoneroller	15,19,21,22
<i>Cyprinella spiloptera</i>	Spotfin Shiner	2,3,5,14,19,20,22
(E) <i>Cyprinus carpio</i>	Common Carp	19,21
<i>Hybognathus hankinsoni</i>	Brassy Minnow	2,4,5,7,8,11-15,19,20
<i>Luxilus cornutus</i>	Common Shiner	1-8,10-16,19-22
<i>Margariscus margarita</i>	Pearl Dace	4,5,7,9,12,13,15,22
<i>Nocomis biguttatus</i>	Hornyhead Chub	2,4,5,7,8,10-15,19-22
<i>Notemigonus crysoleucas</i>	Golden Shiner	5,12,14,15,20,22
<i>Notropis dorsalis</i>	Bigmouth Shiner	2,4-8,11,13,15,19,20
<i>Notropis heterodon</i>	Blackchin Shiner	20
<i>Notropis heterolepis</i>	Blacknose Shiner	2,4,5,7,12-15,19,20,22
<i>Notropis hudsonius</i>	Spottail Shiner	5,17,19,21
<i>Notropis stramineus</i>	Sand Shiner	3,15,19-21
<i>Notropis volucellus</i>	Mimic Shiner	5,14,19-21
<i>Phoxinus eos</i>	Northern Redbelly Dace	5,7,14,15,22

<i>Phoxinus neogaeus</i>	Finescale Dace	5,8,12,15,16,20,22
<i>Pimephales notatus</i>	Bluntnose Minnow	5,19-21
<i>Pimephales promelas</i>	Fathead Minnow	5-7,10-12,14,15,17,19,22
<i>Rhinichthys atratulus</i>	Blacknose Dace	4-9,11-17,21,22
<i>Rhinichthys cataractae</i>	Longnose Dace	1-5,7,8,11-20,22
<i>Semotilus atromaculatus</i>	Creek Chub	1,3-7,9-20,22

#### CATOSTOMIDAE - SUCKERS

<i>Carpiodes carpio</i>	River Carpsucker	21
<i>Carpiodes cyprinus</i>	Quillback	2,3,21
<i>Carpiodes velifer</i>	Highfin Carpsucker	21
<i>Catostomus commersoni</i>	White Sucker	1-19,21,22
(S) <i>Cycleptus elongatus</i>	Blue Sucker	23
<i>Hypentelium nigricans</i>	Northern Hog Sucker	1-3,5-7,11,12,14,15,19-22
<i>Moxostoma anisurum</i>	Silver Redhorse	2,3,19,21,22
(L) <i>Moxostoma carinatum</i>	River Redhorse	3,21
<i>Moxostoma erythrurum</i>	Golden Redhorse	5,8,11,14,19-22
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	1-3,7,10,12,19-22
(L) <i>Moxostoma valenciennesi</i>	Greater Redhorse	3,21

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	2,3,5,10,12,14,15,17,20-22
<i>Ameiurus natalis</i>	Yellow Bullhead	5,15,21,22
<i>Ameiurus nebulosus</i>	Brown Bullhead	5,11
<i>Ictalurus punctatus</i>	Channel Catfish	1-3,19,21,22
<i>Noturus flavus</i>	Stonecat	1-3,5,8,12,19-21
<i>Noturus gyrinus</i>	Tadpole Madtom	1,4,5,11,19

PERCOPSIDAE - TROUT-PERCHES

Percopsis omiscomaycus	Trout-perch	19
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GADIDAE - CODFISHES

Lota lota	Burbot	1-5,7,12,15-22
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ATHERINOIDES - SILVERSIDES

Labidesthes sicculus	Brook Silversides	20,21
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	4,5,7-9,11-19,22
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CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	1-3,5,7,8,11,12,15,19-22
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Lepomis cyanellus	Green Sunfish	5,10,12,19,21,22
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Lepomis gibbosus	Pumpkinseed	5,15,21
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Lepomis macrochirus	Bluegill	2,3,5,10-12,15,19-22
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Micropterus dolomieu	Smallmouth Bass	1-3,5,7,11,12,14,15,19-22
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Pomoxis annularis	White Crappie	21
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Pomoxis nigromaculatus	Black Crappie	1-3,5,12,19-22
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Micropterus salmoides	Largemouth Bass	2,3,5,10,12,15,21,22
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PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	5,12,14,15,20,22
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Etheostoma nigrum	Johnny Darter	1-22
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Perca flavescens	Yellow Perch	1-3,5,8,11,12,14,15,19,21
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Percina caprodes	Logperch	1-3,5,11,12,19-22
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(L) Percina evides	Gilt Darter	2,5,12,19-22
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Percina maculata	Blackside Darter	5,7,8,11,12,14-17,20-22
Percina phoxocephala	Slenderhead Darter	2,5,19-22
Stizostedion vitreum	Walleye	1-3,5,12,16,17,19-22

#### SCIAENIDAE - DRUMS

Aplodinotus grunniens	Freshwater Drum	5,21
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#### COTTIDAE - SCULPINS

Cottus bairdi	Mottled Sculpin	1-5,9,11-15,18,22
Cottus cognatus	Slimy Sculpin	12,16,17

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#### Survey Source:

1. MDNR/Ecological Services (Kettle River): 1954
2. MDNR/Ecological Services (Kettle River): 1970 and 1975
3. MDNR/Ecological Services (Kettle River): 1986
4. UM/Bell Museum (Kettle River watershed): 1960 and 1963
5. UM/Bell Museum (Kettle River watershed): 1977
6. MDNR/Fisheries (Bear Creek): 1947
7. MDNR/Fisheries (Bear Creek): 1966 and 1968
8. UM/Bell Museum (Bear Creek): 1977
9. MDNR/Fisheries (Hay Creek) : 1968
10. MDNR/Fisheries (Clayton Lake): 1967
11. UM/Bell Museum (Sand Creek watershed): 1977
12. MDNR/Fisheries (Sand Creek): 1984
13. UM/Bell Museum (Crooked Creek): 1960
14. UM/Bell Museum (Crooked Creek watershed): 1977
15. MDNR/Fisheries (Crooked Creek): 1981-82

16. MDNR/Fisheries (Wilbur Brook): 1979
17. MDNR/Fisheries (Kenny Creek-Crooked Creek tributary): 1980
18. MDNR/Nongame (Crooked, Hay, Little Sand and Sand Creeks):  
1986
19. UM/Bell Museum (St. Croix River above Taylors Falls): 1960-69
20. UM/Bell Museum (St. Croix River above Taylors Falls): 1983
21. MDNR/Ecological Services (St. Croix River above Taylors  
Falls): 1989
22. Konrad Schmidt (St. Croix State Park): 1989-93
23. WDNR (St. Croix River-Burnett County): 1959 and 1979

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#### SCHOOLCRAFT STATE PARK

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#### FAMILY

Scientific Name	Common Name	Survey
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#### AMIIDAE - BOWFINS

<i>Amia calva</i>	Bowfin	1-6
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#### SALMONIDAE - TROUTS

<i>Coregonus artedii</i>	Cisco	3,6
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#### UMBRIDAE - MUDMINNOWS

<i>Umbra limi</i>	Central Mudminnow	7
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#### ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	1-7
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CYPRINIDAE - MINNOWS

<i>Cyprinella spiloptera</i>	Spotfin Shiner	1
<i>Luxilus cornutus</i>	Common Shiner	1,6,7
<i>Notemigonus crysoleucas</i>	Golden Shiner	1
<i>Notropis dorsalis</i>	Bigmouth Shiner	1
<i>Notropis heterodon</i>	Blackchin Shiner	1,6,7
<i>Notropis heterolepis</i>	Blacknose Shiner	1,5,7
<i>Notropis hudsonius</i>	Spottail Shiner	1,7
<i>Notropis stramineus</i>	Sand Shiner	7
<i>Notropis volucellus</i>	Mimic Shiner	1
<i>Pimephales notatus</i>	Bluntnose Minnow	1
<i>Pimephales promelas</i>	Fathead Minnow	1

CATOSTOMIDAE - SUCKERS

<i>Catostomus commersoni</i>	White Sucker	1-6
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	1

ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	1-5,7
<i>Ameiurus natalis</i>	Yellow Bullhead	1,3,6,7
<i>Ameiurus nebulosus</i>	Brown Bullhead	1,3,6
<i>Noturus gyrinus</i>	Tadpole Madtom	1

GADIDAE - CODFISHES

<i>Lota lota</i>	Burbot	1
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CYPRINODONTIDAE - KILLIFISHES

Fundulus diaphanus	Banded Killifish	1,6,7
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CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	1,2,5-7
Lepomis cyanellus	Green Sunfish	4
Lepomis gibbosus	Pumpkinseed	1-6
Lepomis macrochirus	Bluegill	1-7
Micropterus salmoides	Largemouth Bass	1-7
Pomoxis nigromaculatus	Black Crappie	1,3-6

PERCIDAE - PERCHES

Etheostoma nigrum	Johnny Darter	1
Perca flavescens	Yellow Perch	1-7
Percina caprodes	Logperch	1
Stizostedion vitreum	Walleye	1,2,6,7

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Survey Source:

1. MDNR/Ecological Services (Mississippi River between Lakes Winnibigosh and Pokegama): 1962
2. MDNR/Fisheries (Little Vermillion Lake): 1973
3. MDNR/Fisheries (Little Vermillion Lake): 1982
4. MDNR/Fisheries (Vermillion Lake): 1973
5. MDNR/Fisheries (Vermillion Lake): 1985
6. MDNR/Fisheries (Blackwater Lake): 1986-87
7. Konrad Schmidt (Schoolcraft State Park): 1989

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FAMILY		
Scientific Name	Common Name	Survey
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PETROMYZONTIDAE - LAMPREYS		
Ichthyomyzon castaneus	Chestnut Lamprey	6,8,10,11
ACIPENSERIDAE - STURGEONS		
(S) Acipenser fulvescens	Lake Sturgeon	6,10
UMBRIDAE - MUDMINNOWS		
Umbra limi	Central Mudminnow	11
ESOCIDAE - PIKES		
Esox lucius	Northern Pike	3,6,10,11
Esox masquinongy	Muskellunge	10
CYPRINIDAE - MINNOWS		
Campostoma anomalum	Central Stoneroller	2,3,5,8,10,11
Cyprinella spiloptera	Spotfin Shiner	1-3,5-9,11
(E) Cyprinus carpio	Common Carp	3,6,8,10
Hybognathus hankinsoni	Brassy Minnow	1-5,7-9
Luxilus cornutus	Common Shiner	1-5,7-11
Nocomis biguttatus	Hornyhead Chub	1-5,8-11
Notemigonus crysoleucas	Golden Shiner	2,5,9
(S) Notropis amnis	Pallid Shiner	12
Notropis dorsalis	Bigmouth Shiner	
1,2,5,6,8,9,11		

<i>Notropis heterodon</i>	Blackchin Shiner	2,9
<i>Notropis heterolepis</i>	Blacknose Shiner	2,8,9
<i>Notropis hudsonius</i>	Spottail Shiner	1,2,6,8,10
<i>Notropis stramineus</i>	Sand Shiner	1-3,5-11
<i>Notropis volucellus</i>	Mimic Shiner	2,8-11
<i>Phoxinus eos</i>	Northern Redbelly Dace	2
<i>Phoxinus neogaeus</i>	Finescale Dace	9
<i>Pimephales notatus</i>	Bluntnose Minnow	1-3,5-11
<i>Pimephales promelas</i>	Fathead Minnow	1-3,8,11
<i>Rhinichthys atratulus</i>	Blacknose Dace	2,5,10,11
<i>Rhinichthys cataractae</i>	Longnose Dace	1-5,7-9,11
<i>Semotilus atromaculatus</i>	Creek Chub	2,3,5,8,9,11

#### CATOSTOMIDAE - SUCKERS

<i>Carpiodes carpio</i>	River Carpsucker	10
<i>Carpiodes cyprinus</i>	Quillback	6,10
<i>Carpiodes velifer</i>	Highfin Carpsucker	10
<i>Catostomus commersoni</i>	White Sucker	1- 3,5,6,8,10,11
<i>Hypentelium nigricans</i>	Northern Hog Sucker	1-5,7-11
<i>Moxostoma anisurum</i>	Silver Redhorse	6,8,10
(L) <i>Moxostoma carinatum</i>	River Redhorse	10
<i>Moxostoma erythrurum</i>	Golden Redhorse	5,8,10
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	3,4,6,8-11
(L) <i>Moxostoma valenciennesi</i>	Greater Redhorse	10

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	5,9,10,11
<i>Ameiurus natalis</i>	Yellow Bullhead	10,11

<i>Ameiurus nebulosus</i>	Brown Bullhead	2,3
<i>Ictalurus punctatus</i>	Channel Catfish	6,8,10
<i>Noturus flavus</i>	Stonecat	2-4,7-11
<i>Noturus gyrinus</i>	Tadpole Madtom	8

PERCOPSIDAE - TROUT-PERCHES

<i>Percopsis omiscomaycus</i>	Trout-perch	1,2,6,8
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GADIDAE - CODFISHES

<i>Lota lota</i>	Burbot	1,2,8-11
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ATHERINIDAE - SILVERSIDES

<i>Labidesthes sicculus</i>	Brook Silverside	6,9-11
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GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	5,8,11
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CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	2,3,6,8-11
<i>Lepomis cyanellus</i>	Green Sunfish	8,10,11
<i>Lepomis gibbosus</i>	Pumpkinseed	10
<i>Lepomis macrochirus</i>	Bluegill	3,6,8-11
<i>Micropterus dolomieu</i>	Smallmouth Bass	3,6,8-11
<i>Micropterus salmoides</i>	Largemouth Bass	2,6,10
<i>Pomoxis annularis</i>	White Crappie	6,10,11
<i>Pomoxis nigromaculatus</i>	Black Crappie	5,6,8-11

PERCIDAE - PERCHES

<i>Etheostoma exile</i>	Iowa Darter	9,11
<i>Etheostoma nigrum</i>	Johnny Darter	1-11
<i>Perca flavescens</i>	Yellow Perch	1,2,5,6,8,10,11
<i>Percina caprodes</i>	Logperch	1-4,6-11
(L) <i>Percina evides</i>	Gilt Darter	2-4,7-11
<i>Percina maculata</i>	Blackside Darter	3,4,9-11
<i>Percina phoxocephala</i>	Slenderhead Darter	2,3,7-11
<i>Stizostedion vitreum</i>	Walleye	6,8-10

#### SCIAENIDAE - DRUMS

<i>Aplodinotus grunniens</i>	Freshwater Drum	6,10
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#### COTTIDAE - SCULPINS

<i>Cottus bairdi</i>	Mottled Sculpin	1
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#### Survey Source:

1. UM/Bell Museum (Sunrise River watershed): 1952-56
2. UM/Bell Museum (Sunrise River): 1960-69
3. UM/Bell Museum (Sunrise River): 1977
4. UM/Bell Museum (Sunrise River): 1983
5. UM/Bell Museum (Goose Creek): 1960-69
6. MDNR/Ecological Services (St. Croix River impoundment at  
Taylors Falls): 1959-63
7. UM/Bell Museum (St. Croix River above Taylors Falls): 1955-56
8. UM/Bell Museum (St. Croix River above Taylors Falls): 1960-69
9. UM/Bell Museum (St. Croix River above Taylors Falls): 1983
10. MDNR/Ecological Services (St. Croix River above Taylors  
Falls): 1989
11. Konrad Schmidt (Wild River State Park): 1983-92



12. Greene (St. Croix River-above Nevers dam): 1928

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REGION 4 - SOUTHWEST

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BIG STONE LAKE STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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ACIPENSERIDAE - STURGEONS

(S) Acipenser fulvescens	Lake Sturgeon	1
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CLUPEIDAE - HERRINGS

(L) Alosa chrysochloris	Skipjack Herring	2
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ESOCIDAE - PIKES

Esox lucius	Northern Pike	3
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CYPRINIDAE - MINNOWS

Campostoma anomalum	Central Stoneroller	3,5
(L) Campostoma oligolepis	Largescale Stoneroller	4
(E) Cyprinus carpio	Common Carp	3,4
Hybognathus hankinsoni	Brassy Minnow	5
Luxilus cornutus	Common Shiner	3-5

<i>Nocomis biguttatus</i>	Hornyhead Chub	4
<i>Notropis atherinoides</i>	Emerald Shiner	3,5
<i>Notropis dorsalis</i>	Bigmouth Shiner	3,5
<i>Notropis heterolepis</i>	Blacknose Shiner	4
<i>Notropis hudsonius</i>	Spottail Shiner	3-5
<i>Pimephales notatus</i>	Bluntnose Minnow	3-5
<i>Pimephales promelas</i>	Fathead Minnow	3,5
<i>Rhinichthys atratulus</i>	Blacknose Dace	4,5
<i>Semotilus atromaculatus</i>	Creek Chub	3,5

#### CATOSTOMIDAE - SUCKERS

<i>Carpionodes cyprinus</i>	Quillback	3
<i>Catostomus commersoni</i>	White Sucker	3-5
<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	3
<i>Moxostoma erythrurum</i>	Golden Redhorse	3
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	3

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	3-5
<i>Ameiurus natalis</i>	Yellow Bullhead	3,4
<i>Ameiurus nebulosus</i>	Brown Bullhead	3
<i>Ictalurus punctatus</i>	Channel Catfish	3
<i>Noturus gyrinus</i>	Tadpole Madtom	3

#### GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	4,5
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#### PERCICHTHYIDAE - TEMPERATE BASSES

White Bass	Morone chrysops	3
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CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	3
Lepomis humilis	Orangespotted Sunfish	3
Lepomis macrochirus	Bluegill	3
Micropterus salmoides	Largemouth Bass	3
Pomoxis annularis	White Crappie	3
Pomoxis nigromaculatus	Black Crappie	3

PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	5
Etheostoma nigrum	Johnny Darter	3-5
Perca flavescens	Yellow Perch	3,5
Stizostedion vitreum	Walleye	3

SCIAENIDAE - DRUMS

Aplodinotus grunniens	Freshwater Drum	3
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Survey Sources:

1. Big Stone County Historical Society newspaper article and  
photo (Big Stone Lake: 1940s)
2. Northern Fishes Second Edition (Big Stone Lake: 1920)
3. MDNR/Fisheries (Big Stone Lake: 1987 and 1990)
4. MDNR/Fisheries (Meadowbrook Creek: 1989)
5. Konrad Schmidt (Big Stone Lake State Park: 1992)

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BLUE MOUNDS STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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ESOCIDAE - PIKES

Esox lucius	Northern Pike	2,5,6
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CYPRINIDAE - MINNOWS

Campostoma anomalum	Central Stoneroller	3-6
(L) Cyprinella lutrensis	Red Shiner	3-5
Cyprinella spiloptera	Spotfin Shiner	2,3
(E) Cyprinus carpio	Common Carp	1,4,6
Hybognathus hankinsoni	Brassy Minnow	3-6
Luxilus cornutus	Common Shiner	2-6
Nocomis biguttatus	Hornyhead Chub	4
Notemigonus crysoleucas	Golden Shiner	3
Notropis dorsalis	Bigmouth Shiner	3-6
Notropis heterolepis	Blacknose Shiner	3,6
Notropis stramineus	Sand Shiner	3-6
(S) Notropis topeka	Topeka Shiner	1,3-6
Phoxinus erythrogaster	Southern Redbelly Dace	4
Pimephales notatus	Bluntnose Minnow	3-6
Pimephales promelas	Fathead Minnow	1-6
Rhinichthys atratulus	Blacknose Dace	3-5
Semotilus atromaculatus	Creek Chub	3-6

CATOSTOMIDAE - SUCKERS

Carpiodes carpio	River Carpsucker	4
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<i>Carpiodes cyprinus</i>	Quillback	4,5
<i>Carpiodes velifer</i>	Highfin Carpsucker	4
<i>Catostomus commersoni</i>	White Sucker	1,3-6
<i>Moxostoma anisurum</i>	Silver Redhorse	4
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	4,5

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	1,2,4-6
<i>Ictalurus punctatus</i>	Channel Catfish	5
<i>Noturus flavus</i>	Stonecat	4,5
<i>Noturus gyrinus</i>	Tadpole Madtom	4-6

#### PERCOPSIDAE - TROUT-PERCHES

<i>Percopsis omiscomaycus</i>	Trout-perch	3-5
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#### CYPRINODONTIDAE - KILLIFISHES

(S) <i>Fundulus sciadicus</i>	Plains Topminnow	4
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#### GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	4
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#### CENTRARCHIDAE - SUNFISHES

<i>Lepomis cyanellus</i>	Green Sunfish	1,4-6
<i>Lepomis humilis</i>	Orangespotted Sunfish	1,4-6
<i>Lepomis macrochirus</i>	Bluegill	2
<i>Micropterus salmoides</i>	Largemouth Bass	2
<i>Pomoxis nigromaculatus</i>	Black Crappie	1,6

PERCIDAE - PERCHES

<i>Etheostoma exile</i>	Iowa Darter	4-6
<i>Etheostoma nigrum</i>	Johnny Darter	3-6
<i>Perca flavescens</i>	Yellow Perch	2,4,5
<i>Percina maculata</i>	Blackside Darter	4,5
<i>Percina shumardi</i>	River Darter	3
<i>Stizostedion vitreum</i>	Walleye	2

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Survey Source:

1. MDNR/Fisheries (Upper and Lower Mound Lakes): 1947
2. MDNR/Fisheries (Lower Mound Lake): 1985 and 1987
3. UM/Bell Museum (Rock River watershed): 1954-55
4. UM/Bell Museum (Rock River watershed): 1973-74
5. UM/Bell Museum (Rock River watershed): 1984
6. Konrad Schmidt (Blue Mounds State Park): 1983-89

CAMDEN STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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CLUPEIDAE - HERRINGS

<i>Dorosoma cepedianum</i>	Gizzard Shad	4
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SALMONIDAE - TROUTS

(E) <i>Salmo trutta</i>	Brown Trout	4-6,8
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ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	3,4,6
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CYPRINIDAE - MINNOWS

<i>Campostoma anomalum</i>	Central Stoneroller	1-8
<i>Cyprinella spiloptera</i>	Spotfin Shiner	1-3
(E) <i>Cyprinus carpio</i>	Common Carp	3,4,8
<i>Hybognathus hankinsoni</i>	Brassy Minnow	1,3,5,7,8
<i>Luxilus cornutus</i>	Common Shiner	1,3-8
<i>Nocomis biguttatus</i>	Hornyhead Chub	1,3-8
<i>Notropis atherinoides</i>	Emerald Shiner	2,4
<i>Notropis blennius</i>	River Shiner	4
<i>Notropis dorsalis</i>	Bigmouth Shiner	1-5,7,8
<i>Notropis heterolepis</i>	Blacknose Shiner	4
<i>Notropis rubellus</i>	Rosyface Shiner	1
<i>Notropis stramineus</i>	Sand Shiner	1-4
<i>Notropis texanus</i>	Weed Shiner	6
<i>Phoxinus eos</i>	Northern Redbelly Dace	7
<i>Pimephales notatus</i>	Bluntnose Minnow	1-4,6-8
<i>Pimephales promelas</i>	Fathead Minnow	1-4,6-8
<i>Rhinichthys atratulus</i>	Blacknose Dace	1,3-8
<i>Semotilus atromaculatus</i>	Creek Chub	1-8

CATOSTOMIDAE - SUCKERS

<i>Carpiodes cyprinus</i>	Quillback	4
<i>Catostomus commersoni</i>	White Sucker	3-8

<i>Hypentelium nigricans</i>	Northern Hog Sucker	1,4,6-8
<i>Moxostoma anisurum</i>	Silver Redhorse	4
<i>Moxostoma erythrurum</i>	Golden Redhorse	4,6-8

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	3,4,6-8
<i>Ictalurus punctatus</i>	Channel Catfish	4
<i>Noturus flavus</i>	Stonecat	2
<i>Noturus gyrinus</i>	Tadpole Madtom	3,4,6-8

#### GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	4,7
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#### PERCICHTHYIDAE - TEMPERATE BASSES

<i>Morone chrysops</i>	White Bass	4
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#### CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	4
<i>Lepomis cyanellus</i>	Green Sunfish	3,4,6-8
<i>Lepomis humilis</i>	Orangespotted Sunfish	3-5,8
<i>Lepomis macrochirus</i>	Bluegill	8
<i>Micropterus dolomieu</i>	Smallmouth Bass	2,4

#### PERCIDAE - PERCHES

<i>Etheostoma exile</i>	Iowa Darter	1,6,7
<i>Etheostoma flabellare</i>	Fantail Darter	1,3-8
<i>Etheostoma nigrum</i>	Johnny Darter	1,3-8
<i>Perca flavescens</i>	Yellow Perch	3,5
<i>Percina maculata</i>	Blackside Darter	1-4



<i>Percina phoxocephala</i>	Slenderhead Darter	1,2
<i>Stizostedion canadense</i>	Sauger	4
<i>Stizostedion vitreum</i>	Walleye	4,6

#### SCIAENIDAE - DRUMS

<i>Aplodinotus grunniens</i>	Freshwater Drum	4
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#### Survey Source:

1. UM/Bell Museum (Redwood River): 1954-55
2. UM/Bell Museum (Redwood River): 1960
3. UM/Bell Museum (Redwood River watershed): 1973
4. MDNR/Fisheries (Redwood River): 1985-86
5. MDNR/Fisheries (Camden State Park): 1959
6. MDNR/Fisheries (Camden State Park): 1981
7. Konrad Schmidt (Camden State Park): 1987-89
8. MDNR/Ecological Services and MPCA (Camden State Park-Redwood River): 1990 and 1992

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#### FLANDRAU STATE PARK

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#### FAMILY

Scientific Name	Common Name	Survey
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#### LEPISOSTEIDAE - GARS

<i>Lepisosteus osseus</i>	Longnose Gar	3
<i>Lepisosteus platostomus</i>	Shortnose Gar	3

CLUPEIDAE - HERRINGS

Dorosoma cepedianum	Gizzard Shad	5
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SALMONIDAE - TROUTS

(E) Salmo trutta	Brown Trout	6
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ESOCIDAE - PIKES

Esox lucius	Northern Pike	5,6
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CYPRINIDAE - MINNOWS

Campostoma anomalum	Central Stoneroller	1-7
(E) Carassius auratus	Goldfish	2
Cyprinella spiloptera	Spotfin Shiner	1-7
(E) Cyprinus carpio	Common Carp	1,2,4-7
Hybognathus hankinsoni	Brassy Minnow	1-6
(L) Hybognathus nuchalis	Silvery Minnow	1
Luxilus cornutus	Common Shiner	1-7
(L) Macrhybopsis aestivalis	Speckled Chub	1,3
Macrhybopsis storeriana	Silver Chub	1,3
Nocomis biguttatus	Hornyhead Chub	4-6
Notropis atherinoides	Emerald Shiner	1-7
Notropis blennius	River Shiner	1
Notropis dorsalis	Bigmouth Shiner	1-7
Notropis heterolepis	Blacknose Shiner	5
Notropis rubellus	Rosyface Shiner	1,2
Notropis stramineus	Sand Shiner	1-7
Notropis volucellus	Mimic Shiner	6
Pimephales notatus	Bluntnose Minnow	1-7

<i>Pimephales promelas</i>	Fathead Minnow	1-7
<i>Rhinichthys atratulus</i>	Blacknose Dace	3,4,6
<i>Semotilus atromaculatus</i>	Creek Chub	1,3,4-7

#### CATOSTOMIDAE - SUCKERS

<i>Carpiodes carpio</i>	River Carpsucker	3,5,6
<i>Carpiodes cyprinus</i>	Quillback	1,4-6
<i>Carpiodes velifer</i>	Highfin Carpsucker	1,6
<i>Catostomus commersoni</i>	White Sucker	1,3-7
<i>Hypentelium nigricans</i>	Northern Hog Sucker	1,3-7
<i>Ictiobus bubalus</i>	Smallmouth Buffalo	3
<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	1,4,5
(L) <i>Ictiobus niger</i>	Black Buffalo	8
<i>Moxostoma anisurum</i>	Silver Redhorse	1,5,6
<i>Moxostoma erythrurum</i>	Golden Redhorse	1,3-7
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	1,5-7

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	1,4-6
<i>Ameiurus nebulosus</i>	Brown Bullhead	4
<i>Ictalurus punctatus</i>	Channel Catfish	1,3,5,6
<i>Noturus flavus</i>	Stonecat	1,3-7
<i>Noturus gyrinus</i>	Tadpole Madtom	5
<i>Pylodictis olivaris</i>	Flathead Catfish	6

#### GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	3-5
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PERCICHTHYIDAE - TEMPERATE BASSES

Morone chrysops	White Bass	3
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CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	5,6
Lepomis cyanellus	Green Sunfish	1,3-6
Lepomis humilis	Orangespotted Sunfish	1,3-6
Lepomis macrochirus	Bluegill	6
Micropterus dolomieu	Smallmouth Bass	1,4-6
Pomoxis annularis	White Crappie	3
Pomoxis nigromaculatus	Black Crappie	5,6

PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	1,4,5
Etheostoma flabellare	Fantail Darter	3-7
Etheostoma nigrum	Johnny Darter	1,3-7
Etheostoma zonale	Banded Darter	1,2,4-7
Perca flavescens	Yellow Perch	5,6
Percina maculata	Blackside Darter	1-6
Percina phoxocephala	Slenderhead Darter	1-7
Stizostedion canadense	Sauger	5
Stizostedion vitreum	Walleye	1,6

SCIAENIDAE - DRUMS

Aplodinotus grunniens	Freshwater Drum	3,5-7
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Survey Source:

1. MDNR/Fisheries (Cottonwood River): 1948
2. UM/Bell Museum (Cottonwood River): 1954

3. UM/Bell Museum (Cottonwood River): 1960-63
4. UM/Bell Museum (Cottonwood River watershed): 1973 and 1978
5. MDNR/Fisheries (Cottonwood River): 1977-78
6. MDNR/Fisheries (Cottonwood River): 1983 and 1988
7. Konrad Schmidt (Flandrau State Park): 1987 and 1989
8. MDNR/Fisheries-angler's creel (Cottonwood River-New Ulm): 1990

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#### FORT RIDGELY STATE PARK

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#### FAMILY

Scientific Name	Common Name	Survey
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#### CYPRINIDAE - MINNOWS

<i>Campostoma anomalum</i>	Central Stoneroller	1,3
<i>Hybognathus hankinsoni</i>	Brassy Minnow	3
<i>Luxilus cornutus</i>	Common Shiner	1-3
<i>Nocomis biguttatus</i>	Hornyhead Chub	3
<i>Notropis dorsalis</i>	Bigmouth Shiner	1-3
<i>Notropis hudsonius</i>	Spottail Shiner	2
<i>Notropis stramineus</i>	Sand Shiner	1
<i>Pimephales notatus</i>	Bluntnose Minnow	2
<i>Pimephales promelas</i>	Fathead Minnow	2,3
<i>Rhinichthys atratulus</i>	Blacknose Dace	1-3
<i>Semotilus atromaculatus</i>	Creek Chub	1-3

#### CATOSTOMIDAE - SUCKERS

Catostomus commersoni	White Sucker	2,3
Hypentelium nigricans	Northern Hog Sucker	2

#### GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	3
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#### PERCIDAE - PERCHES

Etheostoma flabellare	Fantail Darter	1,3
Etheostoma nigrum	Johnny Darter	1-3

#### Survey Source:

1. MDNR/Fisheries (Fort Ridgely Creek): 1975-76
2. MDNR/Fisheries (Fort Ridgely Creek): 1980
3. Konrad Schmidt (Fort Ridgely State Park): 1987-89

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#### KILEN WOODS STATE PARK

#### FAMILY

Scientific Name	Common Name	Survey
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#### ESOCIDAE - PIKES

Esox lucius	Northern Pike	2-4
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#### CYPRINIDAE - MINNOWS

Campostoma anomalum	Central Stoneroller	1,2,4
Cyprinella spiloptera	Spotfin Shiner	1-3,5
(E) Cyprinus carpio	Common Carp	2-5

<i>Hybognathus hankinsoni</i>	Brassy Minnow	1,2
<i>Luxilus cornutus</i>	Common Shiner	1-3
<i>Notropis dorsalis</i>	Bigmouth Shiner	1,2,5
<i>Notropis stramineus</i>	Sand Shiner	1,2,5
<i>Pimephales notatus</i>	Bluntnose Minnow	1-3,5
<i>Pimephales promelas</i>	Fathead Minnow	1-3,5
<i>Rhinichthys atratulus</i>	Blacknose Dace	1,5
<i>Semotilus atromaculatus</i>	Creek Chub	2,5

#### CATOSTOMIDAE - SUCKERS

<i>Carpionotus carpio</i>	River Carpsucker	2,4
<i>Carpionotus cyprinus</i>	Quillback	2,3,5
<i>Catostomus commersoni</i>	White Sucker	2-5
<i>Ictiobus bubalus</i>	Smallmouth Buffalo	2
<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	2-4

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	2-5
<i>Ameiurus natalis</i>	Yellow Bullhead	2-4
<i>Ictalurus punctatus</i>	Channel Catfish	1,4,5
<i>Noturus gyrinus</i>	Tadpole Madtom	2

#### CENTRARCHIDAE - SUNFISHES

<i>Lepomis cyanellus</i>	Green Sunfish	2,4,5
<i>Lepomis humilis</i>	Orangespotted Sunfish	2,4
<i>Lepomis macrochirus</i>	Bluegill	4
<i>Pomoxis annularis</i>	White Crappie	2,4
<i>Pomoxis nigromaculatus</i>	Black Crappie	2-4

PERCIDAE - PERCHES

Etheostoma flabellare	Fantail Darter	1,2,5
Etheostoma nigrum	Johnny Darter	1,2,5
Perca flavescens	Yellow Perch	2,3
Percina maculata	Blackside Darter	1,2,5
Stizostedion vitreum	Walleye	2-4

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Survey Source:

1. UM/Bell Museum (Des Moines River): 1954
2. UM/Bell Museum (Des Moines River): 1973
3. MDNR/Fisheries (Des Moines River): 1979
4. MDNR/Fisheries (Des Moines River): 1987
5. Konrad Schmidt (Kilen Woods State Park): 1988-89

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LAC QUI PARLE STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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ACIPENSERIDAE - STURGEONS

(S) Scaphirhynchus platyrhynchus	Shovelnose Sturgeon	8,9
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LEPISOSTEIDAE - GARS

Lepisosteus platostomus	Shortnose Gar	8,9
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AMIIDAE - BOWFINS



Amia calva	Bowfin	4,8,9
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ANGUILLIDAE - FRESHWATER EEL

(L) Anguilla rostrata	American Eel	4,8
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CLUPEIDAE - HERRINGS

Dorosoma cepedianum	Gizzard Shad	7,8
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HIODONTIDAE - MOONEYES

Hiodon alosoides	Goldeye	8,9
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ESOCIDAE - PIKES

Esox lucius	Northern Pike	1,3-5,7-
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10

CYPRINIDAE - MINNOWS

Campostoma anomalum	Central Stoneroller	1,2,6-
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8,10

Cyprinella spiloptera	Spotfin Shiner	1-4,6-
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8,10

(E) Cyprinus carpio	Common Carp	1-5,7-10
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Hybognathus hankinsoni	Brassy Minnow	1,2,6,8
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Luxilus cornutus	Common Shiner	1-3,6-
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8,10

(L) Macrhybopsis aestivalis	Speckled Chub	6-8
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Macrhybopsis storeriana	Silver Chub	8
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Nocomis biguttatus	Hornyhead Chub	1-
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3,7,8,10

Notropis atherinoides	Emerald Shiner	5-8
Notropis dorsalis	Bigmouth Shiner	1,2,6-8
Notropis heterodon	Blackchin Shiner	7
Notropis hudsonius	Spottail Shiner	5,7,8
Notropis rubellus	Rosyface Shiner	2,3,10
Notropis stramineus	Sand Shiner	1-3,6-
8,10		
Phoxinus eos	Northern Redbelly Dace	2
Pimephales notatus	Bluntnose Minnow	1-4,6-
8,10		
Pimephales promelas	Fathead Minnow	1-4,6-
8,10		
Rhinichthys atratulus	Blacknose Dace	1,2,7,10
Semotilus atromaculatus	Creek Chub	1-3,7,8

#### CATOSTOMIDAE - SUCKERS

Carpiodes carpio	River Carpsucker	6-8
Carpiodes cyprinus	Quillback	1,5,7,8
Carpiodes velifer	Highfin Carpsucker	8
Catostomus commersoni	White Sucker	1-10
Hypentelium nigricans	Northern Hog Sucker	5,8,9
Ictiobus bubalus	Smallmouth Buffalo	8
Ictiobus cyprinellus	Bigmouth Buffalo	5,7,8
Moxostoma anisurum	Silver Redhorse	7-9
Moxostoma erythrurum	Golden Redhorse	1,5,7,8
Moxostoma macrolepidotum	Shorthead Redhorse	2-5,7-9
(L) Moxostoma valenciennesi	Greater Redhorse	8

#### ICTALURIDAE - BULLHEAD CATFISHES

Ameiurus melas	Black Bullhead	1-
5,7,8,10		
Ameiurus natalis	Yellow Bullhead	4,5,8
Ameiurus nebulosus	Brown Bullhead	4,5,8
Ictalurus punctatus	Channel Catfish	5-10
Noturus flavus	Stonecat	1,3,7,9
Noturus gyrinus	Tadpole Madtom	2,3
Pylodictis olivaris	Flathead Catfish	6-9

#### PERCICHTHYIDAE - TEMPERATE BASSES

Morone chrysops	White Bass	4,5,7,8
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#### CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	8
Lepomis cyanellus	Green Sunfish	2,3,7,10
Lepomis humilis	Orangespotted Sunfish	1-3,5-
8,10		
Lepomis macrochirus	Bluegill	5
Micropterus dolomieu	Smallmouth Bass	7,8
Micropterus salmoides	Largemouth Bass	5
Pomoxis annularis	White Crappie	4,5,7,8
Pomoxis nigromaculatus	Black Crappie	4,5,7,8

#### PERCIDAE - PERCHES

Etheostoma caeruleum	Rainbow Darter	7
Etheostoma exile	Iowa Darter	2,8
Etheostoma nigrum	Johnny Darter	1,2,6-
8,10		

Ettheostoma zonale	Banded Darter	7
Perca flavescens	Yellow Perch	1,5,7,8
Percina caprodes	Logperch	3
Percina maculata	Blackside Darter	1-3,6-
8,10		
Percina phoxocephala	Slenderhead Darter	1-3,6-
8,10		
Stizostedion canadense	Sauger	8,9
Stizostedion vitreum	Walleye	1,3-5,8,9

#### SCIAENIDAE - DRUMS

Aplodinotus grunniens	Freshwater Drum	3-5,7-10
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#### Survey Source:

1. UM/Bell Museum (Lac qui Parle River): 1960 and 1969
2. UM/Bell Museum (Lac qui Parle River watershed): 1973-74
3. MDNR/Fisheries (Lac qui Parle River-West Branch): 1987
4. MDNR/Fisheries (Lac qui Parle Lake): 1956
5. MDNR/Fisheries (Lac qui Parle Lake): 1981-87
6. UM/Bell Museum (Minnesota River): 1960 and 1963
7. UM/Bell Museum (Minnesota River): 1973 and 1976
8. MDNR/Ecological Services (Minnesota River): 1980 and 1982
9. MDNR/Nongame (Minnesota River): 1985
10. Konrad Schmidt (Lac qui Parle State Park): 1985-89

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LAKE SHETEK STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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ESOCIDAE - PIKES		
Esox lucius	Northern Pike	1-3
CYPRINIDAE - MINNOWS		
Campostoma anomalum	Central Stoneroller	1
Cyprinella spiloptera	Spotfin Shiner	1,2
(E) Cyprinus carpio	Common Carp	2,3,5
Hybognathus hankinsoni	Brassy Minnow	1,5
Luxilus cornutus	Common Shiner	1-3,5
Notropis dorsalis	Bigmouth Shiner	1
Notropis stramineus	Sand Shiner	1
Pimephales notatus	Bluntnose Minnow	1,2
Pimephales promelas	Fathead Minnow	1-5
Rhinichthys atratulus	Blacknose Dace	1
CATOSTOMIDAE - SUCKERS		
Carpionodes carpio	River Carpsucker	1-3
Carpionodes cyprinus	Quillback	1-3
Catostomus commersoni	White Sucker	1,2,5
Ictiobus bubalus	Smallmouth Buffalo	1
Ictiobus cyprinellus	Bigmouth Buffalo	1-3,5
ICTALURIDAE - BULLHEAD CATFISHES		
Ameiurus melas	Black Bullhead	1-5
Ameiurus natalis	Yellow Bullhead	1,2,5

Ictalurus punctatus	Channel Catfish	1,2
Noturus gyrinus	Tadpole Madtom	5

CENTRARCHIDAE - SUNFISHES

Lepomis cyanellus	Green Sunfish	1,2,5
Lepomis humilis	Orangespotted Sunfish	1-3,5
Lepomis macrochirus	Bluegill	2,3
Pomoxis annularis	White Crappie	1-3
Pomoxis nigromaculatus	Black Crappie	1-3,5

PERCIDAE - PERCHES

Etheostoma flabellare	Fantail Darter	1
Etheostoma nigrum	Johnny Darter	1,3,5
Perca flavescens	Yellow Perch	1-3,5
Percina maculata	Blackside Darter	1
Stizostedion vitreum	Walleye	1-5

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Survey Source:

1. UM/Bell Museum (Des Moines River: 1954 and 1973)
2. MDNR/Fisheries (Des Moines River: 1979 and 1987)
3. MDNR/Fisheries (Lake Shetek: 1983-89)
4. MDNR/Fisheries (Smith Lake: 1990)
5. Konrad Schmidt (Lake Shetek State Park: 1992)

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MINNEOPA STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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ACIPENSERIDAE - STURGEONS		
(S)	Scaphirhynchus platyrhynchus	Shovelnose Sturgeon 6,7
LEPISOSTEIDAE - GARS		
	Lepisosteus platostomus	Shortnose Gar 6,7
AMIIDAE - BOWFINS		
	Amia calva	Bowfin 6,7
ANGUILLIDAE - FRESHWATER EELS		
(L)	Anguilla rostrata	American Eel 6
CLUPEIDAE - HERRINGS		
	Dorosoma cepedianum	Gizzard Shad 1,5,6
HIODONTIDAE - MOONEYES		
	Hiodon alosoides	Goldeye 6,7
ESOCIDAE - PIKES		
	Esox lucius	Northern Pike 3,5-7
CYPRINIDAE - MINNOWS		
	Campostoma anomalum	Central Stoneroller 3-6,8
	Cyprinella spiloptera	Spotfin Shiner 1-6,8
(E)	Cyprinus carpio	Common Carp 3,5-8
	Hybognathus hankinsoni	Brassy Minnow 1-4,6,8
	Luxilus cornutus	Common Shiner 1-6,8

(L) <i>Macrhybopsis aestivalis</i>	Speckled Chub	4-6
<i>Macrhybopsis storeriana</i>	Silver Chub	6
<i>Nocomis biguttatus</i>	Hornyhead Chub	3,5,6
<i>Notemigonus crysoleucas</i>	Golden Shiner	3,6
<i>Notropis atherinoides</i>	Emerald Shiner	1-6,8
<i>Notropis dorsalis</i>	Bigmouth Shiner	1-6,8
<i>Notropis heterodon</i>	Blackchin Shiner	5
<i>Notropis hudsonius</i>	Spottail Shiner	5,6
<i>Notropis stramineus</i>	Sand Shiner	1,3-6,8
<i>Notropis volucellus</i>	Mimic Shiner	3
<i>Pimephales notatus</i>	Bluntnose Minnow	3-6,8
<i>Pimephales promelas</i>	Fathead Minnow	1-5,6,8
<i>Rhinichthys atratulus</i>	Blacknose Dace	2,3,5,8
<i>Semotilus atromaculatus</i>	Creek Chub	1-3,5,6,8

#### CATOSTOMIDAE - SUCKERS

<i>Carpiodes carpio</i>	River Carpsucker	4-6
<i>Carpiodes cyprinus</i>	Quillback	5,6,8
<i>Carpiodes velifer</i>	Highfin Carpsucker	3,6
<i>Catostomus commersoni</i>	White Sucker	3-8
<i>Hypentelium nigricans</i>	Northern Hog Sucker	3,5-7
<i>Ictiobus bubalus</i>	Smallmouth Buffalo	6
<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	5,6
<i>Moxostoma anisurum</i>	Silver Redhorse	5-7
<i>Moxostoma erythrurum</i>	Golden Redhorse	3,5,6,8
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	3,5-8
(L) <i>Moxostoma valenciennesi</i>	Greater Redhorse	6

#### ICTALURIDAE - BULLHEAD CATFISHES



<i>Ameiurus melas</i>	Black Bullhead	3,5,6,8
<i>Ameiurus natalis</i>	Yellow Bullhead	6
<i>Ameiurus nebulosus</i>	Brown Bullhead	6
<i>Ictalurus punctatus</i>	Channel Catfish	3-8
<i>Noturus flavus</i>	Stonecat	3,5-7
<i>Pylodictis olivaris</i>	Flathead Catfish	5-7

#### GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	2,3
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#### PERCICHTHYIDAE - TEMPERATE BASSES

<i>Morone chrysops</i>	White Bass	5,6
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#### CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	3,6
<i>Lepomis cyanellus</i>	Green Sunfish	2,3,5,8
<i>Lepomis gibbosus</i>	Pumpkinseed	8
<i>Lepomis humilis</i>	Orangespotted Sunfish	3-6,8
<i>Lepomis macrochirus</i>	Bluegill	3,8
<i>Micropterus dolomieu</i>	Smallmouth Bass	5,6
<i>Pomoxis annularis</i>	White Crappie	5,6
<i>Pomoxis nigromaculatus</i>	Black Crappie	3,5,6,8

#### PERCIDAE - PERCHES

<i>Etheostoma caeruleum</i>	Rainbow Darter	5
<i>Etheostoma exile</i>	Iowa Darter	6
<i>Etheostoma nigrum</i>	Johnny Darter	3-6,8
<i>Etheostoma zonale</i>	Banded Darter	5,8

<i>Perca flavescens</i>	Yellow Perch	3,5,6,8
<i>Percina caprodes</i>	Logperch	3
<i>Percina maculata</i>	Blackside Darter	3-6,8
<i>Percina phoxocephala</i>	Slenderhead Darter	4-6,8
<i>Stizostedion canadense</i>	Sauger	6,7
<i>Stizostedion vitreum</i>	Walleye	3,6,7

#### SCIAENIDAE - DRUMS

<i>Aplodinotus grunniens</i>	Freshwater Drum	1,5-7
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#### Survey Source:

1. UM/Bell Museum (Minneopa Creek): 1954
2. UM/Bell Museum (Minneopa Creek): 1973
3. MDNR/Fisheries (Minneopa Creek): 1982 and 1987
4. UM/Bell Museum (Minnesota River): 1960 and 1969
5. UM/Bell Museum (Minnesota River): 1973 and 1976
6. MDNR/Ecological Services (Minnesota River): 1980 and 1982
7. MDNR/Nongame (Minnesota River): 1985
8. Konrad Schmidt (Minneopa State Park): 1987-88

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#### MONSON LAKE STATE PARK

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#### FAMILY

Scientific Name	Common Name	Survey
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#### ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	1
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CYPRINIDAE - MINNOWS

Pimephales promelas	Fathead Minnow	1,2
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CATOSTOMIDAE - SUCKERS

Catostomus commersoni	White Sucker	1
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ICTALURIDAE - BULLHEAD CATFISHES

Ameiurus melas	Black Bullhead	1,2
Ameiurus natalis	Yellow Bullhead	1
Ameiurus nebulosus	Brown Bullhead	1

CENTRARCHIDAE - SUNFISHES

Lepomis cyanellus	Green Sunfish	1,2
Lepomis macrochirus	Bluegill	1,2
Micropterus salmoides	Largemouth Bass	1
Pomoxis nigromaculatus	Black Crappie	1

PERCIDAE - PERCHES

Perca flavescens	Yellow Perch	1
Stizostedion vitreum	Walleye	1

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Survey Source:

1. MDNR/Fisheries (Monson Lake: 1989 and 1990)
2. Konrad Schmidt (Monson Lake State Park: 1992)

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SIBLEY STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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AMIIDAE - BOWFINS

<i>Amia calva</i>	Bowfin	1,2
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UMBRIDAE - MUDMINNOWS

<i>Umbra limi</i>	Central Mudminnow	3,4
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ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	1-4
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CYPRINIDAE - MINNOWS

(E) <i>Cyprinus carpio</i>	Common Carp	1,3,4
<i>Hybognathus hankinsoni</i>	Brassy Minnow	4
<i>Notropis heterodon</i>	Blackchin Shiner	3
<i>Notropis heterolepis</i>	Blacknose Shiner	4
<i>Notropis hudsonius</i>	Spottail Shiner	1,2,4
<i>Phoxinus eos</i>	Northern Redbelly Dace	4
<i>Pimephales notatus</i>	Bluntnose Minnow	1,2,4
<i>Pimephales promelas</i>	Fathead Minnow	3,4
<i>Semotilus atromaculatus</i>	Creek Chub	3

CATOSTOMIDAE - SUCKERS

<i>Catostomus commersoni</i>	White Sucker	1-4
<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	2,4

ICTALURIDAE - BULLHEAD CATFISHES

Ameiurus melas	Black Bullhead	1,3,4
Ameiurus natalis	Yellow Bullhead	1-3
Ameiurus nebulosus	Brown Bullhead	2
Noturus gyrinus	Tadpole Madtom	4

CYPRINODONTIDAE - KILLIFISHES

Fundulus diaphanus	Banded Killifish	1,2,4
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	4
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CENTRARCHIDAE - SUNFISHES

Lepomis cyanellus	Green Sunfish	1,2,4
Lepomis gibbosus	Pumpkinseed	1-4
Lepomis humilis	Orangespotted Sunfish	3
Lepomis macrochirus	Bluegill	1-4
Micropterus salmoides	Largemouth Bass	1,2,4
Pomoxis nigromaculatus	Black Crappie	1-3

PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	3,4
Etheostoma nigrum	Johnny Darter	2-4
Perca flavescens	Yellow Perch	1-4
Stizostedion vitreum	Walleye	1,2

SCIAENIDAE- FRESHWATER DRUMS

Aplodinotus grunniens	Freshwater Drum	1,2
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Survey Source:

1. MDNR/Fisheries (Games Lake: 1987)
2. MDNR/Fisheries (Lake Andrew: 1987 and 1990)
3. MDNR/Fisheries (Shakopee Creek: 1985)
4. Konrad Schmidt (Sibley State Park: 1992)

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SPLIT ROCK CREEK STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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ESOCIDAE - PIKES

Esox lucius	Northern Pike	3,4
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CYPRINIDAE - MINNOWS

(L) Cyprinella lutrensis	Red Shiner	1,2,5
(E) Cyprinus carpio	Common Carp	1,2
Hybognathus hankinsoni	Brassy Minnow	1
Luxilus cornutus	Common Shiner	1,2
Notemigonus crysoleucas	Golden Shiner	3
Notropis dorsalis	Bigmouth Shiner	1,2
Notropis stramineus	Sand Shiner	1,2,5
(S) Notropis topeka	Topeka Shiner	5
Pimephales notatus	Bluntnose Minnow	1,2,5
Pimephales promelas	Fathead Minnow	1,2,5

Semotilus atromaculatus	Creek Chub	1,2
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CATOSTOMIDAE - SUCKERS

Carpionoxenus carpio	River Carpsucker	1
Catostomus commersoni	White Sucker	1-3
Moxostoma macrolepidotum	Shorthead Redhorse	2

ICTALURIDAE - BULLHEAD CATFISHES

Ameiurus melas	Black Bullhead	2-5
Ictalurus punctatus	Channel Catfish	4
Noturus flavus	Stonecat	2
Noturus gyrinus	Tadpole Madtom	2,5

CENTRARCHIDAE - SUNFISHES

Lepomis cyanellus	Green Sunfish	1,2,4,5
Lepomis gibbosus	Pumpkinseed	3,5
Lepomis humilis	Orangespotted Sunfish	1,2,5
Lepomis macrochirus	Bluegill	3-5
Micropterus salmoides	Largemouth Bass	3-5
Pomoxis nigromaculatus	Black Crappie	3-5

PERCIDAE - PERCHES

Etheostoma nigrum	Johnny Darter	1,2,5
Perca flavescens	Yellow Perch	3,4
Percina maculata	Blackside Darter	2
Stizostedion vitreum	Walleye	3,4

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Survey Source:

1. UM/Bell Museum (Split Rock Creek): 1973
2. MDNR/Fisheries (Split Rock Creek): 1987
3. MDNR/Fisheries (Split Rock Lake): 1982-86
4. MDNR/Fisheries (Split Rock Lake): 1987-88 [After Reclamation]
5. Konrad Schmidt (Split Rock Lake State Park):

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#### UPPER SIOUX AGENCY STATE PARK

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#### FAMILY

Scientific Name	Common Name	Survey
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#### ACIPENSERIDAE - STURGEONS

(S) Scaphirhynchus platyrhynchus	Shovelnose Sturgeon	8,9
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#### LEPISOSTEIDAE - GARS

Lepisosteus platostomus	Shortnose Gar	8,9,12
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#### AMIIDAE - BOWFINS

Amia calva	Bowfin	8,9
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#### ANGUILLIDAE - FRESHWATER EELS

(L) Anguilla rostrata	American Eel	8
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#### CLUPEIDAE - HERRINGS

Dorosoma cepedianum	Gizzard Shad	
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5,7,8,10,12



HIODONTIDAE - MOONEYES

Hiodon alosoides	Goldeye	8,9
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ESOCIDAE - PIKES

Esox lucius	Northern Pike	7-9,12
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CYPRINIDAE - MINNOWS

Campostoma anomalum	Central Stoneroller	
1-3,5-8,10-12		
(L) Campostoma oligolepis	Largescale Stoneroller	5,11,12
Cyprinella spiloptera	Spotfin Shiner	
1-3,5-8,10-12		
(E) Cyprinus carpio	Common Carp	3-5,7-10-
12		
Hybognathus hankinsoni	Brassy Minnow	1-
3,6,8,10		
Luxilus cornutus	Common Shiner	1,3,5-
8,11,12		
(L) Macrhybopsis aestivalis	Speckled Chub	6-8,10
Macrhybopsis storeriana	Silver Chub	8
Nocomis biguttatus	Hornyhead Chub	
1,3,5,7,8,10-12		
Notropis atherinoides	Emerald Shiner	2,5-8,10-
12		
Notropis blennioides	River Shiner	12
Notropis dorsalis	Bigmouth Shiner	1-3,6-8,10-
12		
Notropis heterodon	Blackchin Shiner	7

Notropis hudsonius	Spottail Shiner	
5,7,8,12		
Notropis rubellus	Rosyface Shiner	1,12
Notropis stramineus	Sand Shiner	1-3,5-8,10-
12		
Notropis volucellus	Mimic Shiner	5,12
Pimephales notatus	Bluntnose Minnow	3,5-8,10-
12		
Pimephales promelas	Fathead Minnow	2,3,5-
8,10,12		
Rhinichthys atratulus	Blacknose Dace	1,3,7,8
Rhinichthys cataractae	Longnose Dace	10,12
Semotilus atromaculatus	Creek Chub	
1-3,5,7,8,10-12		

#### CATOSTOMIDAE - SUCKERS

Carpiodes carpio	River Carpsucker	5-8,12
Carpiodes cyprinus	Quillback	
4,5,7,8,11,12		
Carpiodes velifer	Highfin Carpsucker	8
Catostomus commersoni	White Sucker	3,5-
10,12		
Hypentelium nigricans	Northern Hog Sucker	1-5,7-
12		
Ictiobus bubalus	Smallmouth Buffalo	8,12
Ictiobus cyprinellus	Bigmouth Buffalo	7,8
Moxostoma anisurum	Silver Redhorse	4,5,7-
9,11,12		
Moxostoma erythrurum	Golden Redhorse	

2,4,5,7,8,10-12

Moxostoma macrolepidotum	Shorthead Redhorse	2,5,7-9,10-12
(L) Moxostoma valenciennesi	Greater Redhorse	5,8

ICTALURIDAE - BULLHEAD CATFISHES

Ameiurus melas	Black Bullhead	3-5,7,8,12
Ameiurus natalis	Yellow Bullhead	8
Ameiurus nebulosus	Brown Bullhead	3,8
Ictalurus punctatus	Channel Catfish	2-12
Noturus flavus	Stonecat	1-5,7,9-12
Pylodictis olivaris	Flathead Catfish	7-10

GASTEROSTEIDAE - STICKLEBACKS

Brook Stickleback	Culaea inconstans	12
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PERCICHTHYIDAE - TEMPERATE BASSES

White Bass	Morone chrysops	3,4,7,8,10,12
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CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	3-5,8,12
Lepomis cyanellus	Green Sunfish	5,7,12
Lepomis humilis	Orangespotted Sunfish	2,3,5-8,11,12

Micropterus dolomieu	Smallmouth Bass	2- 5,7,8,11,12
Pomoxis annularis	White Crappie	2,7,8
Pomoxis nigromaculatus	Black Crappie	7,8

#### PERCIDAE - PERCHES

Etheostoma caeruleum	Rainbow Darter	1-3,5,7,10-12
Etheostoma exile	Iowa Darter	8
Etheostoma flabellare	Fantail Darter	1-3,5,10-12
Etheostoma nigrum	Johnny Darter	1-3,5-8,10-12
Etheostoma zonale	Banded Darter	1-3,5,7,10-12
Perca flavescens	Yellow Perch	3,7,8
Percina maculata	Blackside Darter	2,3,5-8,10-12
Percina phoxocephala	Slenderhead Darter	1-3,5-8,10-12

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Stizostedion canadense	Sauger	5,8,9,12
Stizostedion vitreum	Walleye	4,8,9,11,12

#### SCIAENIDAE - DRUMS

Aplodinotus grunniens	Freshwater Drum	4,5,7-10,12
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Survey Sources:

1. UM/Bell Museum (Yellow Medicine River): 1954
2. UM/Bell Museum (Yellow Medicine River): 1960
3. UM/Bell Museum (Yellow Medicine River watershed): 1973 and  
1976
4. MDNR/Fisheries (Yellow Medicine River): 1985
5. MDNR/Ecological Services (Yellow Medicine River): 1988
6. UM/Bell Museum (Minnesota River): 1960 and 1963
7. UM/Bell Museum (Minnesota River): 1973 and 1976
8. MDNR/Ecological Services (Minnesota River): 1980 and 1982
9. MDNR/Nongame (Minnesota River): 1985
10. Konrad Schmidt (Upper Sioux Agency State Park) 1984-93
11. MDNR/Ecological Services-River Surveys (Upper Sioux Agency  
State Park-Yellow Medicine River): 1990
12. MDNR/Ecological Services-Instream Flow (Upper Sioux Agency  
State Park-Yellow Medicine River): 1990-92

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REGION 5 SOUTHEAST

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BEAVER CREEK VALLEY STATE PARK

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FAMILY

Scientific Name

Common Name

Survey

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PETROMYZONTIDAE - LAMPREYS

(S) Lampetra appendix	American Brook Lamprey	3
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SALMONIDAE - TROUTS

(E) Oncorhynchus mykiss	Rainbow Trout	3
(E) Salmo trutta	Brown Trout	3-6
Salvelinus fontinalis	Brook Trout	5

CYPRINIDAE - MINNOWS

Campostoma anomalum	Central Stoneroller	1,4
Notropis dorsalis	Bigmouth Shiner	2
Phoxinus erythrogaster	Southern Redbelly Dace	3
Pimephales promelas	Fathead Minnow	2
Rhinichthys atratulus	Blacknose Dace	1-3,5
Rhinichthys cataractae	Longnose Dace	1,2,4
Semotilus atromaculatus	Creek Chub	1,3,4

CATOSTOMIDAE - SUCKERS

Catostomus commersoni	White Sucker	1-5
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	1,4,5
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PERCIDAE - PERCHES

Etheostoma flabellare	Fantail Darter	1-5
Etheostoma nigrum	Johnny Darter	1-4

COTTIDAE - SCULPINS

Cottus cognatus

Slimy Sculpin

1-6

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Survey Source:

1. MDNR/Fisheries (Beaver Creek): 1954
2. UM/Bell Museum (Beaver Creek): 1969 and 1974
3. MDNR/Fisheries (Beaver Creek): 1985
4. MDNR/Fisheries (East Beaver Creek): 1970
5. MDNR/Fisheries (East Beaver Creek): 1985
6. Konrad Schmidt (Beaver Creek Valley State Park): 1987

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CARLEY STATE PARK

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FAMILY

Scientific Name

Common Name

Survey

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SALMONIDAE - TROUTS

(E) Oncorhynchus mykiss	Rainbow Trout	1-3
(E) Salmo trutta	Brown Trout	2,3

UMBRIDAE - MUDMINNOWS

Umbra limi	Central Mudminnow	2
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CYPRINIDAE - MINNOWS

Campostoma anomalum	Central Stoneroller	1-4
(E) Cyprinus carpio	Common Carp	2,3
Hybognathus hankinsoni	Brassy Minnow	1,2

Notropis dorsalis	Bigmouth Shiner	1,2,4
Pimephales promelas	Fathead Minnow	1-4
Rhinichthys atratulus	Blacknose Dace	2,3
Rhinichthys cataractae	Longnose Dace	1-4
Semotilus atromaculatus	Creek Chub	1-4

#### CATOSTOMIDAE - SUCKERS

Catostomus commersoni	White Sucker	1-4
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#### ICTALURIDAE - BULLHEAD CATFISHES

Ameiurus melas	Black Bullhead	2,3
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#### CENTRARCHIDAE - SUNFISHES

Lepomis cyanellus	Green Sunfish	2
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#### PERCIDAE - PERCHES

Etheostoma flabellare	Fantail Darter	1-4
Etheostoma nigrum	Johnny Darter	1,2,4

#### COTTIDAE - SCULPINS

Cottus cognatus	Slimy Sculpin	1,2
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#### Survey Source:

1. MDNR/Fisheries (Whitewater River-North Branch): 1957
2. MDNR/Fisheries (Whitewater River-North Branch): 1977
3. MDNR/Fisheries (Whitewater River-North Branch): 1983-88
4. Konrad Schmidt (Carley State Park): 1984-89

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FORESTVILLE - MYSTERY CAVE STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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PETROMYZONTIDAE - LAMPREYS

(S) Lampetra appendix	American Brook Lamprey	3,4,8
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SALMONIDAE - TROUTS

(E) Oncorhynchus mykiss	Rainbow Trout	1,4,8
(E) Salmo trutta	Brown Trout	1,3-9
Salvelinus fontinalis	Brook Trout	4,6

ESOCIDAE - PIKES

Esox lucius	Northern Pike	3
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CYPRINIDAE - MINNOWS

Campostoma anomalum	Central Stoneroller	1-4,6,9
(E) Cyprinus carpio	Common Carp	3,9
Hybognathus hankinsoni	Brassy Minnow	6
Luxilus cornutus	Common Shiner	1-4,6
Nocomis biguttatus	Hornyhead Chub	2-4,9
Notropis dorsalis	Bigmouth Shiner	1,2,4,6,9
Notropis stramineus	Sand Shiner	3,4
(L) Phenacobius mirabilis	Suckermouth Minnow	4
Phoxinus eos	Northern Redbelly Dace	1
Phoxinus erythrogaster	Southern Redbelly Dace	6,9

<i>Pimephales notatus</i>	Bluntnose Minnow	1-4
<i>Pimephales promelas</i>	Fathead Minnow	4,6,9
<i>Rhinichthys atratulus</i>	Blacknose Dace	1-4,9
<i>Rhinichthys cataractae</i>	Longnose Dace	1-5,7,9
<i>Semotilus atromaculatus</i>	Creek Chub	1-4,6,9

#### CATOSTOMIDAE - SUCKERS

<i>Catostomus commersoni</i>	White Sucker	1-9
<i>Hypentelium nigricans</i>	Northern Hog Sucker	1,3,4,9
<i>Moxostoma anisurum</i>	Silver Redhorse	4
<i>Moxostoma erythrurum</i>	Golden Redhorse	3,4
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	4

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	3
<i>Noturus flavus</i>	Stonecat	2,3

#### GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	4-6,9
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#### CENTRARCHIDAE - SUNFISHES

<i>Lepomis cyanellus</i>	Green Sunfish	3,4,9
<i>Micropterus dolomieu</i>	Smallmouth Bass	1,3,4
<i>Micropterus salmoides</i>	Largemouth Bass	3
<i>Pomoxis nigromaculatus</i>	Black Crappie	3,4

#### PERCIDAE - PERCHES

<i>Etheostoma caeruleum</i>	Rainbow Darter	3,9
<i>Etheostoma flabellare</i>	Fantail Darter	1-4,9

Etheostoma nigrum	Johnny Darter	1-4,6,9
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COTTIDAE - SCULPINS

Cottus bairdi	Mottled Sculpin	2,9
Cottus cognatus	Slimy Sculpin	1,3-9

Survey Source:

1. MDNR/Fisheries (Root River-South Branch): 1956
2. UM/Bell Museum (Root River-South Branch): 1966 and 1970
3. MDNR/Fisheries (Root River-South Branch): 1970 and 1974
4. MDNR/Fisheries (Root River-South Branch): 1984-86
5. MDNR/Fisheries (Canfield Creek): 1955 and 1971
6. MDNR/Fisheries (Canfield Creek): 1987-88
7. MDNR/Fisheries (Forestville Creek): 1955
8. MDNR/Fisheries (Forestville Creek): 1987
9. Konrad Schmidt (Forestville - Mystery Cave State Park): 1984-

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FRONTENAC STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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ACIPENSERIDAE - STURGEONS

(S) Acipenser fulvescens	Lake Sturgeon	5
(S) Scaphirhynchus platyrhynchus	Shovelnose Sturgeon	5

POLYODONTIDAE - PADDLEFISHES

(S) Polyodon spathula	Paddlefish	8
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LEPISOSTEIDAE - GARS

Lepisosteus osseus	Longnose Gar	5,6
Lepisosteus platostomus	Shortnose Gar	5,6

AMIIDAE - BOWFINS

Amia calva	Bowfin	3,4
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CLUPEIDAE - HERRINGS

(L) Alosa chrysochloris	Skipjack Herring	6,10
Dorosoma cepedianum	Gizzard Shad	4-6

HIODONTIDAE - MOONEYES

Hiodon alosoides	Goldeye	5
Hiodon tergisus	Mooneye	5

UMBRIDAE - MUDMINNOWS

Umbra limi	Central Mudminnow	3,7
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ESOCIDAE - PIKES

Esox lucius	Northern Pike	4-7
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CYPRINIDAE - MINNOWS

Campostoma anomalum	Central Stoneroller	1-3,7
Cyprinella spiloptera	Spotfin Shiner	1,7
(E) Cyprinus carpio	Common Carp	1,3-7

	<i>Hybognathus hankinsoni</i>	Brassy Minnow	1,2
(L)	<i>Hybognathus nuchalis</i>	Silvery Minnow	11
	<i>Luxilus cornutus</i>	Common Shiner	1,2,5
	<i>Macrhybopsis storeriana</i>	Silver Chub	1,5-7
	<i>Notemigonus crysoleucas</i>	Golden Shiner	4
	<i>Notropis atherinoides</i>	Emerald Shiner	1,6,7
(S)	<i>Notropis amnis</i>	Pallid Shiner	9
	<i>Notropis blennius</i>	River Shiner	1
	<i>Notropis dorsalis</i>	Bigmouth Shiner	1,2,7
	<i>Notropis hudsonius</i>	Spottail Shiner	1,6,7
	<i>Notropis stramineus</i>	Sand Shiner	1,2,7
(S)	<i>Opsopoeodus emiliae</i>	Pugnose Minnow	12
(L)	<i>Phenacobius mirabilis</i>	Suckermouth Minnow	1
	<i>Pimephales notatus</i>	Bluntnose Minnow	1,2
	<i>Pimephales promelas</i>	Fathead Minnow	1,2
(L)	<i>Pimephales vigilax</i>	Bullhead Minnow	1
	<i>Rhinichthys atratulus</i>	Blacknose Dace	1,2,7
	<i>Rhinichthys cataractae</i>	Longnose Dace	1,2,7
	<i>Semotilus atromaculatus</i>	Creek Chub	1-3,7

#### CATOSTOMIDAE - SUCKERS

	<i>Carpiodes carpio</i>	River Carpsucker	4,5
	<i>Carpiodes cyprinus</i>	Quillback	4-6
	<i>Carpiodes velifer</i>	Highfin Carpsucker	5,6
	<i>Catostomus commersoni</i>	White Sucker	1-7
(S)	<i>Cycleptus elongatus</i>	Blue Sucker	8
	<i>Ictiobus bubalus</i>	Smallmouth Buffalo	4,6
	<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	5-7

Minytrema melanops	Spotted Sucker	5,6
Moxostoma anisurum	Silver Redhorse	5,6
Moxostoma erythrurum	Golden Redhorse	6
Moxostoma macrolepidotum	Shorthead Redhorse	5,6

#### ICTALURIDAE - BULLHEAD CATFISHES

Ameiurus melas	Black Bullhead	4,5
Ameiurus natalis	Yellow Bullhead	3-5
Ameiurus nebulosus	Brown Bullhead	5
(S) Ictalurus furcatus	Blue Catfish	5
Ictalurus punctatus	Channel Catfish	1,5,6
Pylodictis olivaris	Flathead Catfish	6

#### PERCOPSIDAE - TROUT-PERCHES

Percopsis omiscomaycus	Trout-perch	6
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#### GADIDAE - CODFISHES

Lota lota	Burbot	2
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#### GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	2,3
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#### PERCICHTHYIDAE - TEMPERATE BASSES

Morone chrysops	White Bass	1,6
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#### CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	1,5,6
Lepomis cyanellus	Green Sunfish	4-7
Lepomis gibbosus	Pumpkinseed	5

<i>Lepomis macrochirus</i>	Bluegill	1,4-7
<i>Micropterus dolomieu</i>	Smallmouth Bass	5,6
<i>Micropterus salmoides</i>	Largemouth Bass	4-6
<i>Pomoxis annularis</i>	White Crappie	4-6
<i>Pomoxis nigromaculatus</i>	Black Crappie	4-6

#### PERCIDAE - PERCHES

<i>Etheostoma exile</i>	Iowa Darter	7
<i>Etheostoma flabellare</i>	Fantail Darter	1,2,7
<i>Etheostoma nigrum</i>	Johnny Darter	1-3,7
<i>Perca flavescens</i>	Yellow Perch	4-7
<i>Percina caprodes</i>	Logperch	1,6,7
<i>Percina maculata</i>	Blackside Darter	1,7
<i>Percina shumardi</i>	River Darter	1
<i>Stizostedion canadense</i>	Sauger	5,6
<i>Stizostedion vitreum</i>	Walleye	5,6

#### SCIAENIDAE - DRUMS

<i>Aplodinotus grunniens</i>	Freshwater Drum	4-6
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#### Survey Source:

1. UM/Bell Museum (Wells Creek): 1963 and 1966
2. MDNR/Fisheries (Wells Creek): 1986
3. MDNR/Fisheries (Pleasant Valley Creek): 1975 and 1981
4. MDNR/Fisheries (Pleasant Valley Lakelet): 1981
5. MDNR/Fisheries (Lake Pepin): 1965-79
6. MDNR/Fisheries (Lake Pepin): 1986-88
7. Konrad Schmidt (Frontenac State Park): 1987-89

8. MDNR/Fisheries (Lake Pepin): 1985-88 [Observations  
and commercial fishing catches]
9. University of Wisconsin/Stevens Point (Mississippi River-  
Red Wing): 1947
10. University of Wisconsin/Madison (Lake Pepin): 1904
11. UM/Bell Museum (Lake Pepin): 1945
12. MDNR/Ecological Services (Mississippi River-Pool 4): 1991-92

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#### JOHN A. LATSCH STATE PARK

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#### FAMILY

Scientific Name	Common Name	Survey
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#### PETROMYZONTIDAE - LAMPREYS

Ichthyomyzon castaneus	Chestnut Lamprey	3
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#### POLYODONTIDAE - PADDLEFISHES

(S) Polyodon spathula	Paddlefish	
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#### LEPISOSTEIDAE - GARS

Lepisosteus osseus	Longnose Gar	1,3
Lepisosteus platostomus	Shortnose Gar	1,3

#### AMIIDAE - BOWFINS

Amia calva	Bowfin	1,3
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#### ANGUILLIDAE - FRESHWATER EEL



(L)	<i>Anguilla rostrata</i>	American Eel	3
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CLUPEIDAE - HERRINGS

(L)	<i>Alosa chrysochloris</i>	Skipjack Herring	3
	<i>Dorosoma cepedianum</i>	Gizzard Shad	1,3

HIODONTIDAE - MOONEYES

	<i>Hiodon alosoides</i>	Goldeye	3
	<i>Hiodon tergisus</i>	Mooneye	3

SALMONIDAE - TROUTS

	<i>Salvelinus fontinalis</i>	Brook Trout	4
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ESOCIDAE - PIKES

	<i>Esox lucius</i>	Northern Pike	1-3
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CYPRINIDAE - MINNOWS

	<i>Cyprinella spiloptera</i>	Spotfin Shiner	2,3
(E)	<i>Cyprinus carpio</i>	Common Carp	1-3
	<i>Hybognathus hankinsoni</i>	Brassy Minnow	3
(L)	<i>Hybognathus nuchalis</i>	Silvery Minnow	6
	<i>Macrhybopsis storeriana</i>	Silver Chub	3
	<i>Luxilus cornutus</i>	Common Shiner	3
	<i>Notemigonus crysoleucas</i>	Golden Shiner	1,3
	<i>Notropis atherinoides</i>	Emerald Shiner	1-3
	<i>Notropis blennius</i>	River Shiner	1-3
	<i>Notropis dorsalis</i>	Bigmouth Shiner	3
	<i>Notropis heterodon</i>	Blackchin Shiner	3

Notropis heterolepis	Blacknose Shiner	3
Notropis hudsonius	Spottail Shiner	1-3
Notropis rubellus	Rosyface Shiner	1
Notropis stramineus	Sand Shiner	2,3
Notropis texanus	Weed Shiner	2,3
(S) Opsopoeodus emiliae	Pugnose Minnow	2,3
Pimephales notatus	Bluntnose Minnow	1-3
Pimephales promelas	Fathead Minnow	3
(L) Pimephales vigilax	Bullhead Minnow	3

#### CATOSTOMIDAE - SUCKERS

Carpionotus carpio	River Carpsucker	1,3
Carpionotus cyprinus	Quillback	1-3
Carpionotus velifer	Highfin Carpsucker	3
Catostomus commersoni	White Sucker	1,3
Ictiobus bubalus	Smallmouth Buffalo	1,3
Ictiobus cyprinellus	Bigmouth Buffalo	1,3
Minytrema melanops	Spotted Sucker	1-3
Moxostoma anisurum	Silver Redhorse	1-4
(L) Moxostoma carinatum	River Redhorse	3
Moxostoma erythrurum	Golden Redhorse	3
Moxostoma macrolepidotum	Shorthead Redhorse	1-4

#### ICTALURIDAE - BULLHEAD CATFISHES

Ameiurus melas	Black Bullhead	3
Ameiurus natalis	Yellow Bullhead	1,3
Ameiurus nebulosus	Brown Bullhead	1,3
Ictalurus punctatus	Channel Catfish	1-3
Noturus flavus	Stonecat	1

Noturus gyrinus	Tadpole Madtom	2,3
Pyiodictis olivaris	Flathead Catfish	1,3
APHREDODERIDAE - PIRATE PERCHES		
(L) Aphredoderus sayanus	Pirate Perch	3
PERCOPSIDAE - TROUT-PERCHES		
Percopsis omiscomaycus	Trout-perch	3
GADIDAE - CODFISHES		
Lota lota	Burbot	3
ATHERINIDAE - SILVERSIDES		
Labidesthes sicculus	Brook Silverside	1-3
PERCICHTHYIDAE - TEMPERATE BASSES		
Morone chrysops	White Bass	1,3
(S) Morone mississippiensis	Yellow Bass	3
CENTRARCHIDAE - SUNFISHES		
Ambloplites rupestris	Rock Bass	1-3
Lepomis cyanellus	Green Sunfish	1,3
Lepomis gibbosus	Pumpkinseed	1-3
(L) Lepomis gulosus	Warmouth	3
Lepomis humilis	Orangespotted Sunfish	3
Lepomis macrochirus	Bluegill	1-3
Micropterus dolomieu	Smallmouth Bass	1-3
Micropterus salmoides	Largemouth Bass	1-3

Pomoxis annularis	White Crappie	1,3
Pomoxis nigromaculatus	Black Crappie	1-3

#### PERCIDAE - PERCHES

(L) Etheostoma asprigene	Mud Darter	1-4
Etheostoma caeruleum	Rainbow Darter	3
Etheostoma nigrum	Johnny Darter	1-3
Perca flavescens	Yellow Perch	1-3
Percina caprodes	Logperch	1,3
Stizostedion canadense	Sauger	1-3
Stizostedion vitreum	Walleye	1,3

#### SCIAENIDAE - DRUMS

Aplodinotus grunniens	Freshwater Drum	1-3
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#### Survey Source:

1. MDNR/Fisheries (Mississippi River-Pool 5): 1975-77
2. MDNR/Fisheries (Mississippi River-Pool 5): 1985
3. USFWS/Fisheries Resource Office (Mississippi River-Pool 5):  
1984-86
4. Konrad Schmidt (John A. Latsch State Park): 1987 and 1989
5. MDNR/Fisheries (Mississippi River-Pool 5): 1989  
[Observations and commercial fishing catches]
6. UM/Bell Museum (Mississippi River-Minneiska): 1900

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LAKE LOUISE STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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PETROMYZONTIDAE - LAMPREYS		
(S) <i>Lampetra appendix</i>	American Brook Lamprey	3,9
CYPRINIDAE - MINNOWS		
<i>Campostoma anomalum</i>	Central Stoneroller	1-7,9
<i>Cyprinella spiloptera</i>	Spotfin Shiner	1-4,9
(E) <i>Cyprinus carpio</i>	Common Carp	3,4,6-8
(S) <i>Erimystax x-punctatus</i>	Gravel Chub	1
<i>Hybognathus hankinsoni</i>	Brassy Minnow	1-3,5
<i>Luxilus cornutus</i>	Common Shiner	1-9
(L) <i>Lythrurus umbratilis</i>	Redfin Shiner	1
<i>Nocomis biguttatus</i>	Hornyhead Chub	1-6,9
<i>Notemigonus crysoleucas</i>	Golden Shiner	1
<i>Notropis dorsalis</i>	Bigmouth Shiner	1-6,9
<i>Notropis heterodon</i>	Blackchin Shiner	1
<i>Notropis rubellus</i>	Rosyface Shiner	1-4,6,9
<i>Notropis stramineus</i>	Sand Shiner	1-3
(L) <i>Phenacobius mirabilis</i>	Suckermouth Minnow	1,3,4,9
<i>Phoxinus erythrogaster</i>	Southern Redbelly Dace	3,5,9
<i>Pimephales notatus</i>	Bluntnose Minnow	1-9
<i>Pimephales promelas</i>	Fathead Minnow	1-5,9
<i>Rhinichthys atratulus</i>	Blacknose Dace	9
<i>Rhinichthys cataractae</i>	Longnose Dace	1,2
<i>Semotilus atromaculatus</i>	Creek Chub	1-7,9

CATOSTOMIDAE - SUCKERS

<i>Carpiodes cyprinus</i>	Quillback	3,7,8
<i>Catostomus commersoni</i>	White Sucker	1-9
<i>Hypentelium nigricans</i>	Northern Hog Sucker	1-4,6,9
<i>Moxostoma anisurum</i>	Silver Redhorse	7
(S) <i>Moxostoma duquesnei</i>	Black Redhorse	4
<i>Moxostoma erythrurum</i>	Golden Redhorse	2,3,5-9
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	4

ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	3,5-9
<i>Ameiurus natalis</i>	Yellow Bullhead	1,3,4,6-9
<i>Ameiurus nebulosus</i>	Brown Bullhead	7
<i>Noturus flavus</i>	Stonecat	1

GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	5
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CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	2,3,6,8,9
<i>Lepomis cyanellus</i>	Green Sunfish	1-9
<i>Lepomis humilis</i>	Orangespotted Sunfish	1,2,7-9
<i>Lepomis macrochirus</i>	Bluegill	9
<i>Micropterus dolomieu</i>	Smallmouth Bass	2-8
<i>Micropterus salmoides</i>	Largemouth Bass	1,3,7,8
<i>Pomoxis annularis</i>	White Crappie	1,3,4,6-9
<i>Pomoxis nigromaculatus</i>	Black Crappie	3,7-9

PERCIDAE - PERCHES

<i>Etheostoma caeruleum</i>	Rainbow Darter	1,2,4,6,9
<i>Etheostoma exile</i>	Iowa Darter	1,9
<i>Etheostoma flabellare</i>	Fantail Darter	1-4,6,9
<i>Etheostoma nigrum</i>	Johnny Darter	1-9
<i>Etheostoma zonale</i>	Banded Darter	1,4,9
<i>Percina maculata</i>	Blackside Darter	2,3,9

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Survey Source:

1. UM/Bell Museum (Upper Iowa River): 1960-65
2. UM/Bell Museum (Upper Iowa River): 1974
3. MDNR/Fisheries (Upper Iowa River): 1981
4. UM/Bell Museum (Upper Iowa River): 1984
5. UM/Bell Museum (Little Iowa River): 1974
6. MDNR/Fisheries (Little Iowa River): 1981
7. MDNR/Fisheries (Lake Louise): 1972-79
8. MDNR/Fisheries (Lake Louise): 1983 and 1988
9. Konrad Schmidt (Lake Louise State Park): 1987-93

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MYRE-BIG ISLAND STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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UMBRIDAE - MUDMINNOS

<i>Umbra limi</i>	Central Mudminnow	1-4
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# ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	1,3
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# CYPRINIDAE - MINNOWS

<i>Campostoma anomalum</i>	Central Stoneroller	1,2,4
(E) <i>Carassius auratus</i>	Goldfish	1,3
(E) <i>Cyprinus carpio</i>	Common Carp	1-4
<i>Hybognathus hankinsoni</i>	Brassy Minnow	1,3
<i>Luxilus cornutus</i>	Common Shiner	1,4
<i>Margariscus margarita</i>	Pearl Dace	3
<i>Notemigonus crysoleucas</i>	Golden Shiner	3
<i>Notropis dorsalis</i>	Bigmouth Shiner	1,2
<i>Notropis stramineus</i>	Sand Shiner	1,2
<i>Phoxinus eos</i>	Northern Redbelly Dace	3
<i>Pimephales notatus</i>	Bluntnose Minnow	1,2,4
<i>Pimephales promelas</i>	Fathead Minnow	1-4
<i>Rhinichthys atratulus</i>	Blacknose Dace	4
<i>Semotilus atromaculatus</i>	Creek Chub	1,4

# CATOSTOMIDAE - SUCKERS

<i>Carpiodes cyprinus</i>	Quillback	1,3
<i>Catostomus commersoni</i>	White Sucker	1,3,4
<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	3

# ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	1-4
<i>Ameiurus natalis</i>	Yellow Bullhead	1-3
<i>Ictalurus punctatus</i>	Channel Catfish	3
<i>Noturus flavus</i>	Stonecat	1



Noturus gyrinus	Tadpole Madtom	1,2
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	3,4
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CENTRARCHIDAE - SUNFISHES

Lepomis cyanellus	Green Sunfish	1-4
Lepomis humilis	Orangespotted Sunfish	1-4
Lepomis macrochirus	Bluegill	2,3
Micropterus salmoides	Largemouth Bass	1
Pomoxis annularis	White Crappie	1,3,4
Pomoxis nigromaculatus	Black Crappie	1,3

PERCIDAE - PERCHES

Etheostoma exile	Iowa Darter	3
Etheostoma nigrum	Johnny Darter	1,2
Perca flavescens	Yellow Perch	1-4
Stizostedion vitreum	Walleye	1,3

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Survey Source:

1. MDNR/Fisheries (Shell Rock River: 1985)
2. Konrad Schmidt (Shell Rock River: 1990)
3. MDNR/Fisheries (Albert Lea Lake: 1945-92)
4. Konrad Schmidt (Myre-Big Island State Park: 1991-92)

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FAMILY		
Scientific Name	Common Name	Survey
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UMBRIDAE - MUDMINNOWS		
Umbra limi	Central Mudminnow	3,4
ESOCIDAE - PIKES		
Esox lucius	Northern Pike	4
CYPRINIDAE - MINNOWS		
Cyprinella spiloptera	Spotfin Shiner	1-4
(E) Cyprinus carpio	Common Carp	2,4
Campostoma anomalum	Central Stoneroller	1-5
Hybognathus hankinsoni	Brassy Minnow	1,2
Luxilus cornutus	Common Shiner	1-4
Margariscus margarita	Pearl Dace	1,4
Nocomis biguttatus	Hornyhead Chub	1
Notropis atherinoides	Emerald Shiner	1
Notropis dorsalis	Bigmouth Shiner	1-4
Notropis hudsonius	Spottail Shiner	1,2
Notropis rubellus	Rosyface Shiner	1
Notropis stramineus	Sand Shiner	1-4
Phoxinus erythrogaster	Southern Redbelly Dace	4
Pimephales notatus	Bluntnose Minnow	1-4
Pimephales promelas	Fathead Minnow	1,2,4,5
Rhinichthys atratulus	Blacknose Dace	1,3-5
Rhinichthys cataractae	Longnose Dace	1-4
Semotilus atromaculatus	Creek Chub	1-5

CATOSTOMIDAE - SUCKERS

<i>Carpiodes cyprinus</i>	Quillback	2
<i>Catostomus commersoni</i>	White Sucker	1-5
<i>Hypentelium nigricans</i>	Northern Hog Sucker	1,2,4
<i>Moxostoma erythrurum</i>	Golden Redhorse	2,4
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	2-4

ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	3,4
<i>Ameiurus natalis</i>	Yellow Bullhead	4
<i>Ictalurus punctatus</i>	Channel Catfish	3
<i>Noturus flavus</i>	Stonecat	2-4

GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	2,4,5
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CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	3,4
<i>Lepomis cyanellus</i>	Green Sunfish	4,5
<i>Micropterus dolomieu</i>	Smallmouth Bass	4
<i>Micropterus salmoides</i>	Largemouth Bass	4
<i>Pomoxis annularis</i>	White Crappie	3,4
<i>Pomoxis nigromaculatus</i>	Black Crappie	3,4

PERCIDAE - PERCHES

<i>Etheostoma caeruleum</i>	Rainbow Darter	1,2
<i>Etheostoma exile</i>	Iowa Darter	4

<i>Etheostoma flabellare</i>	Fantail Darter	1-4
<i>Etheostoma nigrum</i>	Johnny Darter	1-5
<i>Perca flavescens</i>	Yellow Perch	4
<i>Percina caprodes</i>	Logperch	1,2
<i>Percina maculata</i>	Blackside Darter	1-4
<i>Stizostedion vitreum</i>	Walleye	4

#### SCIAENIDAE - DRUMS

<i>Aplodinotus grunniens</i>	Freshwater Drum	4
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#### Survey Source:

1. UM/Bell Museum (Prairie Creek): 1954-55
2. UM/Bell Museum (Prairie Creek): 1960-69
3. UM/Bell Museum (Prairie Creek): 1970 and 1975
4. MDNR/Fisheries (Prairie Creek): 1982
5. Konrad Schmidt (Nerstrand Woods State Park): 1988-89

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#### RICE LAKE STATE PARK

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#### FAMILY

Scientific Name	Common Name	Survey
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#### PETROMYZONTIDAE - LAMPREYS

(S) <i>Lampetra appendix</i>	American Brook Lamprey	2
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#### UMBRIDAE - MUDMINNOWS

<i>Umbra limi</i>	Central Mudminnow	1,3
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CYPRINIDAE - MINNOWS

	<i>Campostoma anomalum</i>	Central Stoneroller	1,2
(L)	<i>Campostoma oligolepis</i>	Largescale Stoneroller	1
	<i>Cyprinella spiloptera</i>	Spotfin Shiner	1,2
(E)	<i>Cyprinus carpio</i>	Common Carp	1,2
	<i>Hybognathus hankinsoni</i>	Brassy Minnow	1-3
	<i>Luxilus cornutus</i>	Common Shiner	1-3
(L)	<i>Lythrurus umbratilis</i>	Redfin Shiner	2
	<i>Margariscus margarita</i>	Pearl Dace	1
	<i>Nocomis biguttatus</i>	Hornyhead Chub	1,2
	<i>Notropis atherinoides</i>	Emerald Shiner	1
	<i>Notropis dorsalis</i>	Bigmouth Shiner	1,2
(L)	<i>Notropis nubilus</i>	Ozark Minnow	1,2
	<i>Notropis rubellus</i>	Rosyface Shiner	1,2
	<i>Notropis stramineus</i>	Sand Shiner	1,2
	<i>Notropis texanus</i>	Weed Shiner	2
	<i>Phoxinus erythrogaster</i>	Southern Redbelly Dace	2
	<i>Pimephales notatus</i>	Bluntnose Minnow	1,2
	<i>Pimephales promelas</i>	Fathead Minnow	1-4
	<i>Rhinichthys atratulus</i>	Blacknose Dace	1,2
	<i>Rhinichthys cataractae</i>	Longnose Dace	1,2
	<i>Semotilus atromaculatus</i>	Creek Chub	1-3

CATOSTOMIDAE - SUCKERS

	<i>Carpiodes cyprinus</i>	Quillback	1
	<i>Catostomus commersoni</i>	White Sucker	1-3
	<i>Hypentelium nigricans</i>	Northern Hog Sucker	1,2

Moxostoma anisurum	Silver Redhorse	1,2
(S) Moxostoma duquesnei	Black Redhorse	1,2
Moxostoma erythrurum	Golden Redhorse	1,2
Moxostoma macrolepidotum	Shorthead Redhorse	1,2

#### ICTALURIDAE - BULLHEAD CATFISHES

Ameiurus melas	Black Bullhead	1-4
Ameiurus nebulosus	Brown Bullhead	1-3
Noturus flavus	Stonecat	1,2
Noturus gyrinus	Tadpole Madtom	1

#### GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	1,3,4
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#### PERCICHTHYIDAE - TEMPERATE BASSES

Morone chrysops	White Bass	1
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#### CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	1,2
Lepomis cyanellus	Green Sunfish	1-3
Lepomis humilis	Orangespotted Sunfish	1
Micropterus dolomieu	Smallmouth Bass	1,2
Micropterus salmoides	Largemouth Bass	2
Pomoxis annularis	White Crappie	1,2

#### PERCIDAE - PERCHES

Etheostoma caeruleum	Rainbow Darter	2
Etheostoma flabellare	Fantail Darter	1,2
Etheostoma nigrum	Johnny Darter	1,2

<i>Etheostoma zonale</i>	Banded Darter	2
<i>Percina caprodes</i>	Logperch	1,2
<i>Percina maculata</i>	Blackside Darter	1,2
<i>Percina phoxocephala</i>	Slenderhead Darter	1,2

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Survey Source:

1. MDNR/Fisheries (Zumbro River-South Branch Middle Fork:  
1945-91)
2. UM/Bell Museum (Zumbro River-South Branch Middle Fork:  
1953-74)
3. MDNR/Fisheries (Rice Lake: 1945)
4. Konrad Schmidt (Rice Lake State Park: 1992)

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SAKATAH LAKE STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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AMIIDAE - BOWFINS

<i>Amia calva</i>	Bowfin	1,2
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ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	1,2
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CYPRINIDAE - MINNOWS

(E) <i>Cyprinus carpio</i>	Common Carp	1,2
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<i>Notemigonus crysoleucas</i>	Golden Shiner	1,2
<i>Notropis atherinoides</i>	Emerald Shiner	1
<i>Notropis hudsonius</i>	Spottail Shiner	1,3
<i>Pimephales promelas</i>	Fathead Minnow	1,3
<i>Semotilus atromaculatus</i>	Creek Chub	1

#### CATOSTOMIDAE - SUCKERS

<i>Carpiodes cyprinus</i>	Quillback	1
<i>Catostomus commersoni</i>	White Sucker	1,2
<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	1,2

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	1-3
<i>Ameiurus natalis</i>	Yellow Bullhead	1,2
<i>Ameiurus nebulosus</i>	Brown Bullhead	1
<i>Ictalurus punctatus</i>	Channel Catfish	1,2

#### GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	3
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#### PERCICHTHYIDAE - TEMPERATE BASSES

<i>Morone chrysops</i>	White Bass	1,2
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#### CENTRARCHIDAE - SUNFISHES

<i>Lepomis cyanellus</i>	Green Sunfish	1,3
<i>Lepomis gibbosus</i>	Pumpkinseed	1
<i>Lepomis macrochirus</i>	Bluegill	1-3
<i>Micropterus salmoides</i>	Largemouth Bass	1-3
<i>Pomoxis annularis</i>	White Crappie	1



Pomoxis nigromaculatus	Black Crappie	1-3
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PERCIDAE - PERCHES

Etheostoma nigrum	Johnny Darter	3
Perca flavescens	Yellow Perch	1-3
Percina caprodes	Logperch	1,3
Stizostedion vitreum	Walleye	1,2

SCIAENIDAE - DRUMS

Aplodinotus grunniens	Freshwater Drum	1
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Survey Source:

1. MDNR/Fisheries (Upper Sakatah Lake: 1950-89)
2. MDNR/Fisheries (Lower Sakatah Lake: 1989)
3. Konrad Schmidt (Sakatah Lake State Park: 1992 and 1993)

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WHITEWATER STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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PETROMYZONTIDAE - LAMPREYS

(S) Lampetra appendix	American Brook Lamprey	4
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CLUPEIDAE - HERRINGS

Dorosoma cepedianum	Gizzard Shad	4
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#### SALMONIDAE - TROUTS

(E) <i>Oncorhynchus mykiss</i>	Rainbow Trout	4,5
(E) <i>Salmo trutta</i>	Brown Trout	1,3-7
<i>Salvelinus fontinalis</i>	Brook Trout	4-6

#### CYPRINIDAE - MINNOWS

<i>Campostoma anomalum</i>	Central Stoneroller	1-4
(E) <i>Cyprinus carpio</i>	Common Carp	4
<i>Hybognathus hankinsoni</i>	Brassy Minnow	1,4
<i>Luxilus cornutus</i>	Common Shiner	1
<i>Nocomis biguttatus</i>	Hornyhead Chub	1,4
<i>Notropis atherinoides</i>	Emerald Shiner	4
<i>Notropis dorsalis</i>	Bigmouth Shiner	1,2
<i>Notropis stramineus</i>	Sand Shiner	3
<i>Phoxinus eos</i>	Northern Redbelly Dace	1,2
<i>Pimephales notatus</i>	Bluntnose Minnow	1-3
<i>Pimephales promelas</i>	Fathead Minnow	1-4
<i>Rhinichthys atratulus</i>	Blacknose Dace	1-4,6,7
<i>Rhinichthys cataractae</i>	Longnose Dace	1-7
<i>Semotilus atromaculatus</i>	Creek Chub	1-4,6

#### CATOSTOMIDAE - SUCKERS

<i>Catostomus commersoni</i>	White Sucker	1-7
<i>Moxostoma anisurum</i>	Silver Redhorse	4
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	4

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	3
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GADIDAE - CODFISHES

Lota lota	Burbot	4
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	2-5
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PERCICHTHYIDAE - TEMPERATE BASSES

Morone chrysops	White Bass	4
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CENTRARCHIDAE - SUNFISHES

Lepomis cyanellus	Green Sunfish	4,6,7
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PERCIDAE - PERCHES

Etheostoma caeruleum	Rainbow Darter	2
Etheostoma flabellare	Fantail Darter	1-4,7
Etheostoma nigrum	Johnny Darter	1-4,7
Percina caprodes	Logperch	4
Stizostedion vitreum	Walleye	4

COTTIDAE - SCULPINS

Cottus cognatus	Slimy Sculpin	1-6
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Survey Source:

1. MDNR/Fisheries (Whitewater River-Middle Fork): 1957
2. UM/Bell Museum (Whitewater River-Middle and South Forks): 1969
3. MDNR/Fisheries (Whitewater River-Middle Fork): 1976
4. MDNR/Fisheries (Whitewater River-Middle Fork): 1980-88

5. MDNR/Fisheries (Trout Run Creek): 1975 and 1979
6. MDNR/Fisheries (Trout Run Creek): 1986-87
7. Konrad Schmidt (Whitewater State Park): 1987 and 1989

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#### REGION 6 - METRO

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#### AFTON STATE PARK

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#### FAMILY

Scientific Name	Common Name	Survey
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#### PETROMYZONTIDAE - LAMPREYS

Ichthyomyzon castaneus	Chestnut Lamprey	3
Ichthyomyzon unicuspis	Silver Lamprey	3
(S) Lampetra appendix	American Brook Lamprey	2,9

#### ACIPENSERIDAE - STURGEONS

(S) Acipenser fulvescens	Lake Sturgeon	2,4,5,10
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#### POLYDONTIDAE - PADDLEFISHES

(S) Polyodon spathula	Paddlefish	10
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#### LEPISOSTEIDAE - GARS

Lepisosteus osseus	Longnose Gar	5
Lepisosteus platostomus	Shortnose Gar	5

AMIIDAE - BOWFINS

Amia calva	Bowfin	3,5
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ANGUILLIDAE - FRESHWATER EELS

(L) Anguilla rostrata	American Eel	5
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CLUPEIDAE - HERRINGS

(L) Alosa chrysochloris	Skipjack Herring	7
Dorosoma cepedianum	Gizzard Shad	4,5

HIODONTIDAE - MOONEYES

Hiodon alosoides	Goldeye	5
Hiodon tergisus	Mooneye	3,5

ESOCIDAE - PIKES

Esox lucius	Northern Pike	3,5
Esox masquinongy	Muskellunge	5

CYPRINIDAE - MINNOWS

Cyprinella spiloptera	Spotfin Shiner	1,6
(E) Cyprinus carpio	Common Carp	3-6
(L) Macrhybopsis aestivalis	Speckled Chub	1
Macrhybopsis storeriana	Silver Chub	4,5
(S) Notropis amnis	Pallid Shiner	8
Notropis atherinoides	Emerald Shiner	1,3,6
Notropis blennius	River Shiner	1
Notropis hudsonius	Spottail Shiner	1,5

	<i>Notropis stramineus</i>	Sand Shiner	1,3,6
	<i>Notropis volucellus</i>	Mimic Shiner	1,3
(S)	<i>Opsopoeodus emiliae</i>	Pugnose Minnow	2
	<i>Pimephales notatus</i>	Bluntnose Minnow	1,3
(L)	<i>Pimephales vigilax</i>	Bullhead Minnow	5
	<i>Semotilus atromaculatus</i>	Creek Chub	6

#### CATOSTOMIDAE - SUCKERS

	<i>Carpiodes carpio</i>	River Carpsucker	1,3
	<i>Carpiodes cyprinus</i>	Quillback	3-6
	<i>Carpiodes velifer</i>	Highfin Carpsucker	3
	<i>Catostomus commersoni</i>	White Sucker	3-5
(S)	<i>Cycleptus elongatus</i>	Blue Sucker	3
	<i>Hypentelium nigricans</i>	Northern Hog Sucker	1,3
	<i>Ictiobus bubalus</i>	Smallmouth Buffalo	3-5
	<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	5
	<i>Minytrema melanops</i>	Spotted Sucker	3-5
	<i>Moxostoma anisurum</i>	Silver Redhorse	3-6
(L)	<i>Moxostoma carinatum</i>	River Redhorse	3-5
	<i>Moxostoma erythrurum</i>	Golden Redhorse	1,3,4
	<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	3-5

#### ICTALURIDAE - BULLHEAD CATFISHES

	<i>Ameiurus melas</i>	Black Bullhead	5
	<i>Ameiurus natalis</i>	Yellow Bullhead	3
	<i>Ictalurus punctatus</i>	Channel Catfish	4,5
	<i>Noturus flavus</i>	Stonecat	1
	<i>Pylodictis olivaris</i>	Flathead Catfish	1,3-5

PERCOPSIDAE - TROUT-PERCHES

Percopsis omiscomaycus	Trout-perch	4
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GADIDAE - CODFISHES

Lota lota	Burbot	1,5,6
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ATHERINIDAE - SILVERSIDES

Labidesthes sicculus	Brook Silverside	1,3,5
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GASTEROSTEIDAE - STICKLEBACKS

Culaea inconstans	Brook Stickleback	6
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PERCICHTHYIDAE - TEMPERATE BASSES

Morone chrysops	White Bass	1,3-5
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CENTRARCHIDAE - SUNFISHES

Ambloplites rupestris	Rock Bass	3,5
Lepomis cyanellus	Green Sunfish	6
Lepomis gibbosus	Pumpkinseed	5
Lepomis humilis	Orangespotted Sunfish	1
Lepomis macrochirus	Bluegill	3-6
Micropterus dolomieu	Smallmouth Bass	3,5,6
Micropterus salmoides	Largemouth Bass	1,3
Pomoxis annularis	White Crappie	3-5
Pomoxis nigromaculatus	Black Crappie	3,5

PERCIDAE - PERCHES

(S) Ammocrypta asprella	Crystal Darter	2
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(L) <i>Ammocrypta clara</i>	Western Sand Darter	1,3
<i>Etheostoma caeruleum</i>	Rainbow Darter	1
<i>Etheostoma flabellare</i>	Fantail Darter	1
<i>Etheostoma nigrum</i>	Johnny Darter	1,6
<i>Perca flavescens</i>	Yellow Perch	3-5
<i>Percina caprodes</i>	Logperch	1,3-6
<i>Percina phoxocephala</i>	Slenderhead Darter	1
<i>Percina shumardi</i>	River Darter	1
<i>Stizostedion canadense</i>	Sauger	3-5
<i>Stizostedion vitreum</i>	Walleye	3-5

SCIAENIDAE - DRUMS

<i>Aplodinotus grunniens</i>	Freshwater Drum	3-5
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Survey Source:

1. UM/Bell Museum (St. Croix River below Taylors Falls): 1960-68
2. WDNR/Research Bureau (St. Croix River Below Taylors Falls):  
1975-83 [Special Concern species only]
3. MDNR/Ecological Services (St. Croix River below Taylors  
Falls): 1989
4. MDNR/Ecological Services (Lake St. Croix): 1967-68
5. MDNR/Fisheries (Lake St. Croix): 1967-68
6. Konrad Schmidt (Afton State Park): 1987-89
7. Greene (St. Croix River-Hudson): 1908 and 1928
8. Greene (St. Croix River-Rive Mile 0.3): 1926
9. MDNR/Fisheries (Valley Branch): 1993
10. WDNR (Lake St. Croix-commercial fish incidental catch): 1986

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FORT SNELLING STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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POLYODONTIDAE - PADDLEFISHES

(S) Polyodon spathula	Paddlefish	13
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LEPISOSTEIDAE - GARS

Lepisosteus platostomus	Shortnose Gar	3,4,10-12
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AMIIDAE - BOWFINS

Amia calva	Bowfin	3-5,7,12
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ANGUILLIDAE - FRESHWATER EELS

(L) Anguilla rostrata	American Eel	11
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CLUPEIDAE - HERRINGS

Dorosoma cepedianum	Gizzard Shad	3-5,8-12
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HIODONTIDAE - MOONEYES

Hiodon tergisus	Mooneye	11
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UMBRIDAE - MUDMINNOWS

Umbra limi	Central Mudminnow	11,12
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ESOCIDAE - PIKES

<i>Esox lucius</i>	Northern Pike	1-3,5-12
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CYPRINIDAE - MINNOWS

<i>Campostoma anomalum</i>	Central Stoneroller	1,2,4,12
<i>Cyprinella spiloptera</i>	Spotfin Shiner	1,2,4,5,11,12
(E) <i>Cyprinus carpio</i>	Common Carp	1-12
<i>Hybognathus hankinsoni</i>	Brassy Minnow	1,2,12
<i>Luxilus cornutus</i>	Common Shiner	1,2,4
(L) <i>Macrhybopsis aestivalis</i>	Speckled Chub	4
<i>Macrhybopsis storeriana</i>	Silver Chub	5,11
<i>Margariscus margarita</i>	Pearl Dace	1
<i>Nocomis biguttatus</i>	Hornyhead Chub	4
<i>Notemigonus crysoleucas</i>	Golden Shiner	1,2,7,8,11,12
<i>Notropis atherinoides</i>	Emerald Shiner	1,2,4,5,11,12
<i>Notropis blennius</i>	River Shiner	1
<i>Notropis dorsalis</i>	Bigmouth Shiner	1,2,4,5,12
<i>Notropis heterodon</i>	Blackchin Shiner	4
<i>Notropis hudsonius</i>	Spottail Shiner	11
<i>Notropis stramineus</i>	Sand Shiner	1,2,4,11,12
<i>Notropis texanus</i>	Weed Shiner	1,12
<i>Notropis volucellus</i>	Mimic Shiner	1
<i>Phoxinus eos</i>	Northern Redbelly Dace	1
<i>Phoxinus erythrogaster</i>	Southern Redbelly Dace	1
<i>Phoxinus neogaeus</i>	Finescale Dace	1
<i>Pimephales notatus</i>	Bluntnose Minnow	1,2,4,11,12
<i>Pimephales promelas</i>	Fathead Minnow	1,2,4,6,11,12
(L) <i>Pimephales vigilax</i>	Bullhead Minnow	11
<i>Rhinichthys atratulus</i>	Blacknose Dace	1,2,4,11,12
<i>Semotilus atromaculatus</i>	Creek Chub	1,2,4,11,12

CATOSTOMIDAE - SUCKERS

<i>Carpiodes carpio</i>	River Carpsucker	4,5
<i>Carpiodes cyprinus</i>	Quillback	2-5,11,12
<i>Catostomus commersoni</i>	White Sucker	1-9,11,12
<i>Hypentelium nigricans</i>	Northern Hog Sucker	3,4
<i>Ictiobus bubalus</i>	Smallmouth Buffalo	3,5,12
<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	2-6,8,12
<i>Moxostoma anisurum</i>	Silver Redhorse	3,4,11
<i>Moxostoma erythrurum</i>	Golden Redhorse	1
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	3-5,10-12

ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	2,4-12
<i>Ameiurus natalis</i>	Yellow Bullhead	7-12
<i>Ameiurus nebulosus</i>	Brown Bullhead	1,4,6-9,11,12
<i>Ictalurus punctatus</i>	Channel Catfish	3-5,8,10,11
<i>Noturus flavus</i>	Stonecat	4,11
<i>Noturus gyrinus</i>	Tadpole Madtom	11,12
<i>Pylodictis olivaris</i>	Flathead Catfish	3,4,11

PERCOPSIDAE - TROUT-PERCHES

<i>Percopsis omiscomaycus</i>	Trout-perch	4,11
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CYPRINODONTIDAE - KILLIFISHES

<i>Fundulus diaphanus</i>	Banded Killifish	7,11,12
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GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	1,11,12
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PERCICHTHYIDAE - TEMPERATE BASSES

<i>Morone chrysops</i>	White Bass	3-5,10,11
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CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	11
<i>Lepomis cyanellus</i>	Green Sunfish	1,2,4,6,7,9-12
<i>Lepomis gibbosus</i>	Pumpkinseed	5-7,9,11,12
<i>Lepomis humilis</i>	Orangespotted Sunfish	2,4,10,12
<i>Lepomis macrochirus</i>	Bluegill	4-9,11,12
<i>Micropterus dolomieu</i>	Smallmouth Bass	3,4,11
<i>Micropterus salmoides</i>	Largemouth Bass	3-9,11,12
<i>Pomoxis annularis</i>	White Crappie	3-5,9,10,12
<i>Pomoxis nigromaculatus</i>	Black Crappie	3,4,6-12

PERCIDAE - PERCHES

(L) <i>Ammocrypta clara</i>	Western Sand Darter	4
<i>Etheostoma caeruleum</i>	Rainbow Darter	1,4
<i>Etheostoma exile</i>	Iowa Darter	1,2,11,12
<i>Etheostoma flabellare</i>	Fantail Darter	1,2
<i>Etheostoma nigrum</i>	Johnny Darter	1,2,4,7,9,11,12
<i>Etheostoma zonale</i>	Banded Darter	4
<i>Perca flavescens</i>	Yellow Perch	2,4,5,7-11
<i>Percina caprodes</i>	Logperch	4,11,12
<i>Percina maculata</i>	Blackside Darter	4,12
<i>Percina phoxocephala</i>	Slenderhead Darter	1,4,11,12
<i>Percina shumardi</i>	River Darter	11
<i>Stizostedion canadense</i>	Sauger	1,3-5,10,11

Stizostedion vitreum	Walleye	2,3,5,9-12
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## SCIAENIDAE - DRUMS

Aplodinotus grunniens	Freshwater Drum	1,3,5,10-12
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Survey Source:

1. UM/Bell Museum (Lower Minnesota River watershed): 1953-56
2. UM/Bell Museum (Lower Minnesota River watershed): 1967 and 1969
3. MDNR/Fisheries (Lower Minnesota River): 1958-59
4. UM/Bell Museum (Lower Minnesota River): 1975-76
5. MDNR/Ecological Services (Lower Minnesota River): 1984
6. MDNR/Fisheries (Snelling Lake): 1960
7. MDNR/Fisheries (Snelling Lake): 1981-88
8. MDNR/Fisheries (Quarry Lakes): 1976
9. MDNR/Fisheries (Quarry Lakes): 1983
10. USFWS/Fisheries Resource Office (Black Dog Lake): 1983
11. Konrad Schmidt (Fort Snelling State Park): 1976-89
12. Konrad Schmidt (Minnesota Valley Nat'l Wildlife Refuge): 1990
13. NSP/Black Dog Power Plant (Minnesota River): 1993

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## MINNESOTA VALLEY STATE PARK

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## FAMILY

Scientific Name	Common Name	Survey
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PETROMYZONTIDAE - LAMPREYS

(S) Lampetra appendix	American Brook Lamprey	18
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ACIPENSERIDAE - STURGEONS

(S) Scaphirhynchus platyrhynchus	Shovelnose Sturgeon	17,19
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POLYODONTIDAE - PADDLEFISHES

(S) Polyodon spathula	Paddlefish	23
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LEPISOSTEIDAE - GARS

Lepisosteus platostomus	Shortnose Gar	3,4,20
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AMIIDAE - BOWFINS

Amia calva	Bowfin	3-5,20
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CLUPEIDAE - HERRINGS

Dorosoma cepedianum	Gizzard Shad	3-5,19,20
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SALMONIDAE - TROUTS

(E) Oncorhynchus mykiss	Rainbow Trout	13,16
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(E) Salmo trutta	Brown Trout	13,14,20
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UMBRIDAE - MUDMINNOWS

Umbra limi	Central Mudminnow	8,9,13,15-17,20
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ESOCIDAE - PIKES

Esox lucius	Northern Pike	1-3,5,8,10,11,19,20
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CYPRINIDAE - MINNOWS

<i>Campostoma anomalum</i>	Central Stoneroller	1,2,4,6,7,11,12,17,19,20
<i>Cyprinella spiloptera</i>	Spotfin Shiner	1,2,4-6,17,19,20
(E) <i>Cyprinus carpio</i>	Common Carp	1-5,8,10,11,16,17,19,20
<i>Hybognathus hankinsoni</i>	Brassy Minnow	1,2,6,7,9,11,15-17,19,20
(L) <i>Hybognathus nuchalis</i>	Silvery Minnow	21
<i>Luxilus cornutus</i>	Common Shiner	1,2,4,6,7,9,13,15-17,19
(L) <i>Macrhybopsis aestivalis</i>	Speckled Chub	4
<i>Macrhybopsis storeriana</i>	Silver Chub	5
<i>Margariscus margarita</i>	Pearl Dace	1
<i>Nocomis biguttatus</i>	Hornyhead Chub	4,11,16,17,19
<i>Notemigonus crysoleucas</i>	Golden Shiner	1,2,16,20
<i>Notropis atherinoides</i>	Emerald Shiner	1,2,4,5,7,16,17,19,20
<i>Notropis blennius</i>	River Shiner	1,7
<i>Notropis dorsalis</i>	Bigmouth Shiner	1,2,4-7,11,12,17,19,20
<i>Notropis heterodon</i>	Blackchin Shiner	4
<i>Notropis stramineus</i>	Sand Shiner	1,2,4,6,7,17,19,20
<i>Notropis texanus</i>	Weed Shiner	1,20
<i>Notropis volucellus</i>	Mimic Shiner	1,15,16
<i>Phoxinus eos</i>	Northern Redbelly Dace	1,11,17
<i>Phoxinus erythrogaster</i>	Southern Redbelly Dace	1,16
<i>Phoxinus neogaeus</i>	Finescale Dace	1
<i>Pimephales notatus</i>	Bluntnose Minnow	1,2,4,11,17,19,20
<i>Pimephales promelas</i>	Fathead Minnow	1,2,4,6-9,11-17,19,20
<i>Rhinichthys atratulus</i>	Blacknose Dace	1,2,4,7,8,11,13,15,17,19,20
<i>Rhinichthys cataractae</i>	Longnose Dace	17
<i>Semotilus atromaculatus</i>	Creek Chub	1,2,4,7-9,11,13,15,17,19,20

CATOSTOMIDAE - SUCKERS

<i>Carpiodes carpio</i>	River Carpsucker	4,5,19,20
<i>Carpiodes cyprinus</i>	Quillback	2-5,17,19
<i>Carpiodes velifer</i>	Highfin Carpsucker	19
<i>Catostomus commersoni</i>	White Sucker	1-5,8,9,11,13-17,19,20
(S) <i>Cycleptus elongatus</i>	Blue Sucker	22
<i>Hypentelium nigricans</i>	Northern Hog Sucker	3,4,17
<i>Ictiobus bubalus</i>	Smallmouth Buffalo	3,5,16,19,20
<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	2-5,10,19,20
<i>Moxostoma anisurum</i>	Silver Redhorse	3,4,19
(L) <i>Moxostoma carinatum</i>	River Redhorse	21
<i>Moxostoma erythrurum</i>	Golden Redhorse	1,19
<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	3-5,15-17,19,20

#### ICTALURIDAE - BULLHEAD CATFISHES

<i>Ameiurus melas</i>	Black Bullhead	2,4,5,9-11,14-17,19,20
<i>Ameiurus natalis</i>	Yellow Bullhead	10,17,20
<i>Ameiurus nebulosus</i>	Brown Bullhead	1,4,10,11,20
<i>Ictalurus punctatus</i>	Channel Catfish	3-5,17,19
<i>Noturus flavus</i>	Stonecat	4
<i>Noturus gyrinus</i>	Tadpole Madtom	20
<i>Pylodictis olivaris</i>	Flathead Catfish	3,4,17

#### PERCOPSIDAE - TROUT-PERCHES

<i>Percopsis omiscomaycus</i>	Trout-perch	4
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#### CYPRINODONTIDAE - KILLIFISHES

<i>Fundulus diaphanus</i>	Banded Killifish	20
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#### GASTEROSTEIDAE - STICKLEBACKS



<i>Culaea inconstans</i>	Brook Stickleback	1,13,14,17,20
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PERCICHTHYIDAE - TEMPERATE BASSES

<i>Morone chrysops</i>	White Bass	3-5,17,19
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CENTRARCHIDAE - SUNFISHES

<i>Lepomis cyanelus</i>	Green Sunfish	1,2,4,8,13,15-17,19,20
<i>Lepomis gibbosus</i>	Pumpkinseed	5,11,20
<i>Lepomis humilis</i>	Orangespotted Sunfish	2,4,11,17,19,20
<i>Lepomis macrochirus</i>	Bluegill	4,5,10,16,17,20
<i>Micropterus dolomieu</i>	Smallmouth Bass	3,4
<i>Micropterus salmoides</i>	Largemouth Bass	3-5,11,16,20
<i>Pomoxis annularis</i>	White Crappie	3-5,10,11,16,20
<i>Pomoxis nigromaculatus</i>	Black Crappie	3,4,10,16,17,20

PERCIDAE - PERCHES

(L) <i>Ammocrypta clara</i>	Western Sand Darter	4
<i>Etheostoma caeruleum</i>	Rainbow Darter	1,4
<i>Etheostoma exile</i>	Iowa Darter	1,2,12,17,20
<i>Etheostoma flabellare</i>	Fantail Darter	1,2,11,15,17
<i>Etheostoma nigrum</i>	Johnny Darter	1,2,4,7,8,11,15,17,19,20
<i>Etheostoma zonale</i>	Banded Darter	4
<i>Perca flavescens</i>	Yellow Perch	2,4,5,10,11
<i>Percina caprodes</i>	Logperch	4,20
<i>Percina maculata</i>	Blackside Darter	4,17,19,20
<i>Percina phoxocephala</i>	Slenderhead Darter	1,4,7,17,19,20
<i>Stizostedion canadense</i>	Sauger	1,3-5,15
<i>Stizostedion vitreum</i>	Walleye	2,3,5,8,19,20

SCIAENIDAE - DRUMS

Aplodinotus grunniens                      Freshwater Drum      1,3,5,10,11,13,17,19,20

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Survey Source:

1. UM/Bell Museum (Lower Minnesota River watershed): 1953-56
2. UM/Bell Museum (Lower Minnesota River watershed): 1967 and  
1969
3. MDNR/Fisheries (Lower Minnesota River): 1958-59
4. UM/Bell Museum (Lower Minnesota River): 1975-76
5. MDNR/Ecological Services (Lower Minnesota River): 1984
6. UM/Bell Museum (Rush River): 1954
7. UM/Bell Museum (Sand Creek): 1954
8. MDNR/Fisheries (High Island Creek): 1980
9. MDNR/Ecological Services: (High Island Creek): 1986
10. MDNR/Fisheries (Gifford Lake): 1981
11. MDNR/Fisheries (Purgatory Creek): 1954
12. MDNR/Fisheries (Eagle Creek): 1954
13. MDNR/Fisheries (Eagle Creek): 1967
14. MDNR/Fisheries (Eagle Creek): 1980
15. MDNR/Fisheries (Credit River): 1985
16. MDNR/Fisheries (Nine Mile Creek): 1967 and 1971
17. Konrad Schmidt (Minnesota Valley Trail): 1987-89
18. UM/Bell Museum (Credit River): 1931-35
19. MDNR/Ecological Services (Rush River and Carver Rapids): 1990
20. Konrad Schmidt (Minnesota Valley Nat'l Wildlife Refuge): 1990
21. UM/Bell Museum (Minnesota River-Belle Plaine): 1899
22. MDNR/Fisheries (Minnesota River-Carver Rapids): 1989

23. MDNR/Fisheries-angler's creel (Minnesota River-Mankato and  
St.Peter): 1991 and 1992

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WILLIAM O'BRIEN STATE PARK

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FAMILY

Scientific Name	Common Name	Survey
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PETROMYZONTIDAE - LAMPREYS

Ichthyomyzon castaneus	Chestnut Lamprey	3
Ichthyomyzon unicuspis	Silver Lamprey	3

ACIPENSERIDAE - STURGEONS

(S) Acipenser fulvescens	Lake Sturgeon	2,4,5
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LEPISOSTEIDAE - GARS

Lepisosteus osseus	Longnose Gar	5,9
Lepisosteus platostomus	Shortnose Gar	5

AMIIDAE - BOWFINS

Amia calva	Bowfin	3,5
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ANGUILLIDAE - FRESHWATER EELS

(L) Anguilla rostrata	American Eel	5
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CLUPEIDAE - HERRINGS

(L)	<i>Alosa chrysochloris</i>	Skipjack Herring	10,11
	<i>Dorosoma cepedianum</i>	Gizzard Shad	4,5,8

#### HIODONTIDAE - MOONEYES

	<i>Hiodon alosoides</i>	Goldeye	5
	<i>Hiodon tergisus</i>	Mooneye	3,5

#### SALMONIDAE - TROUTS

(E)	<i>Oncorhynchus mykiss</i>	Rainbow Trout	7
	<i>Salvelinus fontinalis</i>	Brook Trout	6,7,9

#### UMBRIDAE - MUDMINNOWS

	<i>Umbra limi</i>	Central Mudminnow	7
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#### ESOCIDAE - PIKES

	<i>Esox lucius</i>	Northern Pike	3,5,9
	<i>Esox masquinongy</i>	Muskellunge	5

#### CYPRINIDAE - MINNOWS

(E)	<i>Cyprinus carpio</i>	Common Carp	3-5,8,9
	<i>Cyprinella spiloptera</i>	Spotfin Shiner	1,9
	<i>Luxilus cornutus</i>	Common Shiner	7
(L)	<i>Macrhybopsis aestivalis</i>	Speckled Chub	1
	<i>Macrhybopsis storeriana</i>	Silver Chub	4,5
	<i>Nocomis biguttatus</i>	Hornyhead Chub	9
	<i>Notemigonus crysoleucas</i>	Golden Shiner	6
	<i>Notropis atherinoides</i>	Emerald Shiner	1,3,9
	<i>Notropis blennius</i>	River Shiner	1
	<i>Notropis hudsonius</i>	Spottail Shiner	1,5,9

	<i>Notropis stramineus</i>	Sand Shiner	1,3,9
	<i>Notropis volucellus</i>	Mimic Shiner	1,3,9
(S)	<i>Opsopoeodus emiliae</i>	Pugnose Minnow	2
	<i>Pimephales notatus</i>	Bluntnose Minnow	1,3,9
	<i>Pimephales promelas</i>	Fathead Minnow	6,9
(L)	<i>Pimephales vigilax</i>	Bullhead Minnow	5
	<i>Rhinichthys cataractae</i>	Longnose Dace	7,9

#### CATOSTOMIDAE - SUCKERS

	<i>Carpiodes carpio</i>	River Carpsucker	1,3
	<i>Carpiodes cyprinus</i>	Quillback	3-5,9
	<i>Carpiodes velifer</i>	Highfin Carpsucker	3
	<i>Catostomus commersoni</i>	White Sucker	3-5,7,9
(S)	<i>Cycleptus elongatus</i>	Blue Sucker	3
	<i>Hypentelium nigricans</i>	Northern Hog Sucker	1,3,9
	<i>Ictiobus bubalus</i>	Smallmouth Buffalo	3-5,9
	<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	5
	<i>Minytrema melanops</i>	Spotted Sucker	3-5
	<i>Moxostoma anisurum</i>	Silver Redhorse	3-6,9
(L)	<i>Moxostoma carinatum</i>	River Redhorse	3-5
	<i>Moxostoma erythrurum</i>	Golden Redhorse	1,3,4,9
	<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	3-5,9

#### ICTALURIDAE - BULLHEAD CATFISHES

	<i>Ameiurus melas</i>	Black Bullhead	5,8
	<i>Ameiurus natalis</i>	Yellow Bullhead	3,8
	<i>Ictalurus punctatus</i>	Channel Catfish	4,5
	<i>Noturus flavus</i>	Stonecat	1,9

<i>Pylodictis olivaris</i>	Flathead Catfish	1,3-5
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PERCOPSIDAE - TROUT-PERCHES

<i>Percopsis omiscomaycus</i>	Trout-perch	4,9
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GADIDAE - CODFISHES

<i>Lota lota</i>	Burbot	1,5,7,9
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ATHERINIDAE - SILVERSIDES

<i>Labidesthes sicculus</i>	Brook Silverside	1,3,5,9
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GASTEROSTEIDAE - STICKLEBACKS

<i>Culaea inconstans</i>	Brook Stickleback	6
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PERCICHTHYIDAE - TEMPERATE BASSES

<i>Morone chrysops</i>	White Bass	1,3-5
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CENTRARCHIDAE - SUNFISHES

<i>Ambloplites rupestris</i>	Rock Bass	3,5,9
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<i>Lepomis cyanellus</i>	Green Sunfish	7-9
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<i>Lepomis gibbosus</i>	Pumpkinseed	5,9
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<i>Lepomis humilis</i>	Orangespotted Sunfish	1
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<i>Lepomis macrochirus</i>	Bluegill	3-5,7-9
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<i>Micropterus dolomieu</i>	Smallmouth Bass	3,5,9
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<i>Micropterus salmoides</i>	Largemouth Bass	1,3,8,9
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<i>Pomoxis annularis</i>	White Crappie	3-5,8,9
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<i>Pomoxis nigromaculatus</i>	Black Crappie	3,5,8,9
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PERCIDAE - PERCHES

(S)	<i>Ammocrypta asprella</i>	Crystal Darter	2
(L)	<i>Ammocrypta clara</i>	Western Sand Darter	1,3,9
	<i>Etheostoma caeruleum</i>	Rainbow Darter	1,7,9
	<i>Etheostoma flabellare</i>	Fantail Darter	1,9
	<i>Etheostoma nigrum</i>	Johnny Darter	1,9
	<i>Perca flavescens</i>	Yellow Perch	3-5,8
	<i>Percina caprodes</i>	Logperch	1,3-5,9
(L)	<i>Percina evides</i>	Gilt Darter	1,3
	<i>Percina maculata</i>	Blackside Darter	9
	<i>Percina phoxocephala</i>	Slenderhead Darter	1,9
	<i>Percina shumardi</i>	River Darter	1,9
	<i>Stizostedion canadense</i>	Sauger	3-5
	<i>Stizostedion vitreum</i>	Walleye	3-5

#### SCIAENIDAE - DRUMS

<i>Aplodinotus grunniens</i>	Freshwater Drum	3-5
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#### Survey Source:

1. UM/Bell Museum (St. Croix River below Taylors Falls): 1960-68
2. WDNR/Research Bureau (St. Croix River below Taylors Falls):  
1975-83 [Special Concern species only]
3. MDNR/Ecological Services (St. Croix River below Taylors  
Falls): 1989
4. MDNR/Ecological Services (Lake St. Croix): 1967-68
5. MDNR/Fisheries (Lake St. Croix): 1967-68
6. MDNR/Fisheries (Old Mill Creek): 1968
7. MDNR/Fisheries (Old Mill Creek): 1979
8. MDNR/Fisheries (Lake Alice): 1979

9. Konrad Schmidt (William O'Brien State Park): 1976-93
10. Greene (St. Croix River-Hudson): 1908
11. Greene (St. Croix River-Hudson): 1928