



APPENDIX I

AQUATIC RESOURCES BASELINE

- I-1 Compiled Fish Species List
- I-2 2011 Aquatics Baseline
- I-3 2012 Aquatics Baseline
- I-4 2013 Aquatics Baseline
- I-5 2013 Aquatics Baseline: Pinewood River / Highway 600 Crossing



APPENDIX I-1

COMPILED FISH SPECIES LIST

Table I-1: Compiled Fish Species List

Common Name	Latin Name	Federal COSEWIC Status	Provincial COSSARO Status	PROVINCIAL S-Rank (NHIC)	Protective Legislation ^{14, 15,16}
Fish					
Black Crappie ^{3,4}	<i>Pomoxis nigromaculatus</i>	--	--	S4	--
Blackchin Shiner ^{2,3}	<i>Notropis heterodon</i>	NAR	--	S4	--
Blacknose Dace ²	<i>Rhinichthys atratulus</i>	--	--	S5	--
Blackside Darter ^{1,2,4}	<i>Percina maculata</i>	--	--	S4	--
Brassy Minnow ^{1,2,3}	<i>Hybognathus hankinsoni</i>	--	--	S5	--
Brook Stickleback ^{1,2,3,4}	<i>Culaea inconstans</i>	--	--	S5	--
Brown Bullhead ^{1,2,3}	<i>Ameiurus nebulosus</i>	--	--	S5	--
Central Mudminnow ^{1,2,3,4}	<i>Umbra limi</i>	--	--	S5	--
Common Shiner ^{1,2,3,4}	<i>Luxilus cornutus</i>	--	--	S5	--
Creek Chub ^{1,2,3,4}	<i>Semotilus atromaculatus</i>	--	--	S5	--
Emerald Shiner ^{1,2,3,4}	<i>Notropis atherinoides</i>	--	--	S5	--
Fathead Minnow ^{1,2,3,4}	<i>Pimephales promelas</i>	--	--	S5	--
Finescale Dace ^{1,2,3}	<i>Phoxinus neogaeus</i>	--	--	S5	--
Golden Shiner ^{1,2,3,4}	<i>Notemigonus crysoleucas</i>	--	--	S5	--
Hornyhead Chub ⁴	<i>Nocomis biguttatus</i>	NAR	--	S4	--
Iowa Darter ¹	<i>Etheostoma exile</i>	--	--	S5	--
Johnny Darter ^{2,3,4}	<i>Etheostoma nigrum</i>	--	--	S5	--
Lake Chub ¹	<i>Couesius plumbeus</i>	--	--	S5	--
Lake Sturgeon ^{4,5}	<i>Acipenser fulvescens</i>	--	THR	S2	ESA
Log Perch ⁴	<i>Percina caprodes</i>	--	--	S5	--
Mimic Shiner ¹	<i>Notropis volucellus</i>	--	--	S5	--
Northern Pearl Dace ^{1,2,3}	<i>Margariscus margarita</i>	--	--	S5	--
Northern Pike ^{1,2,3}	<i>Esox lucius</i>	--	--	S5	--
Northern Redbelly Dace ^{1,2,3,4}	<i>Phoxinus eos</i>	--	--	S5	--
Pumpkinseed ³	<i>Lepomis gibbosus</i>	--	--	S5	--
Rock Bass ^{3,4}	<i>Ambloplites rupestris</i>	--	--	S5	--
Sauger ³	<i>Sander canadensis</i>	--	--	S4	--
Shorthead Redhorse ³	<i>Moxostoma macrolepidotum</i>	--	--	S5	--
Smallmouth Bass ^{3,4}	<i>Micropterus dolomieu</i>	--	--	S5	--
Spottail Shiner ^{1,2,3}	<i>Notropis hudsonius</i>	--	--	S5	--
Trout-perch ^{3,4}	<i>Percopsis omiscomaycus</i>	--	--	S5	--
Walleye ^{3,4}	<i>Sander vitreus</i>	--	--	S5	--
White Sucker ^{1,2,3}	<i>Catostomus commersonii</i>	--	--	S5	--
Yellow Perch ^{3,4}	<i>Perca flavescens</i>	--	--	S5	--

- Notes:
- 1 Observed by KCB during 2009 and/or 2010 surveys (KCB 2011a; KCB 2011b)
 - 2 Observed by AMEC during 2011 surveys (AMEC 2011a; AMEC 2011b)
 - 3 Observed by AMEC during 2012 surveys (AMEC 2012a; AMEC 2012b)
 - 4 Refers to the Lake of the Woods, Rainy River Designatable Unit (DU6) (COSEWIC) and the Northwestern Ontario Population (MNR - SARO)
 - 5 Observed by AMEC and MNR during 2013 in the lower reaches of the Pinewood River (see Section 5.8.19)



Table I-1: Compiled Fish Species List

Federal COSEWIC Status		Provincial COSSARO Status		Provincial S-rank (NHIC)	
NAR	Not at Risk	NAR	Not at Risk	S1	Critically Imperilled
SC	Special Concern	SC	Special Concern	S2B	Imperilled - Breeding Migrants
THR	Threatened	THR	Threatened	S3?	Vulnerable - Rank Uncertain
END	Endangered	END	Endangered	S4	Apparently Secure
				S4B	Apparently Secure Breeding Migrants
				S4N	Apparently Secure Non-breeding Migrants
				S5	Secure
				S5B	Secure Breeding Migrants
				S5N	Secure Non-breeding Migrants
				SNA	Status Rank Not Applicable
				DD	Data Deficient