

**IBI GROUP** REPORT

DOWNTOWN TRAFFIC STUDY  
PROJECT FILE REPORT  
SCHEDULE B MUNICIPAL CLASS ENVIRONMENTAL ASSESSMENT

Submitted to The Corporation of the City of Sault Ste. Marie

# Appendix 7 – Natural Environment

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## Atlas summary: Species list for square 16GS05

### Atlas of the Breeding Birds of Ontario

Region	Square	Species	Max BE	Categ	#Sq	Atlasser Name	#PC	%PC	Abun	#Sq
35	16GS05	Canada Goose	FY	CONF	1	Ken Mcllwick	2	7.14	0.4643	1
35	16GS05	Wood Duck	P	PROB	1	Ken Mcllwick				
35	16GS05	Gadwall	H	POSS	1	Klaas Oswald				
35	16GS05	American Black Duck	FY	CONF	1	Ken Mcllwick				
35	16GS05	Mallard	NE	CONF	1		2	7.14	0.5	1
35	16GS05	Blue-winged Teal	FY	CONF	1	Klaas Oswald				
35	16GS05	Ring-necked Duck	P	PROB	1					
35	16GS05	Common Goldeneye	P	PROB	1					
35	16GS05	Hooded Merganser	P	PROB	1					
35	16GS05	Common Merganser	FY	CONF	1	Ken Mcllwick				
35	16GS05	Red-breasted Merganser	P	PROB	1					
35	16GS05	Ring-necked Pheasant	S	POSS	1	Ken Mcllwick				
35	16GS05	Ruffed Grouse	FY	CONF	1	Ken Mcllwick				
35	16GS05	Sharp-tailed Grouse	AE	CONF	1					
35	16GS05	Common Loon	P	PROB	1					
35	16GS05	Pied-billed Grebe	FY	CONF	1	Klaas Oswald				
35	16GS05	Double-crested Cormorant	H	POSS	1	Ken Mcllwick	2	7.14	0.5714	1
35	16GS05	American Bittern	T	PROB	1	Ken Mcllwick	1	3.57	0.0357	1
35	16GS05	Great Blue Heron	H	POSS	1	Ken Mcllwick	1	3.57	0.0357	1
35	16GS05	Black-crowned Night-Heron	H	POSS	1	Ken Mcllwick				
35	16GS05	Turkey Vulture	H	POSS	1	Ken Mcllwick				
35	16GS05	Osprey	P	PROB	1					
35	16GS05	Bald Eagle	H	POSS	1	Ken Mcllwick				
35	16GS05	Northern Harrier	P	PROB	1					
35	16GS05	Sharp-shinned Hawk	H	POSS	1	Ken Mcllwick				
35	16GS05	Northern Goshawk	H	POSS	1					
35	16GS05	Broad-winged Hawk	P	PROB	1					
35	16GS05	Red-tailed Hawk	T	PROB	1	Ken Mcllwick				
35	16GS05	American Kestrel	P	PROB	1	Ken Mcllwick				
35	16GS05	Merlin	NY	CONF	1	Ken Mcllwick				
35	16GS05	Peregrine Falcon	V	PROB	1					
35	16GS05	Virginia Rail	FY	CONF	1	Klaas Oswald				
35	16GS05	Sora	A	PROB	1	John Ralston				
35	16GS05	Sandhill Crane	P	PROB	1	John Ralston				
35	16GS05	Killdeer	NE	CONF	1	Ken Mcllwick				
35	16GS05	Rock Pigeon	NY	CONF	1	Ken Mcllwick	11	39.29	0.8571	1
35	16GS05	Spotted Sandpiper	FY	CONF	1					
35	16GS05	Solitary Sandpiper	T	PROB	1	Ken Mcllwick				
35	16GS05	Upland Sandpiper	A	PROB	1	Klaas Oswald				
35	16GS05	Common Snipe	D	PROB	1	Ken Mcllwick				
35	16GS05	American Woodcock	FY	CONF	1	Ken Mcllwick				
35	16GS05	Ring-billed Gull	FY	CONF	1		2	7.14	0.1071	1
35	16GS05	Herring Gull	AE	CONF	1	Ken Mcllwick	21	75	3.1071	1
35	16GS05	Common Tern	NY	CONF	1	Ken Mcllwick	1	3.57	0.0357	1
35	16GS05	Mourning Dove	NE	CONF	1	Ken Mcllwick	3	10.71	0.1071	1
35	16GS05	Black-billed Cuckoo	S	POSS	1	Ken Mcllwick				
35	16GS05	Barred Owl	T	PROB	1	Ken Mcllwick				
35	16GS05	Northern Saw-whet Owl	T	PROB	1	Ken Mcllwick				
35	16GS05	Common Nighthawk	D	PROB	1	Ken Mcllwick				
35	16GS05	Chimney Swift	D	PROB	1	Ken Mcllwick				
35	16GS05	Ruby-throated Hummingbird	FY	CONF	1	Ken Mcllwick				
35	16GS05	Belted Kingfisher	P	PROB	1		1	3.57	0.0357	1
35	16GS05	Yellow-bellied Sapsucker	NY	CONF	1	Ken Mcllwick				
35	16GS05	Downy Woodpecker	AE	CONF	1	Ken Mcllwick				
35	16GS05	Hairy Woodpecker	AE	CONF	1	Ken Mcllwick				
35	16GS05	Northern Flicker	AE	CONF	1	2 atlassers	1	3.57	0.0357	1
35	16GS05	Pileated Woodpecker	NY	CONF	1	Ken Mcllwick	1	3.57	0.0357	1
35	16GS05	Eastern Wood-Pewee	T	PROB	1	Ken Mcllwick				

Region	Square	Species	Max BE	Categ	#Sq	Atlasser Name	#PC	%PC	Abun	#Sq
35	16GS05	Alder Flycatcher	T	PROB	1	Ken Mcllwick				
35	16GS05	Least Flycatcher	T	PROB	1	Ken Mcllwick				
35	16GS05	Eastern Phoebe	NY	CONF	1					
35	16GS05	Great Crested Flycatcher	T	PROB	1	Ken Mcllwick	1	3.57	0.0357	1
35	16GS05	Eastern Kingbird	NY	CONF	1					
35	16GS05	Blue-headed Vireo	T	PROB	1	Ken Mcllwick				
35	16GS05	Warbling Vireo	T	PROB	1					
35	16GS05	Philadelphia Vireo	S	POSS	1					
35	16GS05	Red-eyed Vireo	CF	CONF	1	Klaas Oswald	11	39.29	0.5357	1
35	16GS05	Blue Jay	FY	CONF	1	Ken Mcllwick	1	3.57	0.0357	1
35	16GS05	American Crow	FY	CONF	1	Ken Mcllwick	22	78.57	2.1429	1
35	16GS05	Common Raven	FY	CONF	1		1	3.57	0.0357	1
35	16GS05	Tree Swallow	AE	CONF	1		2	7.14	0.1071	1
35	16GS05	Northern Rough-winged Swallow	AE	CONF	1	Ken Mcllwick				
35	16GS05	Bank Swallow	AE	CONF	1					
35	16GS05	Cliff Swallow	NY	CONF	1	Ken Mcllwick	1	3.57	0.1429	1
35	16GS05	Barn Swallow	NY	CONF	1	Ken Mcllwick	1	3.57	0.0714	1
35	16GS05	Black-capped Chickadee	CF	CONF	1		6	21.43	0.3929	1
35	16GS05	Red-breasted Nuthatch	NY	CONF	1	Ken Mcllwick				
35	16GS05	White-breasted Nuthatch	D	PROB	1	Klaas Oswald				
35	16GS05	Brown Creeper	T	PROB	1					
35	16GS05	House Wren	S	POSS	1	Ken Mcllwick				
35	16GS05	Winter Wren	T	PROB	1	Ken Mcllwick				
35	16GS05	Sedge Wren	S	POSS	1	John Ralston				
35	16GS05	Golden-crowned Kinglet	FY	CONF	1	Ken Mcllwick	1	3.57	0.0357	1
35	16GS05	Ruby-crowned Kinglet	T	PROB	1	Ken Mcllwick				
35	16GS05	Eastern Bluebird	P	PROB	1	Ken Mcllwick				
35	16GS05	Veery	T	PROB	1	Ken Mcllwick				
35	16GS05	Swainson's Thrush	T	PROB	1	Ken Mcllwick				
35	16GS05	Hermit Thrush	T	PROB	1	Ken Mcllwick				
35	16GS05	Wood Thrush	T	PROB	1	Ken Mcllwick				
35	16GS05	American Robin	FY	CONF	1	Ken Mcllwick	13	46.43	0.6071	1
35	16GS05	Gray Catbird	CF	CONF	1	Klaas Oswald	1	3.57	0.0714	1
35	16GS05	Northern Mockingbird	H	POSS	1	Klaas Oswald				
35	16GS05	Brown Thrasher	AE	CONF	1	Ken Mcllwick				
35	16GS05	European Starling	FY	CONF	1	Ken Mcllwick	19	67.86	3.1071	1
35	16GS05	Cedar Waxwing	AE	CONF	1		3	10.71	0.1071	1
35	16GS05	Tennessee Warbler	S	POSS	1					
35	16GS05	Nashville Warbler	FY	CONF	1	Klaas Oswald	5	17.86	0.1786	1
35	16GS05	Yellow Warbler	CF	CONF	1	Stan Phippen	2	7.14	0.1429	1
35	16GS05	Chestnut-sided Warbler	A	PROB	1	Ken Mcllwick	1	3.57	0.0714	1
35	16GS05	Magnolia Warbler	T	PROB	1	Ken Mcllwick				
35	16GS05	Black-throated Blue Warbler	T	PROB	1	Ken Mcllwick				
35	16GS05	Yellow-rumped Warbler	CF	CONF	1	Klaas Oswald	2	7.14	0.0714	1
35	16GS05	Black-throated Green Warbler	T	PROB	1					
35	16GS05	Blackburnian Warbler	T	PROB	1	Ken Mcllwick				
35	16GS05	Pine Warbler	T	PROB	1	Ken Mcllwick				
35	16GS05	Black-and-white Warbler	T	PROB	1	Ken Mcllwick				
35	16GS05	American Redstart	NB	CONF	1	John Ralston				
35	16GS05	Ovenbird	T	PROB	1	Ken Mcllwick	2	7.14	0.0714	1
35	16GS05	Mourning Warbler	CF	CONF	1	Klaas Oswald	2	7.14	0.0714	1
35	16GS05	Common Yellowthroat	A	PROB	1	Klaas Oswald	3	10.71	0.1071	1
35	16GS05	Canada Warbler	S	POSS	1					
35	16GS05	Chipping Sparrow	CF	CONF	1	Klaas Oswald	8	28.57	0.3214	1
35	16GS05	Clay-colored Sparrow	CF	CONF	1	Klaas Oswald				
35	16GS05	Vesper Sparrow	T	PROB	1					
35	16GS05	Savannah Sparrow	CF	CONF	1	Klaas Oswald	2	7.14	0.0714	1
35	16GS05	Le Conte's Sparrow	T	PROB	1	Klaas Oswald				
35	16GS05	Song Sparrow	FY	CONF	1	Ken Mcllwick	24	85.71	1.3214	1
35	16GS05	Swamp Sparrow	FY	CONF	1	Klaas Oswald	1	3.57	0.0357	1
35	16GS05	White-throated Sparrow	FY	CONF	1	Ken Mcllwick	2	7.14	0.1071	1

Region	Square	Species	Max BE	Categ	#Sq	Atlasser Name	#PC	%PC	Abun	#Sq
35	16GS05	Dark-eyed Junco	P	PROB	1	Ken Mcllwick				
35	16GS05	Northern Cardinal	FY	CONF	1					
35	16GS05	Rose-breasted Grosbeak	T	PROB	1	Ken Mcllwick				
35	16GS05	Indigo Bunting	A	PROB	1	Klaas Oswald	3	10.71	0.1071	1
35	16GS05	Bobolink	FY	CONF	1	Ken Mcllwick				
35	16GS05	Red-winged Blackbird	NY	CONF	1	Stan Phippen	1	3.57	0.1071	1
35	16GS05	Eastern Meadowlark	V	PROB	1	Ken Mcllwick				
35	16GS05	Rusty Blackbird	P	PROB	1		1	3.57	0.0357	1
35	16GS05	Brewer's Blackbird	P	PROB	1					
35	16GS05	Common Grackle	AE	CONF	1	Ken Mcllwick	3	10.71	0.2857	1
35	16GS05	Brown-headed Cowbird	FY	CONF	1	Klaas Oswald				
35	16GS05	Baltimore Oriole	AE	CONF	1	Ken Mcllwick				
35	16GS05	Purple Finch	T	PROB	1		1	3.57	0.0357	1
35	16GS05	Pine Siskin	T	PROB	1	Ken Mcllwick				
35	16GS05	American Goldfinch	T	PROB	1	Ken Mcllwick	4	14.29	0.1786	1
35	16GS05	Evening Grosbeak	P	PROB	1	Ken Mcllwick				
35	16GS05	House Sparrow	CF	CONF	1					

### LEGEND

#### Breeding Evidence

**Max BE:** Highest Breeding Evidence recorded

**Categ:** Highest Breeding Category recorded (OBS=observed, POSS=possible, PROB=probable, CONF=confirmed)

**#Sq:** Number of squares with species (Breeding Evidence)

**Atlasser name:** Name of atlasser who reported the highest breeding evidence (if they accepted that their name be displayed). If more than one person provided the same breeding evidence code, then only the number of atlassers is listed.

#### Point Counts

**#PC:** Number of Point Counts with species

**%PC:** Percent of Point Counts with species

**Abun:** Average number of birds per Point Count

**#Sq:** Number of squares with species (Point Counts)

# SAULT STE. MARIE DISTRICT SPECIES AT RISK LIST (v. August 2017)

**IMPORTANT:** This list identifies Species at Risk known to occur within the District. Prior to conducting surveys for any of these species please contact an MNRF biologist for survey protocols and timing. Please visit our website at [www.ontario.ca/environment-and-energy/species-risk-ontario-list](http://www.ontario.ca/environment-and-energy/species-risk-ontario-list) to access the supporting documents identified below. Policy guidance on harm/harass and damage/destroy under the Endangered Species Act, 2007 can be accessed online at [www.ontario.ca/page/how-species-risk-are-protected](http://www.ontario.ca/page/how-species-risk-are-protected)

Species Common Name	Species Scientific Name	SARO Status	Habitat Protection	Supporting Documents			
				Recovery Strategy	Management Plan	Government Response Statement	Habitat Description
<b>Birds<sup>1</sup></b>							
American White Pelican (N)	<i>Pelecanus erythrorhynchos</i>	THR	Regulated	2011		2011	see Regulation
Bald Eagle	<i>Haliaeetus leucocephalus</i>	SC	None		2014	2015	
Bank Swallow	<i>Riparia riparia</i>	THR	General	2016			
Barn Swallow	<i>Hirundo rustica</i>	THR	General	2014		2015	2013
Black Tern	<i>Chlidonias niger</i>	SC	None		2013	2014	
Bobolink	<i>Dolichonyx oryzivorus</i>	THR	General	2013		2015	2013
Canada Warbler	<i>Wilsonia canadensis</i>	SC	None				
Chimney Swift	<i>Chaetura pelagica</i>	THR	General				2013
Common Nighthawk	<i>Chordeiles minor</i>	SC	None				
Eastern Meadowlark	<i>Sturnella magna</i>	THR	General	2013		2015	2013
Eastern Whip-poor-will	<i>Antrostomus vociferus</i>	THR	General				2013
Eastern Wood-Pewee	<i>Contopus virens</i>	SC	None				
Grasshopper Sparrow	<i>Ammodramus savannarum</i>	SC	None				
Golden Eagle (N)	<i>Aquila chrysaetos</i>	END	General	2015		2016	
Golden-winged Warbler	<i>Vermivora chrysoptera</i>	SC	None				
King Rail	<i>Rallus elegans</i>	END	General	2016			
Kirtland's Warbler	<i>Dendroica kirtlandii</i>	END	General	2016			
Least Bittern	<i>Ixobrychus exilis</i>	THR	General	2016			
Olive-sided Flycatcher	<i>Contopus cooperi</i>	SC	None				
Peregrine Falcon	<i>Falco peregrinus</i>	SC	None	2010		2010	
Red-headed Woodpecker	<i>Melanerpes erythrocephalus</i>	SC	None				
Short-eared Owl	<i>Asio flammeus</i>	SC	None				
Wood Thrush	<i>Hylocichla mustelina</i>	SC	None				
Yellow Rail	<i>Coturnicops noveboracensis</i>	SC	None				
<b>Reptiles</b>							
Blanding's Turtle	<i>Emydoidea blandingii</i>	THR	General				2013
Massasauga Rattlesnake	<i>Sistrurus catenatus</i>	THR	General	2016			2013

Species Common Name	Species Scientific Name	SARO Status	Habitat Protection	Supporting Documents			
				Recovery Strategy	Management Plan	Government Response Statement	Habitat Description
Snapping Turtle	<i>Chelydra serpentina</i>	SC	None				
Wood Turtle	<i>Glyptemys insculpta</i>	END	Regulated	2010		2010	see Regulation
<b>Mammals</b>							
Mountain Lion (Cougar)	<i>Puma concolor</i>	END	General				
Eastern Small-footed Myotis	<i>Myotis leibii</i>	END	General				
Little Brown Myotis	<i>Myotis lucifugus</i>	END	General				
Northern Myotis	<i>Myotis septentrionalis</i>	END	General				
Tri-colored Bat	<i>Perimyotis sublavus</i>	END	General				
Woodland Caribou	<i>Rangifer tarandus caribou</i>	THR	General	2008		2009	2013
<b>Invertebrates</b>							
Monarch	<i>Danaus plexippus</i>	SC	None				
Rusty-patched Bumblebee	<i>Bombus affinis</i>	END	Regulated	2011		2012	see Regulation
West Virginia White	<i>Pieris virginiensis</i>	SC	None		2013	2014	
Yellow-banded Bumble Bee	<i>Bombus terricola</i>	SC	None				
<b>Plants</b>							
Butternut <sup>2</sup>	<i>Juglans cinerea</i>	END	General	2013		2014	
<b>Fish &amp; Mussels</b>							
Lake Sturgeon	<i>Acipenser fulvescens</i>	THR	General	2011			
American Eel	<i>Anguilla rostrata</i>	END	General	2013			
Hickorynut	<i>Obovaria olivaria</i>	END	General				
Northern Brook Lamprey	<i>Ichthyomyzon fossor</i>	SC	None				
Redside Dace	<i>Clinostomus elongatus</i>	END	Regulated	2010		2010	see Regulation
Short-jaw Cisco	<i>Coregonus zenithicus</i>	THR	General				
Silver Lamprey	<i>Ichthyomyzon unicuspis</i>	SC	None				

<sup>1</sup>All bird species listed are considered breeding species unless otherwise denoted. "N" – Nonbreeding.

<sup>2</sup>Occurrences are presumed to be the result of cultivation and as a result Subsection 23.7(11) of Ontario Regulation 242/08 may apply.



Species Common Name	Species Scientific Name	Survey Timing																																	
		Jan	Feb	March				April				May				June				July				August				Sept				October			
Reptiles (continued)		Week		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Wood Turtle	<i>Glyptemys insculpta</i>																																		
Mammals																																			
Mountain Lion (Cougar)	<i>Puma concolor</i>																																		
Eastern Small-footed Myotis	<i>Myotis leibii</i>																																		
Little Brown Myotis	<i>Myotis lucifugus</i>																																		
Northern Myotis	<i>Myotis septentrionalis</i>																																		
Tri-colored Bat	<i>Perimyotis sublavus</i>																																		
Woodland Caribou	<i>Rangifer tarandus caribou</i>																																		
Invertebrates (Arthropods)																																			
Monarch	<i>Danaus plexippus</i>																																		
Rusty-patched Bumblebee	<i>Bombus affinis</i>																																		
West Virginia White	<i>Pieris virginiensis</i>																																		
Yellow-banded Bumble Bee	<i>Bombus terricola</i>																																		
Plants																																			
Butternut	<i>Juglans cinerea</i>																																		
Fish & Mussels																																			
American Eel	<i>Anguilla rostrata</i>																																		
Hickorynut	<i>Obovaria olivaria</i>																																		
Lake Sturgeon	<i>Acipenser fulvescens</i>																																		
Northern Brook Lamprey	<i>Ichthyomyzon fossor</i>																																		
Redside Dace	<i>Clinostomus elongatus</i>																																		
Short-jaw Cisco	<i>Coregonus zenithicus</i>																																		
Silver Lamprey	<i>Ichthyomyzon unicuspis</i>																																		

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