
HERPETILES AND FISH

AN UPDATED LIST OF THE FISHES OF SASKATCHEWAN

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The Saskatchewan Conservation Data Centre provides information for the conservation of Saskatchewan's biological diversity (see article on page 189 this issue). A basic role of the Centre is to maintain up-to-date species lists with Provincial and Global species' ranks (a species' estimated status) based on standardized methods developed by The Nature Conservancy over the past 24 years. An updated list of the fishes of Saskatchewan is presented (Table 1).

Recognizing that all ranking systems are meant to categorize species using artificial criteria and within non-biological political jurisdictions, and that information available for most species is often minimal at best, these lists are best thought of as preliminary or "working" documents. Their usefulness lies in providing a framework upon which discussions and suggestions for revisions can follow. They also identify gaps in our knowledge and help focus and prioritize future research and conservation efforts. If you have suggestions for improving the list (i.e., additions, deletions, or changes), or information on the occurrence of rare Saskatchewan fish species (SRANK \leq S3, see below), please contact the Saskatchewan Conservation Data Centre. Updated species lists are available from the Centre.

SPECIES RANKS

Brief definitions of global and provincial species ranks used by the Centre (denoted as GRANK and SRANK, respectively) are given below. Contact the Saskatchewan Conservation Data Centre for a more complete explanation of these ranks, including the use of ranking qualifiers for questionable species, subspecies and varieties, and the priority sequence of ranks.

GRANKs

G1 = critically imperiled globally

G2 = imperiled globally

G3 = either very rare and local throughout its range or found locally in a restricted range

G4 = apparently secure globally

G5 = demonstrably secure globally

GH = of historical occurrence throughout its range

GU = possibly in peril range-wide but status uncertain

GX = believed to be extinct throughout range

G? = not ranked to date

GQ = taxonomic status uncertain

SRANKs

S1 = Critically imperiled in the province

S2 = Imperiled in the province

S3 = Rare or uncommon in the province

S4 = Widespread, abundant, and apparently secure in the province, but with cause for long-term concern

S5 = Demonstrably widespread, abundant, and secure

S#S# = Numeric range rank

S? = Unranked

SE = Exotic

SA = Accidental

SP = Potential

SR = Reported

SRF = Reported falsely

SH = Historical

SU = Unrankable

SX = Extirpated

LITERATURE

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ACKNOWLEDGEMENTS

I would like to thank Joyce Belcher, Maynard Chen, Ron Jensen, Jeff Keith, Kurt Mazer, Bruce McCulloch, Al Murray, Keith Roney, Bill Sawchyn, Ken Stewart and staff of The Nature Conservancy and of the Royal Saskatchewan Museum for their critical review and input.

Table 1.

SASKATCHEWAN FISH SPECIES LIST

SCIENTIFIC NAME	COMMON NAME	RANKS SASK. GLOBAL	DRAINAGE BASIN*
CLASS: CEPHALASPIDOMORPHI			
FAMILY: PETROMYZONTIDAE			
ICHTHYOMYZON CASTANEUS	CHESTNUT LAMPREY	S3S4 G5	HB
CLASS: OSTEICHTHYES			
FAMILY: ACIPENSERIDAE			
ACIPENSER FULVESCENS	LAKE STURGEON	S2 G3	HB
FAMILY: ANGUILLIDAE			
ANGUILLA ROSTRATA	AMERICAN EEL	SE G5	HB
FAMILY: CATOSTOMIDAE			
CARPIOIDES CYPRINUS	QUILLBACK	S3S4 G5	HB
CATOSTOMUS CATOSTOMUS	LONGNOSE SUCKER	S5 G5	HB A
CATOSTOMUS COMMERSONI	WHITE SUCKER	S5 G5	HB A
CATOSTOMUS PLATYRHYNCHUS	MOUNTAIN SUCKER	S3 G5	HB
ICTIOBUS CYPRINELLUS	BIGMOUTH BUFFALO	S3S4 G5	HB
MOXOSTOMA ANISURUM	SILVER REDHORSE	S3S4 G5	HB
MOXOSTOMA MACROLEPIDOTUM	SHORTHEAD REDHORSE	S4S5 G5	HB
FAMILY: CYPRINIDAE			
CARASSIUS AURATUS	GOLDFISH	SE G5	HB
COUESIUS PLUMBEUS	LAKE CHUB	S5 G5	HB A
CYPRINUS CARPIO	COMMON CARP	SE G5	HB
HYBOGNATHUS ARGYRITIS	W. SILVERY MINNOW	S3S4 G5	HB

HYBOGNATHUS HANKINSONI									
NOTEMIGONUS CRYSOLEUCAS									
NOTROPIS ATHERINOIDES									
NOTROPIS BLENNIUS									A
NOTROPIS DORSALIS									
NOTROPIS HETERODON									
NOTROPIS HETEROLEPIS									
NOTROPIS HUDSONIUS									A
NOTROPIS STRAMINEUS									
NOTROPIS TEXANUS									
NOTROPIS VOLUCELLUS									
NOTROPIS MELANOSTOMUS									
PHOXINUS EOS									
PHOXINUS NEOGAEUS									
PIMEPHALES PROMELAS									A
RHINICHTHYS ATRATULUS									
RHINICHTHYS CATARACTAE									A
SEMOTILUS ATROMACULATUS									
CYPRINELLA SPILOPTERA									
LUXILUS CORNUTUS									
MARGARISCUS MARGARITA									A
PLATYGOBIO GRACILIS									A
FAMILY: GADIDAE									
LOTA LOTA									
FAMILY: GASTEROSTEIDAE									
CULAEA INCONSTANS									
PUNGITIUS PUNGITIUS									
FAMILY: HIODONTIDAE									
HIODON ALOSOIDES									
BRASSY MINNOW	S3S4	G5	G						
GOLDEN SHINER	S3S4	G5							
EMERALD SHINER	S5	G5							
RIVER SHINER	S3S4	G5							
BIGMOUTH SHINER	SP	G5	G						
BLACKCHIN SHINER	SP	G5	G						
BLACKNOSE SHINER	S4S5	G5							
SPOTTAIL SHINER	S5	G5							
SAND SHINER	S3S4	G5							
WEED SHINER	SP	G5	G						
MIMIC SHINER	SP	G5	G						
BLACKMOUTH SHINER	SP	G1							
N. REDBELLY DACE	S3S4	G5	G						
FINESCALE DACE	S5	G5	G						
FATHEAD MINNOW	S5	G5	G						
BLACKNOSE DACE	S3S4	G5							
LONGNOSE DACE	S5	G5	G						
CREEK CHUB	S3S4	G5	G						
SPOTFIN SHINER	SP	G5	G						
COMMON SHINER	S3S4	G5							
PEARL DACE	S5	G5	G						
FLATHEAD CHUB	S3S4	G5							
BURBOT									
	S5	G5	G						
BROOK STICKLEBACK									
	S5	G5	G						
NINESPINE STICKLEBACK									
	S5	G5							
GOLDEYE									
	S3S4	G5	G						

HIODON TERGISUS	MOONEYE	S3	G5	HB	
FAMILY: CENTRARCHIDAE					
AMBLOPLITES RUPESTRIS	ROCK BASS	S3S4	G5	HB	
MICROPTERUS DOLOMIEU	SMALLMOUTH BASS	SE	G5	HB	
MICROPTERUS SALMOIDES	LARGEMOUTH BASS	SE	G5	HB	
FAMILY: PERCIDAE					
ETHEOSTOMA EXILE	IOWA DARTER	S5	G5	HB	A
ETHEOSTOMA NIGRUM	JOHNNY DARTER	S5	G5	HB	
PERCA FLAVESCENS	YELLOW PERCH	S5	G5	HB	A
PERCINA CAPRODES	LOGPERCH	S5	G5	HB	
PERCINA MACULATA	BLACKSIDE DARTER	S3S4	G5	HB	
PERCINA SHUMARDI	RIVER DARTER	SP	G5	HB	
STIZOSTEDION CANADENSE	SAUGER	S5	G5	HB	
STIZOSTEDION VITREUM	WALLEYE	S5	G5	HB	A
FAMILY: SCIAENIDAE					
APLODINOTUS GRUNNIENS	FRESHWATER DRUM	SE	G5	HB	
FAMILY: PERCOPSIDAE					
PERCOPSIS OMISCOMAYCUS	TROUT-PERCH	S5	G5	HB	A
FAMILY: ESOCIDAE					
ESOX LUCIUS	NORTHERN PIKE	S5	G5	HB	A
FAMILY: SALMONIDAE					
COREGONUS ARTEDI	CISCO OR LAKE HERRING	S5	G5	HB	A
COREGONUS CLUPEAFORMIS	LAKE WHITEFISH	S5	G5	HB	A
COREGONUS NIGRIPINNIS	BLACKFIN CISCO	SU	GXQ	HB	A
COREGONUS ZENITHICUS	SHORTJAW CISCO	S2S3	G3		A
ONCORHYNCHUS NERKA	SOCKEYE SALMON	SE	G5	HB	A

ONCORHYNCHUS CLARKI	CUTTHROAT TROUT	SE	G5	HB	
ONCORHYNCHUS MYKISS	RAINBOW TROUT	SE	G5	HB	A
PROSOPIUM CYLINDRACEUM	ROUND WHITEFISH	S5	G5	HB	A
PROSOPIUM WILLIAMSONI	MOUNTAIN WHITEFISH	SP	G5	HB	A
SALMO TRUTTA	BROWN TROUT	SE	G5	HB	A
SALVELINUS FONTINALIS	BROOK TROUT	SE	G5	HB	A
SALVELINUS NAMAYCUSH	LAKE TROUT	S5	G5	HB	A
THYMALLUS ARCTICUS	ARCTIC GRAYLING	S5	G5	HB	A
FAMILY: UMBRIDAE					
UMBRA LIMI	CENTRAL MUDMINNOW	S2S3	G5	HB	
FAMILY: COTTIDAE					
COTTUS BAIRDI	MOTTLED SCULPIN	SP	G5	HB	
COTTUS COGNATUS	SLIMY SCULPIN	S5	G5	HB	A
COTTUS RICEI	SPOONHEAD SCULPIN	S5	G5	HB	A
MYOXOCEPHALUS THOMPSONI	DEEPWATER SCULPIN	S5	G5	HB	A
FAMILY: ICTALURIDAE					
ICTALURUS PUNCTATUS	CHANNEL CATFISH	S1S2	G5	HB	
NOTURUS FLAVUS	STONECAT	S2S3	G5		G
NOTURUS GYRINUS	TADPOLE MADTOM	S2S3	G5	HB	
AMEIURUS MELAS	BLACK BULLHEAD	S3S4	G5	HB	
AMEIURUS NEBULOSUS	BROWN BULLHEAD	S3	G5	HB	G

* Drainage Basins: G = Gulf of Mexico (Missouri), HB = Hudson Bay, A = Arctic