

APPENDIX B

FISH AND WILDLIFE HABITAT OCCURANCE DATA

Source: CEIP IV - Oil Spill Response Model - St. Lawrence River
(Tables 1-5)

x occurrence
o rare occurrence
o uncommon occurrence
o common occurrence
+ casual sighting
L local occurrence
P permanent resident
R resident
S present, not in breeding
habitat during breeding season
M
B
W
x (winter) birds

Table 1 Mammals of documented occurrence along the international sector of the ... Laurence River.

COMMON NAME	SEASONAL				HABITATS				OTHER								
	Common	Occasional	Rare	Ice	Open water	Shoal/line	Wetlands	Woodlands	Stratified	Developed	Wetlands	Barren/rock	Wetlands	Open water	Wetlands	Wetlands	Wetlands
Opossum	X				X												
Masked shrew	X				X												
Smoky shrew	X				X												
Pigmy shrew	X				X												
Short-tailed shrew	X		X		X												
Hairy-tailed mole	X				X												
Star-nosed mole	X				X												
Little brown bat**	X				X												
Kean's bats*																	
Eastern pipitrelle**																	
Big brown bat*																	
Red bat**																	
Hoary bat**																	
Snowshoe hare	X				X												
Eastern cottontail	X				X												
European hare	X				X												
Eastern chipmunk	X				X												
Woodchuck	X				X												
Gray squirrel	X				X												
Red Squirrel	X				X												
Southern flying-squirrel	X				X												
Northern flying-squirrel	X				X												
Beaver	X				X												
Deer mouse	X				X												
White-footed mouse	X				X												
Red-backed vole	X				X												
Meadow vole	X				X												
Pine vole	X				X												
Muskrat	X				X												
Norway rat	X				X												
House mouse	X				X												
Meadow jumping mouse	X				X												
Woodland jumping mouse	X				X												
Porcupine	X				X												
Coyote	X				X												
Red fox	X				X												
Raccoon	X				X												
Fisher	X				X												
Ermine	X				X												
Long-tailed weasel	X				X												
Mink	X				X												

*Nomenclature from Benfield (1974) and Janssens (1975).
 **Occurrences of bats from Leckey (1977). No other data available on habits and
 anasome Wright (1978) -- Not abundant and frequent categories are combined into "Common" herein other
 records observations are included.

Table 2 . *birds of regular documented occurrence **along the international sector the
St. Lawrence River.

COMMON NAME	Seasonality/Status								Habitat Types											Geographic Locations												
	Breeding	Winter	Spring	Fall	Wintering	Ice Edge	Open Water	Shoreline	Wetlands	Woodlands	Shrublands	Farmlands	Developed Areas	Whitehouse Bay	Agony Brook	Roughy Islands	Colas Creek	Colas Creek Park	Wappington Lake	Sicard Brook	Nottingham St. J.	Pyren Island	Sprucehead Pt.	Trappes Lake								
Red-throated Loon		o	o		x	x	x									m	B, m	m	m												m	m
Common Loon	o			o											s	S, m																
Pied-billed Grebe	o															m																m
Horned Grebe				o	x	x										m																m
Red-necked Grebe		+	o	o		x	x	x																								m
Double-crested Cormorant		o	o			x	x									S, m	S, m	m	S, m												m	m
American Bittern	o			o												B, m																m
Least Bittern	o			o																												m
Great Blue Heron	o			o	x	x	x	x							s	S, m	S, m	S, m	S, m	S, m	S, m									s	S, m	
Great Egret		+	+	+																												
Cattle Egret		+	+	+																												
Green-backed Heron	o			o												S	B, m	B, m	B, m	B, m	B, m	B	B								B, m	
Black-crowned Night-Heron		o	o	o												m																
Tundra Swan				+	+																											
Mute Swan				+	+																											
Snow Geese			o	o																												
Brant		o	o	o																												
Canada Goose	o			o	x	x	x	x								S, m	S, m	B, m	B, m	S, m	B, m	B, m	B, m								B, m	
Wood Duck	o			+												S, m	S, m	B, m	B, m	B, m	B, m	B, m										
Green-winged Teal	o			+	x	x	x	x								m	m	m	m	m	m	m										
American Black Duck	o			o	x	x	x	x								B, m	B, m	B, m	B, m	B, m	B, m	B, m										
Mallard	o			o	x	x	x	x								S, m	B, m	B, m	B, m	B, m	B, m	B, m										
Northern Pintail	o			+	x	x	x	x								m	S, m	m	m													
Blue-winged Teal	o			+												m	S, m	m														
Northern Shoveler	o			+																												
Cadwall	o			o	x	x	x	x								m	B, m	B, m	B, m	B, m	B, m	B, m										
European Wigeon				+																												
American Wigeon	o			o	x	x	x	x								S, m	B, m	S, m	M													
Canvasback		+	o	o																												
Redhead		o	o	o	x	x	x																									
Bling-necked Duck				+																												
Greater Scaup		o	o	o	x	x	x																									
Lesser Scaup		o	o	o	x	x	x																									
Oldsquaw		+	o	o	x	x	x																									
Black Scoter				o																												
Buff Scoter				o																												
White-winged Scoter		+	o	o	x	x	x																									
Common Goldeneye		+	o	o	x	x	x																									
Barrow's Goldeneye				o	x	x	x																									
Bufflehead		+	o	o	x	x	x																									
Hooded Merganser		o	o	+																												

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*Monomania from 5th edition American Ornithologists Union Check-list of North American Birds, 1963.
**Accidental species are included in Table 1.

Table 2 Continued

Species	Branding	Yukon	Victor	Skagit	Fall	Winter	Spring	Ketchikan	Juneau	Yakutat	Ice Edge	Open Water	Shoreline	Wetlands	Woodlands	Shrublands	Strandlands	Dayside	Alaska	Mileena	Brady Brook	9 Cotte Green	9 Cotte Green	Washington	Sicker Brook	Washington	Open Island	9 Cotte Green	9 Cotte Green	9 Cotte Green	9 Cotte Green	9 Cotte Green					
Common Merganser												X	X								W																
Red-breasted Merganser											X	X									W																
Ruddy Duck											X	X									W																
Turkey Vulture											X	X									W																
Osprey											X	X									W																
Bald Eagle											X	X									W																
Northern Harrier											X	X									W																
Sharp-shinned Hawk											X	X									W																
Cooper's Hawk											X	X									W																
Northern Goshawk											X	X									W																
Red-shouldered Hawk											X	X									W																
Broad-winged Hawk											X	X									W																
Red-tailed Hawk											X	X									W																
Rough-legged Hawk											X	X									W																
American Kestrel											X	X									W																
Merlin											X	X									W																
Gray Partridge								Op	Op																												
Song Sparrow								Op	Op																												
Pheasant								Op	Op																												
Ruffed Grouse											X	X																									
Virginia Rail											X	X																									
Sora											X	X																									
Common Moorhen											X	X																									
American Coot											X	X																									
Black-billed Plover											X	X																									
Lesser Golden Plover											X	X																									
Semipalmated Plover											X	X																									
Killdeer											X	X																									
Greater Yellowlegs											X	X																									
Lesser Yellowlegs											X	X																									
Solitary Sandpiper											X	X																									
Spotted Sandpiper											X	X																									
Upland Sandpiper											X	X																									
Whimbrel											X	X																									
Hudsonian Godwit											X	X																									
Buddy Turnstone											X	X																									
Red Knot											X	X																									
Sanderling											X	X																									
Semipalmated Sandpiper											X	X																									
Western Sandpiper											X	X																									
Least Sandpiper											X	X																									
White-rumped Sandpiper											X	X																									

Table 2 Continued

Species	Seasonality/Status				Habitat Types																		
	Winter	Spring	Summer	Fall	Open Water	Shoreline	Wetlands	Shrublands	Farmlands	Developed Areas	Wetlands	Woods	Grasslands	Open Fields	Wetlands	Woods	Grasslands	Open Fields	Wetlands	Woods	Grasslands	Open Fields	
Baird's Sandpiper	○	○	○	○		X																	
Pectoral Sandpiper	○	○	+	○	X	X																	
Purple Sandpiper	○	○	○	○	X	X																	
Dunlin	○	○	○	○	X	X																	
Short-billed Dowitcher	○	○	○	○	X	X																	
Common Snipe	○	○	○	○			X	X															
American Woodcock	○	+	○	○																			
Wilson's Phalarope	○	+	○	○	X	X																	
Red-necked Phalarope	○	○	○	○	X	X																	
Bonaparte's Gull	○	○	○	○	X	X																	
Ring-billed Gull	○	○	○	○	X	X																	
Herring Gull	○	○	○	○	X	X																	
Iceland Gull	○	○	○	○	X	X																	
Glaucous Gull	○	○	○	○	X	X																	
Great Black-backed Gull	○	○	○	○	X	X																	
Black-legged Kittiwake	○	○	○	○	X	X																	
Caspian Tern	○	○	○	○	X	X																	
Common Tern	○	○	○	○	X	X																	
Black Tern	○	○	○	○	X	X																	
Rock Dove	○	○	○	○																			
Hourwing Dove	○	○	○	○																			
Black-billed Cuckoo	○	○	○	○																			
Yellow-billed Cuckoo	○	○	○	○																			
Eastern Screech-Owl	○	○	○	○																			
Great Horned Owl	○	○	○	○																			
Snowy Owl	○	○	○	○																			
Great Gray Owl	○	○	○	○																			
Long-eared Owl	○	○	○	○																			
Short-eared Owl	○	○	○	○																			
Northern Saw-whet Owl	○	○	○	○																			
Common Nighthawk	○	○	○	○																			
Whip-poor-will	○	○	○	○																			
Chimney Swift	○	○	○	○																			
Buffy-throated Hummingbird	○	○	○	○																			
Belted Kingfisher	○	○	○	○																			
Red-headed Woodpecker	○	○	○	○																			
Yellow-bellied Sapsucker	○	○	○	○																			
Downy Woodpecker	○	○	○	○																			
Hairy Woodpecker	○	○	○	○																			
Black-backed Woodpecker	○	○	○	○																			
Northern Flicker	○	○	○	○																			

Table 2 Continued

COMMON NAME	Seasonality/Status				Habitat Types																		
	OR	OR	OR	OR	Wetlands	Wetlands	Wetlands	Wetlands	Wetlands	Wetlands	Wetlands	Wetlands	Wetlands	Wetlands	Wetlands	Wetlands	Wetlands	Wetlands	Wetlands	Wetlands	Wetlands	Wetlands	
Pileated Woodpecker	OR	OR	OR	OR																			
Olive-sided Flycatcher	OR	OR	OR	OR																			
Eastern Wood-Pewee	OR	OR	OR	OR																			
Yellow-bellied Flycatcher	OR	OR	OR	OR																			
Alder Flycatcher	OR	OR	OR	OR																			
Willow Flycatcher	OR	OR	OR	OR																			
Least Flycatcher	OR	OR	OR	OR																			
Great Crested Flycatcher	OR	OR	OR	OR																			
Eastern Kingbird	OR	OR	OR	OR																			
Horned Lark	OR	OR	OR	OR																			
Purple Martin	OR	OR	OR	OR																			
Tree Swallow	OR	OR	OR	OR																			
Northern Rough-winged Swallow	OR	OR	OR	OR																			
Bank Swallow	OR	OR	OR	OR																			
Cliff Swallow	OR	OR	OR	OR																			
Barn Swallow	OR	OR	OR	OR																			
Blue Jay	OR	OR	OR	OR																			
American Crow	OR	OR	OR	OR																			
Black-capped Chickadee	OR	OR	OR	OR																			
Boreal Chickadee	OR	OR	OR	OR																			
Red-breasted Nuthatch	OR	OR	OR	OR																			
White-breasted Nuthatch	OR	OR	OR	OR																			
Brown Creeper	OR	OR	OR	OR																			
House Wren	OR	OR	OR	OR																			
Winter Wren	OR	OR	OR	OR																			
Sedge Wren	OR	OR	OR	OR																			
Marsh Wren	OR	OR	OR	OR																			
Golden-crowned Kinglet	OR	OR	OR	OR																			
Ruby-crowned Kinglet	OR	OR	OR	OR																			
Blue-winged Greenlet	OR	OR	OR	OR																			
Eastern Bluebird	OR	OR	OR	OR																			
Veery	OR	OR	OR	OR																			
Gray-cheeked Thrush	OR	OR	OR	OR																			
Swinson's Thrush	OR	OR	OR	OR																			
Hermit Thrush	OR	OR	OR	OR																			
Hooded Merganser	OR	OR	OR	OR																			
American Robin	OR	OR	OR	OR																			
Gray Catbird	OR	OR	OR	OR																			
Northern Mockingbird	OR	OR	OR	OR																			
Brown Thrasher	OR	OR	OR	OR																			
Water Pipit	OR	OR	OR	OR																			

Table 2 Continued

COMMON NAME	Breeding	Winter	Spring	Summer	Autumn	Migration	Ice Lake	Open Water	Shoreline	Neclands	Woodlands	Shrublands	Prerlands	Developed Areas	Wetlands	Marshes	Grassy Plains	Coastal Grass	Great Plains	Great Basin	Sierra Nevada	Sierra Nevada	Open Island	Sperrung Pt.
	+	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Bolshen Waxwing																								
Cedar Waxwing																								
Northern Shrike																								
Logheaded Shrike																								
European Starling																								
White-eyed Vireo																								
Solitary Vireo																								
Yellow-throated Vireo																								
Warbling Vireo																								
Philadelphia Vireo																								
Red-eyed Vireo																								
Blue-winged Warbler																								
Golden-winged Warbler																								
Tennessee Warbler																								
Nashville Warbler																								
Northern Parula																								
Yellow Warbler																								
Chestnut-sided Warbler																								
Magnolia Warbler																								
Cape May Warbler																								
Black-throated Blue Warbler																								
Yellow-rumped Warbler																								
Black-throated Green Warbler																								
Blackburnian Warbler																								
Pine Warbler																								
Palm Warbler																								
Bay-breasted Warbler																								
Blackpoll Warbler																								
Carolin Warbler																								
Black and White Warbler																								
American Redstart																								
Ovenbird																								
Northern Waterthrush																								
Mourning Warbler																								
Common Yellowthroat																								
Wilson's Warbler																								
Canada Warbler																								
Scarlet Tanager																								
Northern Cardinal																								
Rose-breasted Grosbeak																								
Indigo Bunting																								

Table 4
 Habitats and Amphibians of Documented Occurrence along the International Sector of the
 St. Lawrence River.

COMMON NAME	Statuses			Habitat Type Larvae/Young				Habitat Type Adults				Habitat Type										
	Common	Uncommon	Rare	Open Water	Shoreline	Wetlands	Uplands	Open Water	Shoreline	Wetlands	Uplands	Open Water	Shoreline	Wetlands	Uplands	St. Lawrence	St. Lawrence	St. Lawrence	St. Lawrence	St. Lawrence		
Nudpuppy	X			X																		
Jefferson salamander		X			X																	
Blue-spotted salamander		X			X																	
Spotted salamander		X			X																	
Red-spotted newt		X			X																	
Red-backed salamander		X			X																	
Four-toed salamander		X			X																	
American toad		X			X																	
Spring peeper		X			X																	
Grey tree frog		X			X																	
Western chorus frog		X			X																	
Bullfrog		X			X																	
Green frog		X			X																	
Mink frog		X			X																	
Wood frog		X			X																	
Northern leopard frog		X			X																	
Pickeral frog		X			X																	
Snapping turtle		X			X																	
Stinkpot		X			X																	
Map turtle		X			X																	
(Midland) Painted turtle		X			X																	
Slender's turtle		X			X																	
Northern water snake		X			X																	
Northern brown snake		X			X																	
Red-bellied snake		X			X																	
Eastern garter snake (northern) ribbon snake		X			X																	
Smooth green snake		X			X																	
Black rat snake		X			X																	
Eastern milk snake		X			X																	

Scientific nomenclature follows Conant (1975)
 Status from Alexander 1975

Table 3 Fish of documented occurrence along the international sector of the St. Lawrence River.

Fish Species	Status			Habitat											
	Common	Uncommon	Rare	Tributaries	Shallow Area	Open Water	Marshes	Grassy Areas	Coastal Islands	Coastal Creeks	Coastal Creeks	Washington	St. Lawrence	Open Island	Open Island
Silver lamprey	X				X									X	
Sea lamprey	X				X										
Lake sturgeon						X									
Long nose gar	X					X									
Boufin	X					X								X	
American eel	X					X								X	
Alewife	X					X								X	
Gizzard shad	X					X								X	
Mooneye	X					X									
Cisco	X					X									
Coho salmon	X					X									
Rainbow trout	X					X									
Brown trout	X					X									
Brook trout	X					X									
Rainbow smelt	X					X									
Central mudminnow	X					X									
Boufin pickerel	X					X								X	
Northern pike	X					X								X	
Muskellunge	X					X								X	
Goldfish	X					X								X	
Redside dace	X					X								X	
Carp	X					X								X	
Cutliff minnow	X					X								X	
Brassy minnow	X					X								X	
Silvery minnow	X					X								X	
Golden shiner	X					X								X	
Satinfin shiner	X					X								X	
Pugnose shiner	X					X								X	
Emerald shiner	X					X								X	
Bridle shiner	X					X								X	
Common shiner	X					X								X	
Blackchin shiner	X					X								X	
Blacknose shiner	X					X								X	
Spottail shiner	X					X								X	
Boysface shiner	X					X								X	
Spotfin shiner	X					X								X	
Sand shiner	X					X								X	
Mimic shiner	X					X								X	
Northern redbelly dace	X					X								X	
Finescale dace	X					X								X	
Bluntnose minnow	X					X								X	

KEY
 X = Recorded
 L = Local
 T = Tributaries

Table 5 Continued

Species	Status				Habitat			
	Common	Uncommon	Rare	Extinct	Shallow Water	Open Water	Marsh	Wetland
Fathead minnow	X				X			
Blechnose dace	X							
Longnose dace	X							
Creek chub	XT							
Fathead	X							
Pearl dace	X							
White sucker	X							
Silver shiner	X							
Shorthead redhorse	X							
Greater redhorse	X							
Black bullhead	X							
Yellow bullhead	X							
Brown bullhead	X							
Channel catfish	X							
Stoneroller	XT							
Tadpole shiner	X							
Burbot	X							
Banded killifish	X							
Brook silverside	X							
Brook stickleback	XT							
Threespine stickleback	X							
White perch	X							
White bass	HL							
Rock bass	X							
Pumpkinseed	X							
Bluegill	X							
Smallmouth bass	X							
Largemouth bass	X							
Black crappie	X							
Iowa darter	X							
Pontchartraine darter	X							
Tessellated darter	X							
Yellow perch	XT							
Logperch	X							
Channel darter	X							
Sauger	X							
Halleys	HL							
Freshwater drum	X							
Mottled sculpin	X							