

Table 2. Flight height characteristics and exposure indices by species observed during spring and fall 2006 diurnal migrant surveys at the St. Lawrence Windpower project area.

Species	# individuals flying		% birds flying		Relation to rotor-swept area ⁴						Exposure Index ⁵	
	S	F	S	F	% below		% within		% above		S	F
Waterbirds												
Great blue heron	4	1	100.0	100.0	100.0	100.0	0	0	0	0	0	0
Herring gull	19	0	100.0	0	100.0	0	0	0	0	0	0	0
Ring-billed gull	167	466	52.7	73.5	70.1	27.9	29.9	72.1	0	0	4.17	11.2
Unidentified gull	244	4971	27.8	77.4	76.6	45.2	23.4	54.7	0	0.01	4.75	90.7
Waterfowl												
Canada goose	197	902	100.0	97.3	100.0	0	0	75.8	0	24.2	0	22.8
Double-crested cormorant	2	0	100.0	0	100.0	0	0	0	0	0	0	0
Unidentified duck	40	0	100.0	0	100.0	0	0	0	0	0	0	0
Mallard	0	1	0	100.0	0	0	0	0	0	100.0	0	0
Raptors												
<i>Accipiters</i>												
Sharp-shinned hawk ^{SC}	5	2	100.0	66.7	0	50.0	80.0	50.0	20.0	0	0.33	0.03
Cooper's hawk ^{SC}	0	4	0	100.0	0	0	0	100.0	0	0	0	0.13
Unidentified accipiter	5	0	100.0	0	0	0	60.0	0	40.0	0	0.25	0
<i>Buteos</i>												
Broad-winged hawk	7	6	100.0	100.0	14.3	0	28.6	50.0	57.1	50.0	0.17	0.1
Red-tailed hawk	7	41	87.5	95.3	14.3	24.3	42.9	73.2	42.9	2.4	0.25	0.97
Rough-legged hawk	2	12	100.0	100.0	50.0	58.3	50.0	33.3	0	8.3	0.08	0.13
Unidentified buteo	4	0	100.0	0	0	0	100.0	0	0	0	0.33	0
<i>Northern Harriers</i>												
Northern harrier ^T	6	84	100.0	96.6	100.0	100.0	0	0	0	0	0	0
<i>Osprey</i>												
Osprey ^{SC}	2	0	100.0	0	0	0	100.0	0	0	0	0.17	0

⁴ Defined as the area between approximately 25 and 125 m above ground level

⁵ Exposure index = (mean use) * (% individuals flying) * (% flying within rotor-swept area)

Species	# individuals flying		% birds flying		Relation to rotor-swept area ⁴						Exposure Index ⁵	
					% below		% within		% above			
	S	F	S	F	S	F	S	F	S	F	S	F
<i>Falcons</i>												
American kestrel	1	11	100.0	100.0	100.0	90.9	0	9.1	0	0	0	0.03
Merlin	0	2	0	100.0	0	100.0	0	0	0	0	0	0
<i>Eagles</i>												
Bald Eagle ^T	0	1	0	100.0	0	0	0	0	0	100.0	0	0
<i>Vultures</i>												
Turkey vulture	49	119	96.1	100.0	4.1	5.0	61.2	92.5	34.7	2.5	2.5	3.67
Other Birds												
American crow	31	183	100.0	94.8	58.1	44.8	41.9	54.6	0	5.5	1.08	3.33
Common raven	0	3	0	100.0	0	66.7	0	33.3	0	0	0	0.03
Common snipe	0	9	0	100.0	0	100.0	0	0	0	0	0	0
Ring-necked pheasant	0	0	0	0	0	0	0	0	0	0	0	0
Wild turkey	0	0	0	0	0	0	0	0	0	0	0	0