

APPENDIX L

AVIFAUNA



Square Summary (20PR15)

#species (1st atlas)				#species (2nd atlas)				#hours		#pc done	
poss	prob	conf	total	poss	prob	conf	total	1st	2nd	road	offrd
51	7	16	74	54	22	25	101	16	29.5	14	1

Region summary (#23: Antigonish)

#squares	#sq with data		#species		#pc done	target	#pc
	1st	2nd	1st	2nd			
43	34	43	147	158	518		161

Target number of point counts in this square: 12 road side, 3 off road (1 in Mature coniferous, 2 in Mature deciduous). Please try to ensure that each off-road station is located such that the entire 100m radius circle is within the prescribed habitat.

SPECIES	Code		%		SPECIES	Code		%		SPECIES	Code		%	
	1st	2nd	1st	2nd		1st	2nd	1st	2nd		1st	2nd	1st	2nd
Canada Goose		H	5	53	Broad-winged Hawk			23	23	Yellow-bellied Sapsucker		S	41	79
Wood Duck	FL	H	29	53	Red-tailed Hawk		H	41	90	Downy Woodpecker		FY	55	88
American Wigeon		FY	20	25	Virginia Rail †			5	6	Hairy Woodpecker		NY	50	95
American Black Duck	FL	FY	79	81	Sora			14	30	Am Three-toed Woodpecker †			2	2
Mallard			17	37	Piping Plover †			8	6	Black-back Woodpecker		H	17	34
Mallard x Am. Black Duck ‡			2	6	Killdeer	H	FY	52	34	Northern Flicker	P	A	85	97
Blue-winged Teal			32	23	Spotted Sandpiper		AE	61	76	Pileated Woodpecker	H	H	41	67
Northern Shoveler ‡			2	0	Greater Yellowlegs †			0	2	American Kestrel		H	50	83
Northern Pintail ‡			2	0	Willet	A	FY	23	20	Merlin			20	41
Green-winged Teal	FL	H	70	51	<u>Wilson's Snipe</u>			52	67	Olive-sided Flycatcher †		S	41	93
Ring-necked Duck	FL	FY	47	74	<u>American Woodcock</u>			35	72	<u>Eastern Wood-Pewee</u>	H		38	72
Hooded Merganser			2	37	Herring Gull §	H	H	23	11	Yellow-bellied Flycatcher	H	S	26	83
<u>Common Merganser</u>			61	72	Great Black-backed Gull §	H	H	26	11	Alder Flycatcher	H	T	70	100
Red-breast Merganser	H	H	11	9	Common Tern §	ON	AE	20	16	Least Flycatcher		T	41	95
Ring-necked Pheasant ‡			5	11	Arctic Tern ‡§			5	0	Eastern Phoebe ‡			2	27
Ruffed Grouse		S	58	90	Black Guillemot ‡§			5	6	Eastern Kingbird		S	44	37
Spruce Grouse		FY	26	16	Rock Pigeon		T	47	74	Blue-headed Vireo	H	S	50	97
Common Loon		S	47	62	Mourning Dove		H	17	93	Warbling Vireo †			5	2
Pied-billed Grebe		H	17	27	Black-billed Cuckoo			11	30	Philadelphia Vireo			8	4
<u>Double-crest Cormorant §</u>	H		8	11	Great Horned Owl			23	44	Red-eyed Vireo	H	P	64	100
Great Cormorant ‡§			2	2	<u>Barred Owl</u>			26	72	Gray Jay	H	H	47	67
American Bittern		S	32	51	Long-eared Owl †			2	11	Blue Jay	H	H	70	100
Great Blue Heron §	H	H	29	20	Short-eared Owl †			2	2	American Crow	NB	FY	79	100
Black-crown N.-Heron † §			0	0	North Saw-whet Owl			14	30	Common Raven	H	T	67	97
<u>Osprey</u>	H		50	44	Common Nighthawk †			26	44	Tree Swallow	ON	AE	64	100
Bald Eagle ♂		P	55	81	Whip-poor-will ‡			5	0	<u>Bank Swallow §</u>	H		52	37
Northern Harrier	DD	P	55	72	Chimney Swift †			35	25	Cliff Swallow §		H	23	25
Sharp-shinned Hawk			38	30	Ruby-thr Hummingbird	H	H	61	97	Barn Swallow	ON	H	76	90
Northern Goshawk			20	23	Belted Kingfisher	H	H	64	95	Black-capp Chickadee	H	CF	70	100

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SPECIES	Code		%		SPECIES	Code		%		SPECIES	Code		%	
	1st	2nd	1st	2nd		1st	2nd	1st	2nd		1st	2nd	1st	2nd
Boreal Chickadee	H	CF	52	93	Magnolia Warbler	H	FY	58	100	<u>Pine Grosbeak</u>	H		26	13
Red-breast Nuthatch	H	H	64	93	Bay-breasted Warbler	H	S	44	65	Purple Finch	H	T	76	97
White-breast Nuthatch			23	13	Blackburnian Warbler	H	S	44	97	House Finch †			2	0
Brown Creeper		S	14	51	Yellow Warbler	T	CF	70	95	Red Crossbill †			14	6
House Wren †			2	0	Chestn-sided Warbler		S	47	95	White-winged Crossbill		S	29	34
Winter Wren		S	29	88	Blackpoll Warbler		S	14	4	Pine Siskin	H	H	58	86
Marsh Wren †			2	0	Black-thr Blue Warbler		S	14	44	American Goldfinch	P	T	82	100
Golden-crown Kinglet	H	T	55	93	Palm Warbler	H	CF	29	67	Evening Grosbeak	FL	H	47	72
Ruby-crown Kinglet	H	T	64	97	Yellow-rumped Warbler	H	S	55	100	House Sparrow	C	H	44	44
Eastern Bluebird †			5	2	Black-thr Green Warbler	H	T	58	97					
Veery		S	35	53	Canada Warbler †		S	38	74					
Swainson's Thrush	H	T	52	97	Wilson's Warbler			11	9					
Hermit Thrush	H	S	58	95	Chipping Sparrow	H	S	61	79					
Wood Thrush †			8	4	Vesper Sparrow †			8	0					
American Robin	AY	CF	91	100	Savannah Sparrow	H	AE	55	86					
Gray Catbird		S	47	55	Nelson's Sh.-tail Sparrow		S	14	23					
Northern Mockingbird †		NY	2	6	Fox Sparrow			14	13					
European Starling	AY	CF	61	86	Song Sparrow	AY	CF	79	100					
Cedar Waxwing	H	P	70	97	Lincoln's Sparrow	A	S	38	81					
Ovenbird	H	P	52	100	Swamp Sparrow	H	T	50	93					
North Waterthrush		S	41	81	White-throat Sparrow	FL	T	70	100					
Black-white Warbler	H	P	61	100	Dark-eyed Junco	H	CF	61	95					
Tennessee Warbler	H	S	44	55	<u>Rose-breast Grosbeak</u>	P		55	58					
Nashville Warbler	H	T	47	95	Bobolink	H	S	67	62					
Mourning Warbler	H	S	41	88	Red-wing Blackbird	H	AE	64	76					
Common Yellowthroat	AY	S	64	100	Rusty Blackbird †	H	S	29	46					
American Redstart	H	P	67	100	Common Grackle	AY	NB	73	100					
Cape May Warbler	H	S	32	27	Brown-head Cowbird			35	6					
Northern Parula	H	T	61	97	Baltimore Oriole			14	4					

This list includes all species found during the Maritimes Breeding Bird Atlas (1st atlas: 1986-1990, 2nd atlas: 2006-2010) in the region #23 (Antigonish). Underlined species are those that you should try to add to this square (20PR15). They have not yet been reported during the 2nd atlas, but were found during the 1st atlas in this square or have been reported in more than 50% of the squares in this region during the 2nd atlas so far. "Code" is the code for the highest breeding evidence for that species in square 20PR15 during the 2nd and 1st atlas respectively. The % columns give the percentage of squares in that region where that species was reported during the 2nd and 1st atlas (this gives an idea of the expected chance of finding that species in region #23). Rare/Colonial Species Report Forms should be completed for species marked: § (Colonial), ‡ (regionally rare), † (rare in the Maritimes) or ¶ (rare in the Maritimes, documentation only required for confirmed records). Current as of 1/12/2025. An up-to-date version of this sheet is available from <http://www.mba-aom.ca/jsp/summaryform.jsp?squareID=20PR15?lang=en>

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Square Summary (20PR25)

#species (1st atlas)				#species (2nd atlas)				#hours		#pc done	
poss	prob	conf	total	poss	prob	conf	total	1st	2nd	road	offrd
36	30	21	87	36	18	46	100	33	101.4	17	0

Region summary (#24: Southwest Cape Breton Island)

#squares	#sq with data		#species		#pc done	target	#pc
	1st	2nd	1st	2nd			
61	52	59	137	147	420		228

Target number of point counts in this square: 13 road side, 2 off road (2 in Mature deciduous). Please try to ensure that each off-road station is located such that the entire 100m radius circle is within the prescribed habitat.

SPECIES	Code		% 1st 2nd		SPECIES	Code		% 1st 2nd		SPECIES	Code		% 1st 2nd	
	1st	2nd	1st	2nd		1st	2nd	1st	2nd		1st	2nd	1st	2nd
Canada Goose			7	50	Northern Goshawk	H		7	16	Belted Kingfisher	P	P	55	84
Wood Duck			9	23	Broad-winged Hawk ‡	H		3	11	Yellow-bellied Sapsucker		S	19	50
American Wigeon ‡			3	13	<u>Red-tailed Hawk</u>			40	67	Downy Woodpecker	H	CF	40	77
American Black Duck		FY	40	67	Sora			15	18	Hairy Woodpecker	H	H	40	77
Mallard			3	20	Piping Plover †			0	6	Black-back Woodpecker			11	6
Mallard x Am. Black Duck			0	5	Killdeer	DD	NY	25	13	Northern Flicker	H	CF	57	94
<u>Blue-winged Teal</u>	H		21	13	Spotted Sandpiper	A	DD	53	72	Pileated Woodpecker		D	25	55
Northern Pintail ‡			0	0	Greater Yellowlegs †			1	6	American Kestrel	H	H	48	59
Green-winged Teal		FY	17	27	Willet		H	17	20	Merlin			26	33
Ring-necked Duck	H	FY	32	61	Wilson's Snipe	H	T	46	64	Peregrine Falcon †		H	0	1
Common Eider §			5	10	American Woodcock	H	T	15	47	Olive-sided Flycatcher †	T	S	42	67
Common Goldeneye			17	18	Ring-billed Gull ‡§			0	1	Eastern Wood-Pewee	T	T	38	30
Hooded Merganser ‡			0	1	Herring Gull §	H	H	36	45	Yellow-bellied Flycatcher	H	S	44	57
Common Merganser		FY	11	30	<u>Great Black-backed Gull §</u>	H		46	47	Alder Flycatcher	T	T	61	86
Red-breast Merganser			15	25	Common Tern §	NE	NY	36	32	Least Flycatcher		S	32	74
<u>Ring-necked Pheasant</u>	T		3	11	Arctic Tern ‡§			1	1	Eastern Phoebe		NE	5	3
Ruffed Grouse		NE	30	67	Razorbill ‡§			1	0	Eastern Kingbird	C	S	23	15
Spruce Grouse		H	9	16	Black Guillemot ‡§			7	11	Blue-headed Vireo	H	CF	55	91
Common Loon	H	S	25	35	Rock Pigeon	FL	H	19	59	Philadelphia Vireo ‡			1	0
Pied-billed Grebe			11	8	Mourning Dove	FL	FY	9	50	Red-eyed Vireo	T	CF	57	93
Northern Gannet ‡			0	0	Black-billed Cuckoo ‡			1	1	Gray Jay	T	P	44	47
Double-crest Cormorant §	H	H	36	30	Great Horned Owl		S	11	25	Blue Jay	FL	H	50	91
Great Cormorant ‡§			9	1	Barred Owl	P	S	11	54	American Crow	NB	FY	63	98
American Bittern		H	9	16	Long-eared Owl †		S	0	1	Common Raven	ON	FY	57	84
<u>Great Blue Heron §</u>	H		48	35	Short-eared Owl †			0	0	Tree Swallow	ON	AE	59	88
Osprey	H	NY	36	49	North Saw-whet Owl		S	1	28	Bank Swallow §			50	25
Bald Eagle α	T	NY	71	81	Common Nighthawk †	T	FY	23	13	Cliff Swallow §			23	23
Northern Harrier	H	T	32	38	Chimney Swift †			17	6	Barn Swallow	H	H	67	55
<u>Sharp-shinned Hawk</u>	H		23	23	Ruby-thr Hummingbird	H	FY	34	77	Black-capp Chickadee	T	CF	51	93

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SPECIES	Code		%		SPECIES	Code		%		SPECIES	Code		%	
	1st	2nd	1st	2nd		1st	2nd	1st	2nd		1st	2nd	1st	2nd
Boreal Chickadee	H	FY	50	86	Yellow Warbler	T	CF	57	86	Red Crossbill †			1	5
Red-breast Nuthatch	T	T	40	76	Chestn-sided Warbler	H	CF	15	47	White-winged Crossbill			21	23
White-breast Nuthatch			0	6	Blackpoll Warbler		T	13	25	Pine Siskin	C	FY	46	44
Brown Creeper			13	28	Black-thr Blue Warbler			7	8	American Goldfinch	AY	FY	61	91
Winter Wren	H	S	36	38	Palm Warbler	H	T	25	40	Evening Grosbeak	AY	T	30	55
Golden-crown Kinglet	H	T	46	84	Yellow-rumped Warbler	T	CF	51	91	House Sparrow	FL	NB	32	37
Ruby-crown Kinglet	T	FY	55	91	Black-thr Green Warbler	AY	S	38	77					
<u>Veery</u>	H		7	25	Canada Warbler †	AY	A	32	15					
Bicknell's Thrush †			1	0	Wilson's Warbler		H	7	11					
Swainson's Thrush	FL	S	59	84	Chipping Sparrow	H	FY	50	42					
Hermit Thrush	T	S	57	91	Vesper Sparrow †			3	0					
American Robin	AY	CF	65	100	<u>Savannah Sparrow</u>	H		57	77					
Gray Catbird		FY	13	18	Nelson's Sh.-tail Sparrow			7	13					
Northern Mockingbird †	T	S	5	3	Fox Sparrow		S	17	25					
European Starling	NY	AE	55	81	Song Sparrow	AY	FY	63	98					
Cedar Waxwing	T	T	48	93	Lincoln's Sparrow	A	FY	51	74					
Ovenbird		CF	48	79	Swamp Sparrow	H	A	53	77					
North Waterthrush		S	21	47	White-throat Sparrow	AY	FY	59	94					
Black-white Warbler	T	S	55	89	Dark-eyed Junco	AY	AE	61	93					
Tennessee Warbler	T	S	48	15	Scarlet Tanager †			3	1					
Nashville Warbler	H	CF	42	71	Rose-breast Grosbeak			32	25					
Mourning Warbler	H	S	46	76	Bobolink			36	30					
Common Yellowthroat	T	CF	59	93	Red-wing Blackbird	FL	CF	61	81					
American Redstart	T	FY	57	88	<u>Rusty Blackbird</u> †	H		26	8					
<u>Cape May Warbler</u>	H		15	5	Common Grackle	FL	NY	61	86					
Northern Parula	H	T	53	89	<u>Brown-head Cowbird</u>	H		17	1					
Magnolia Warbler	T	NE	59	94	<u>Baltimore Oriole</u> ‡	T		1	0					
Bay-breasted Warbler	H	S	30	28	Pine Grosbeak		S	26	33					
Blackburnian Warbler	T	A	50	77	Purple Finch	P	FY	51	91					

This list includes all species found during the Maritimes Breeding Bird Atlas (1st atlas: 1986-1990, 2nd atlas: 2006-2010) in the region #24 (Southwest Cape Breton Island). Underlined species are those that you should try to add to this square (20PR25). They have not yet been reported during the 2nd atlas, but were found during the 1st atlas in this square or have been reported in more than 50% of the squares in this region during the 2nd atlas so far. "Code" is the code for the highest breeding evidence for that species in square 20PR25 during the 2nd and 1st atlas respectively. The % columns give the percentage of squares in that region where that species was reported during the 2nd and 1st atlas (this gives an idea of the expected chance of finding that species in region #24). Rare/Colonial Species Report Forms should be completed for species marked: § (Colonial), ‡ (regionally rare), † (rare in the Maritimes) or ‡ (rare in the Maritimes, documentation only required for confirmed records). Current as of 30/10/2025. An up-to-date version of this sheet is available from <http://www.mba-aom.ca/jsp/summaryform.jsp?squareID=20PR25?lang=en>

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Table 1: Habitat Descriptions for Avifauna Survey Locations - Aulds Cove Wind Project

Project # 24-1044

Survey Location	Habitat Description
DWC1	Overlooking the Strait of Canso, with Archie's Pond to the south. Disturbed forest edge with man-made rock armouring and transmission line crossing. Beach extends to the southwest. Softwood-dominated forest nearby.
DWC2	Lake with emergent graminoids, shrubs and intact mixedwood forest along edges. Noise disturbance high from hwy, quarry and turbines.
DWC3	Overlooking Grant Lake. Lake is dammed. Frequented by people fishing. Lake contains many small islands. Surrounding forest is mixedwood
DWC4	Roadside clearing in young regenerating mixedwood forest. Hunting activity - fresh bait pile and trail cam set up at this location. In the centre of three large lakes (Mary Lake, Summers Lake, and Mattie's Lake)
Nightjar 1	Along Marine Drive with Porcupine Mountain quarry to the east and Morrison's Lake to the west.
Nightjar 2	Existing turbine location just off of Marine Drive. Surrounding forest habitat includes hardwood forest, some wetland areas, and cutovers.
Nightjar 3	Overlooking Grant Lake. Lake is dammed. Frequented by people fishing. Lake contains many small islands. Surrounding forest is mixedwood
Nightjar 4	Side road north off of Old Mulgrave Rd, surrounded primarily by regenerating clearcut, patches of mixedwood forest, and wetlands with extensive disturbance from forestry.
Nightjar 5	Roadside clearing in young regenerating mixedwood forest. Hunting activity - fresh bait pile and trail cam set up at this location. In the centre of three large lakes (Mary Lake, Summers Lake, and Mattie's Lake)
Nightjar 6	Side road east off of Havre Boucher Rd. Tracadie Lake to the northeast. Area has been heavily harvested.
Nightjar 7	Side road of of O'Brien's Rd. Heavy disturbance in the area, including a transmission line corridor. MacMillan's Lake to the west. Surrounding forest is predominantly hardwood.
PC2	Heavily disturbed trail through regenerating clearcut, surrounding forest is hardwood dominant mixedwood.
PC3	Narrow softwood dominant treed swamp where two slopes meet. Young hardwood and softwood regeneration on each side of slope from harvesting.
PC4	Open water lake surrounded by mature mixed wood forest and retreating mixed wood clearcut on a transmission line. Marsh wetland close by where RWBL was heard.
PC5	Open water snag wetland/cattail marsh with beaver dam nearby. Beavers and otters observed. Bordered by mixed age mixed wood forest. Road going through it to the north and the south. Great habitat for waterfowl and marsh birds.
PC6	Narrow mature mixed wood riparian surrounded by regenerating hardwoods in clearcut and transmsion line corridor.
PC7	Mixed wood mixed age forest to watercourse with areas of mixedwood regen.
PC8	Open barren like transmission line corridor with mixed age mixed wood forest on one side and softwood treed swamp with cattail open area on the other side and retreating young growth in cut areas.
PC9	Narrow wetland between two clearcut slopes with hardwood dominant regeneration (young). One side of road is cattail/graminoid marsh with standing snags. Other side is mixedwood treed swamp or wet forest.
PC10	Mixedwood regenerating clearcut. Young age. Narrow graminoid wetland downslope with signs of heavy harvesting disturbance.
PC11	Open water lake with lacustrine low shrub fen edges. Lake and wetland boundaries are mature softwood forest to clearcut regen.
PC12	Old trail through young mixedwood forest dominated by red spruce, yellow birch, red maple.
PC13	Lake with softwood dominant mixedwood edges, shrubs abundant, patches of emergent graminoids and Lilly pads
PC14	Mature, hardwood dominant mixedwood forest. Lake to the south.
PC15	Steep slope along transmission line corridor dominated by dense young deciduous shrubs. Corridor boundaries are mature and mixed age mixedwood and hardwood forest. Riparian habitat to the distant north and west.
PC16	Lake with wooded edges, some shrubby areas, marshy areas with emergent graminoids. Fish observed. Noise disturbance high from hwy, quarry and wind turbines. Surrounded by mixed age mixed wood forest slopes.
PC17	Existing wind turbine site, recent clearing and ground work around turbine, areas of young hardwood forest and mixed age mixed wood forest. Slopes to wetland complex. Noise levels high.
PC18	Road through young regenerating forest dominated by re spruce, yellow birch and red maple. Appears to slope down to a treed swamp to the east. Noise disturbance high from quarry, hwy and turbines.

Table 1: Habitat Descriptions for Avifauna Survey Locations - Aulds Cove Wind Project

Project # 24-1044

Survey Location	Habitat Description
PC19	Road through dense young mixedwood forest dominated by red spruce, aspen.
PC20	Road through previously harvested mixedwood forest, hardwood dominant. Very shrubby along the road with some larger trees visible in the distance.
PC21	Road through previously hardwood mixedwood forest, primarily young regenerating hardwoods.
PC22	Edge of clearing where young regenerating hardwoods meets intact forest edge (mid aged hardwoods, YB RM dominant, beech present)
PC23	Lake with emergent cattails and graminoids, intact mixedwood forest along edges. Stumps of old snags emerging from water.
PC24	Young regenerating hardwood forest on edge of mixedwood trees swamp/shrub swamp.
PC25	Large open water lake with mixed age mixedwood shoreline and multiple small to medium sized mixed age mixedwood to softwood islands.
PC26	Softwood dominant treed swamp, mixed age. Upland of wetland is regenerating mixedwoods young in age from harvesting.
PC27	Open recent clear cut with young (under 2m) regen of hardwoods. Patches of young and mixed aged softwood forest are scattered throughout.
PC29	Open softwood dominant regenerating clearcut with patches of hardwood regen and cattails. Mixedage mixedwood forest within 150m.
PC30	Mixed age tolerant hardwood forest with softwood understory. Clearcut regen mixedwood species and raspberry.
PC33	Mature tolerant hardwood forest with scattered softwoods in overstory and a thick and dense balsam fir regen layer approximately 3-4m in height.
PC34	Hardwood shrub swamp mixed with mixed wood mixed age treed swamp. Upland edges are mixedwood mixedage forest dominated by spruce and red maple.
PC35	Young mixedwood single aged forest harvesting regeneration on edge of recent clear cut.
PC36	Single age young mixedwood forest in area of historic forestry. Small patch of graminoid marsh adjacent.
PC37	Road through young regenerating mixedwood. BF, WB, RM, RS dominant.
PC38	Lake with margin of dense shrubby wetland and softwood dominant mixedwood forest. Road to the north comes very close to lake.
PC39	Mixedaged stunted softwood forest and patches of softwood barren near edge of wetland habitat.
PC40	Lake margined by shrubs and softwood forest, accessible via small trail
PC41	Lake with rocky shores, bordered by softwood dominant mixedwood. Road leads down to lake.
PC42	End of road through very young regenerating hardwoods, highly disturbed, primarily yellow birch.
PC43	Lake with emegent veg, mid aged mixedwood forest along margins. Road/trail comes up to the lake, a cabin nearby.
PC44	Trail through young regenerating mixedwood, construction of a cabin ongoing nearby, noise levels high.
PC45	Mixed age mixedwood forest with well defined trail. RS, BF, RM dominant
PC46	Open water lake with a few island. Islands and shore are spruce pine dominant. Mixed age.
PC47	Road next to regenerating clearcut, mixedwood forest, a few big legacy pines left in the clearcut
PC48	Heavily disturbed regenerating clearcut next to road. Good vantage point / view of open sky. Open bog nearby.
PC50	Roadside wetland on both sides. Open bog with softwood/treed swamp edge, young regenerating clear cut.
PC51	Mixed age mixed wood treed/shrub swamp on both sides of the road, connected by watercourse.
PC52	Mixed wood mixed age treed swamp. Mixed age mixed wood upland slope.
PC53	Young mixed wood forest with young mixed wood regen within past clearcut area.
PC54	Softwood plantation with minor hardwood component. Young and recently spaced. Upslope of a wetland.
PC55	Wetland dominated by dead shrubs and graminoids. Watercourse travel through it. Surrounding forest is mixed age mixed wood.
PC56	Basin softwood shrub swamp. Likely caused by disturbance. Surrounded by upland young regen mixed wood.mature hardwoods to the SW
PC57	Mixed wood (rm/bs) treed swamp mixed age with young hardwood regenerating clearcut upland.
PC58	Open water lake with softwood edge dominant with areas of mixed wood. Mixed wood mixed age treed swamp on other side of road.
PC59	Mixed age mixed wood treed swamp. Mature softwood edge to regersting hardwoodsfrom past forestry.
*Note	PC1, PC28, PC31, PC32, and PC49 were dropped during the first round of field surveys.

Table 2: 2025 Spring Migration Survey Results - Aulds Cove Wind Project

Project # 24-10440

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
BF	2025-03-25	Spring Migration PC	PC55	10	Amwo	American Woodcock	<i>Scolopax minor</i>	1		X		X		NW	Y					Calling repetitively
BF	2025-03-25	Spring Migration PC	PC55	10	Bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X		X		NW						MBBA code X
BF	2025-03-25	Spring Migration PC	PC53	10	Bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	3		X	X			NW						MBBA code X
BF	2025-03-25	Spring Migration PC	PC53	10	Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	4		X	2	1		NW						MBBA code X
BF	2025-03-25	Spring Migration PC	PC53	10	Blja	Blue Jay	<i>Cyanocitta cristata</i>	1		X			1	W						MBBA code X
BF	2025-03-25	Spring Migration PC	PC51	10	Bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		X	X			W						MBBA code X
BF	2025-03-25	Spring Migration PC	PC51	10	Gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		X		X		NE						MBBA code H
BF	2025-03-25	Spring Migration PC	PC51	10	Blja	Blue Jay	<i>Cyanocitta cristata</i>	1		X		X		NE						MBBA code X
BF	2025-03-25	Spring Migration PC	PC51	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		X		X		SW						MBBA code X
BF	2025-03-25	Spring Migration PC	PC51	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1		X		X		SW						MBBA code S
BF	2025-03-25	Spring Migration PC	PC51	10	deju	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X		X		SW						MBBA code S
BF	2025-03-25	Spring Migration PC	PC51	10	Cago	Canada Goose	<i>Branta canadensis</i>	1		X			X	SE						MBBA code X
BF	2025-03-25	Spring Migration PC	PC51	10	Bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X				W						MBBA code X
BF	2025-03-25	Spring Migration PC	PC51	10	Piwo	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		X				W						MBBA code X
BF	2025-03-25	Spring Migration PC	PC51	10	Caja	Canada Jay	<i>Perisoreus canadensis</i>	1		X		X		SE						MBBA code X
BF	2025-03-25	Spring Migration PC	PC51	10	Hawo	Hairy Woodpecker	<i>Dryobates villosus</i>	1		X		X		SE						Foraging
BF	2025-03-25	Spring Migration PC	PC51	10	Blja	Blue Jay	<i>Cyanocitta cristata</i>	1		X			X	SW						MBBA code X
BF	2025-03-25	Spring Migration PC	PC56	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		X		X		W						MBBA code X
BF	2025-03-25	Spring Migration PC	PC56	10	Bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		X	X			W						MBBA code X
BF	2025-03-25	Spring Migration PC	PC56	10	Cora	Common Raven	<i>Corvus corax</i>	1		X			X	W						MBBA code X
BF	2025-03-25	Spring Migration PC	PC56	10	Blja	Blue Jay	<i>Cyanocitta cristata</i>	2		X			X	W						MBBA code X
BF	2025-03-25	Spring Migration PC	PC56	10	Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X			X	E						MBBA code S
BF	2025-03-25	Spring Migration PC	PC56	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1		X			X	W						MBBA code S
BF	2025-03-25	Spring Migration PC	PC57	10	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	1		X			X	NE						MBBA code X
BF	2025-03-25	Spring Migration PC	PC57	10	Blja	Blue Jay	<i>Cyanocitta cristata</i>	2		X			X	W						MBBA code X
BF	2025-03-25	Spring Migration PC	PC57	10	Hawo	Hairy Woodpecker	<i>Dryobates villosus</i>	2		X			X	W						Foraging
BF	2025-03-25	Spring Migration PC	PC57	10	Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X		X		E						MBBA code S
BF	2025-03-25	Spring Migration PC	PC57	10	Amro	American Robin	<i>Turdus migratorius</i>	1		X		X		E						MBBA code S
BF	2025-03-25	Spring Migration PC	PC57	10	Bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	4		X		X		E						MBBA code X
BF	2025-03-25	Spring Migration PC	PC57	10	Blackbird spp	#N/A	#N/A	1		X			X	SE						unable to distinguish between COGR and RUBL sounds like it is coming from island in lake outside PA
BF	2025-03-25	Spring Migration PC	PC57	10	Dowo	Downy Woodpecker	<i>Picoides pubescens</i>	1		X		X		W						Drumming
BF	2025-03-25	Spring Migration PC	PC58	10	Blackbird spp	#N/A	#N/A	1		X			X	SE						unable to distinguish between COGR and RUBL sounds like it is coming from island in lake outside PA
BF	2025-03-25	Spring Migration PC	PC58	10	Cago	Canada Goose	<i>Branta canadensis</i>	5	X	X			X	SE						MBBA code H, Foraging
BF	2025-03-25	Spring Migration PC	PC58	10	Sosp	Song Sparrow	<i>Melospiza melodia</i>	2		X			X	SE						
BF	2025-03-25	Spring Migration PC	PC58	10	Cora	Common Raven	<i>Corvus corax</i>	1		X			X	S						MBBA code X
BF	2025-03-25	Spring Migration PC	PC58	10	Piwo	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		X			X	SE						MBBA code X
BF	2025-03-25	Spring Migration PC	PC58	10	Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X		X		N						MBBA code S
BF	2025-03-25	Spring Migration PC	PC58	10	WIWR	Winter Wren	<i>Troglodytes hiemalis</i>	1		X		X		N						MBBA code S
BF	2025-03-25	Spring Migration PC	PC58	10	Come	Common Merganser	<i>Mergus merganser</i>	2	X				X	SE						
BF	2025-03-25	Spring Migration PC	PC59	10	Blja	Blue Jay	<i>Cyanocitta cristata</i>	1		X				N						Male and female
BF	2025-03-25	Spring Migration PC	PC59	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1		X				W/NW			X	E		MBBA code S
BF	2025-03-25	Spring Migration PC	PC59	10	Cago	Canada Goose	<i>Branta canadensis</i>	2		X				SE						Calling, likely same group as observed at PC58
BF	2025-03-25	Spring Migration PC	PC46	10	Cago	Canada Goose	<i>Branta canadensis</i>	5	X			X		N						MBBA code X
BF	2025-03-25	Spring Migration PC	PC46	10	Sosp	Song Sparrow	<i>Melospiza melodia</i>	1		X			X	E						MBBA code S
BF	2025-03-25	Spring Migration PC	PC46	10	Cora	Common Raven	<i>Corvus corax</i>	1		X			X	SE						MBBA code X
BF	2025-03-25	Spring Migration PC	PC46	10	Blackbird spp	#N/A	#N/A	1		X			X	E						unable to distinguish between COGR and RUBL sounds like it is coming from island in lake outside PA
BF	2025-03-25	Spring Migration PC	PC54	10	Piwo	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		X			X	Be						
BF	2025-03-25	Spring Migration PC	PC54	10	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	3		X			X	N						
BF	2025-03-25	Spring Migration PC	PC54	10	Cora	Common Raven	<i>Corvus corax</i>	1		X			X	N						
BF	2025-03-25	Spring Migration PC	PC54	10	Gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	3		X	X			N						
BF	2025-03-25	Spring Migration PC	PC54	10	Nofl	Northern Flicker	<i>Colaptes auratus</i>	1		X			X	Ne						
BF	2025-03-25	Spring Migration PC	PC52	10	Nofl	Northern Flicker	<i>Colaptes auratus</i>	1		X		X		Se						
BF	2025-03-25	Spring Migration PC	PC52	10	Cora	Common Raven	<i>Corvus corax</i>	1		X		X		Se						
BF	2025-03-25	Spring Migration PC	PC52	10	Cago	Canada Goose	<i>Branta canadensis</i>	3		X			X							
BF	2025-03-25	Spring Migration PC	PC52	10	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	1	X			X		E						
BF	2025-03-26	Spring Migration PC	PC2	10	Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	4		X	1	2	1	W, W, NE,NW						MBBA code S
BF	2025-03-26	Spring Migration PC	PC2	10	Amro	American Robin	<i>Turdus migratorius</i>	1		X			X	SE						MBBA code S

Table 2: 2025 Spring Migration Survey Results - Aulds Cove Wind Project

Project # 24-10440

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
BF	2025-03-26	Spring Migration PC	PC8	10	Cogr	Common Grackle	<i>Quiscalus quiscula</i>	1		X			N							
BF	2025-03-26	Spring Migration PC	PC5	10	Bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		X	X		NW							MBBA code S
BF	2025-03-26	Spring Migration PC	PC5	10	Rwbl	Red-winged Blackbird	<i>Agelaius phoeniceus</i>	2		X		X	N							MBBA code S
BF	2025-03-26	Spring Migration PC	PC5	10	Sosp	Song Sparrow	<i>Melospiza melodia</i>	1		X		X	Nw							MBBA code S
BF	2025-03-26	Spring Migration PC	PC5	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	2		X		X	N							
BF	2025-03-26	Spring Migration PC	PC5	10	Blja	Blue Jay	<i>Cyanocitta cristata</i>	3		X		X	Nw/N							
BF	2025-03-26	Spring Migration PC	PC5	10	Hawo	Hairy Woodpecker	<i>Dryobates villosus</i>	1		X		X	Ne							
BF	2025-03-26	Spring Migration PC	PC7	10	Blja	Blue Jay	<i>Cyanocitta cristata</i>	2		X		X	W							
BF	2025-03-26	Spring Migration PC	PC7	10	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	4		X		X	W							
BF	2025-03-26	Spring Migration PC	PC7	10	Bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		X		X	NW							MBBA code S
BF	2025-03-26	Spring Migration PC	PC7	10	Gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	3		X	X		E							MBBA code S
BF	2025-03-26	Spring Migration PC	PC7	10	Amro	American Robin	<i>Turdus migratorius</i>	2		X			Sw							
BF	2025-03-26	Spring Migration PC	PC9	10		#N/A				X		X	W							
BF	2025-03-26	Spring Migration PC	PC9	10	Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	2		X		X	W							MBBA code S
BF	2025-03-26	Spring Migration PC	PC9	10	Dowo	Downy Woodpecker	<i>Picoides pubescens</i>	2		X	X	X	Nw sw							
BF	2025-03-26	Spring Migration PC	PC9	10	Cogr	Common Grackle	<i>Quiscalus quiscula</i>	1		X		X	S							
BF	2025-03-26	Spring Migration PC	PC9	10	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	1		X		X	S							
BF	2025-03-26	Spring Migration PC	PC10	10	Cogr	Common Grackle	<i>Quiscalus quiscula</i>	1		X		X	Sw							
BF	2025-03-26	Spring Migration PC	PC10	10	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	1		X		X	Sw							
BF	2025-03-26	Spring Migration PC	PC10	10	Cora	Common Raven	<i>Corvus corax</i>	1		X		X	W							
BF	2025-03-26	Spring Migration PC	PC10	10	Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X		X	W							MBBA code S
BF	2025-03-26	Spring Migration PC	PC11	10	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	2		X		X	Sw							
BF	2025-03-26	Spring Migration PC	PC11	10	Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X		X	E							
BF	2025-03-26	Spring Migration PC	PC11	10	Piwo	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		X	X		Ne							
BF	2025-03-26	Spring Migration PC	PC11	10	Cora	Common Raven	<i>Corvus corax</i>	1		X		X	Sw							
BF	2025-03-28	Spring Migration PC	PC24	10	Bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		X	X		S							
BF	2025-03-28	Spring Migration PC	PC24	10	Amro	American Robin	<i>Turdus migratorius</i>	1		X	X		S							
BF	2025-03-28	Spring Migration PC	PC25	10	Home	Hooded Merganser	<i>Lophodytes cucullatus</i>	2	X			X	Se							MBBA code P, foraging
BF	2025-03-28	Spring Migration PC	PC25	10	Cago	Canada Goose	<i>Branta canadensis</i>	2 4	X	X		X	Sw SE2							Stopover
BF	2025-03-28	Spring Migration PC	PC25	10	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	2		X		X	W							
BF	2025-03-28	Spring Migration PC	PC25	10	Bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X		X	Se							MBBA code S
BF	2025-03-28	Spring Migration PC	PC25	10	Abdu	American Black Duck	<i>Anas rubripes</i>	1	X		X		Sw							Foraging
BF	2025-03-28	Spring Migration PC	PC26	10	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	5		X		X					NW			
BF	2025-03-28	Spring Migration PC	PC26	10	Caja	Canada Jay	<i>Perisoreus canadensis</i>	1		X		X	SE							
BF	2025-03-28	Spring Migration PC	PC26	10	Dowo	Downy Woodpecker	<i>Picoides pubescens</i>	1		X		X	Ne							
BF	2025-03-28	Spring Migration PC	PC26	10	Bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		X		X	Ne							
BF	2025-03-28	Spring Migration PC	PC26	10	Amro	American Robin	<i>Turdus migratorius</i>	1	X			X	E			Y	Se-NW			
BF	2025-03-28	Spring Migration PC	PC27	10	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	2		X		X	N							
BF	2025-03-28	Spring Migration PC	PC27	10	Bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X		X	W							MBBA code S
BF	2025-03-28	Spring Migration PC	PC29	10	Piwo	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		X		X	W							
BF	2025-03-28	Spring Migration PC	PC29	10	Dowo	Downy Woodpecker	<i>Picoides pubescens</i>	1		X		X	W							
BF	2025-03-28	Spring Migration PC	PC29	10	Bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		X	X	X	N							
BF	2025-03-28	Spring Migration PC	PC34	10	BrCr	Brown Creeper	<i>Certhia americana</i>	1		X		X	W							MBBA code S
BF	2025-03-28	Spring Migration PC	PC34	10	Blja	Blue Jay	<i>Cyanocitta cristata</i>	1		X		X	Sw							
BF	2025-03-28	Spring Migration PC	PC34	10	Gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		X		X	N							
BF	2025-03-28	Spring Migration PC	PC47	10	Piwo	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		X		X	Nw							
BF	2025-03-28	Spring Migration PC	PC47	10	Cora	Common Raven	<i>Corvus corax</i>	1		X		X	N							
BF	2025-03-28	Spring Migration PC	PC47	10	Cago	Canada Goose	<i>Branta canadensis</i>	1		X		X	Sw							
BF	2025-03-28	Spring Migration PC	PC47	10	Gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	4	X	X	X									
BF	2025-03-28	Spring Migration PC	PC47	10	Boch	Boreal Chickadee	<i>Poecile hudsonicus</i>	1	X		X									
BF	2025-03-28	Spring Migration PC	PC47	10	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	1		X		X	N							
BF	2025-03-28	Spring Migration PC	PC48	10	Cora	Common Raven	<i>Corvus corax</i>	2		X		X	N							
BF	2025-03-28	Spring Migration PC	PC48	10	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	1		X		X	NE							
BF	2025-03-28	Spring Migration PC	PC30	10	Gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		X	X		Sw							
BF	2025-03-28	Spring Migration PC	PC30	10	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	2		X		X	N							
BF	2025-03-28	Spring Migration PC	PC30	10	Cora	Common Raven	<i>Corvus corax</i>	1		X		X	N							
BF	2025-03-28	Spring Migration PC	PC33	10	GCKi	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		X		X	E							
BF	2025-04-02	Spring Migration PC	PC35	10	Spgr	Spruce Grouse	<i>Canachites canadensis</i>	2	X		X		SE							MBBA Code H
BF	2025-04-02	Spring Migration PC	PC37	10	Cogr	Common Grackle	<i>Quiscal</i>													

Table 2: 2025 Spring Migration Survey Results - Aulds Cove Wind Project

Project # 24-10440

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
BF	2025-04-03	Spring Migration PC	PC20	10	Sosp	Song Sparrow	Melospiza melodia	1		X	X		SE							MBBA code S
BF	2025-04-03	Spring Migration PC	PC21	10	Amro	American Robin	Turdus migratorius	1		X	X		Ne							
BF	2025-04-03	Spring Migration PC	PC21	10	Sosp	Song Sparrow	Melospiza melodia	1		X	X		N							MBBA code S
BF	2025-04-03	Spring Migration PC	PC21	10	Deju	Dark-eyed Junco	Junco hyemalis	2		X	X		N							MBBA code S
BF	2025-04-03	Spring Migration PC	PC21	10	Bcch	Black-capped Chickadee	Poecile atricapillus	2		X	X		S							MBBA Code H
BF	2025-04-03	Spring Migration PC	PC21	10	Amcr	American Crow	Corvus brachyrhynchos	1		X		X	NW							
BF	2025-04-03	Spring Migration PC	PC22	10	Cago	Canada Goose	Branta canadensis	3		X		X	S							
BF	2025-04-03	Spring Migration PC	PC22	10	Deju	Dark-eyed Junco	Junco hyemalis	3		X	2	1	SW							MBBA code S
BF	2025-04-03	Spring Migration PC	PC23	10	Deju	Dark-eyed Junco	Junco hyemalis	1		X	1									MBBA code S
BF	2025-04-03	Spring Migration PC	PC23	10	Cago	Canada Goose	Branta canadensis	4	X		2	2								MBBA code P, Two pairs
BF	2025-04-03	Spring Migration PC	PC23	10	Mall	Mallard	Anas platyrhynchos	2	X		2									MBBA Code H, Two females
BF	2025-04-03	Spring Migration PC	PC23	10	Home	Hooded Merganser	Lophodytes cucullatus	1	X		X									MBBA Code H
BF	2025-04-03	Spring Migration PC	PC23	10	Gcki	Golden-crowned Kinglet	Regulus satrapa	1		X	X									MBBA Code H
BF	2025-04-03	Spring Migration PC	PC23	10	Brcr	Brown Creeper	Certhia americana	1		X	X									MBBA code S
BF	2025-04-03	Spring Migration PC	PC12	10	Rugr	Ruffed Grouse	Bonasa umbellus	1		X	X		E							MBBA code S
BF	2025-04-03	Spring Migration PC	PC12	10	Amcr	American Crow	Corvus brachyrhynchos	2		X		X	E							
BF	2025-04-03	Spring Migration PC	PC13	10	Gcki	Golden-crowned Kinglet	Regulus satrapa	1		X	X									
BF	2025-04-03	Spring Migration PC	PC15	Incidental	RTHA	Red-tailed Hawk	Buteo jamaicensis	1	X			X	W							Observation, on opposite site of ravine perched then flew off. Unable to get a good look.
BF	2025-04-03	Spring Migration PC	PC15	10	Bcch	Black-capped Chickadee	Poecile atricapillus	1		X	X		N							
BF	2025-04-03	Spring Migration PC	PC15	10	Ahgu	American Herring Gull	Larus smithsonianus	1	X			X	E							
BF	2025-04-03	Spring Migration PC	PC15	10	Amcr	American Crow	Corvus brachyrhynchos	2		X		X	NE							
BF	2025-04-03	Spring Migration PC	PC15	10	Cago	Canada Goose	Branta canadensis	3	2	1	2	1	NE1							
BF	2025-04-03	Spring Migration PC	PC14	with access. High fa	NA	#N/A	#N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
BF	2025-04-15	Spring Migration PC	PC2	10	Deju	Dark-eyed Junco	Junco hyemalis	2	1	1	X		N							S
BF	2025-04-15	Spring Migration PC	PC2	10	Gcki	Golden-crowned Kinglet	Regulus satrapa	1		X	X		SE							
BF	2025-04-15	Spring Migration PC	PC2	10	AMRO	American Robin	Turdus migratorius	1		X		X	SW							
BF	2025-04-15	Spring Migration PC	PC3	10	Sosp	Song Sparrow	Melospiza melodia	1		X		X	SW							S
BF	2025-04-15	Spring Migration PC	PC3	10	Deju	Dark-eyed Junco	Junco hyemalis	1		X		X	NW							S
BF	2025-04-15	Spring Migration PC	PC3	10	Amcr	American Crow	Corvus brachyrhynchos	1		X	X		NE			Y		0-50	SW to NE	Migratory
BF	2025-04-15	Spring Migration PC	PC3	10	Cogr	Common Grackle	Quiscalus quiscula	1	X	X			S			7		50-100	S to NE	S, Migratory
BF	2025-04-15	Spring Migration PC	PC4	10	AMRO	American Robin	Turdus migratorius	11	2		2		S							S
BF	2025-04-15	Spring Migration PC	PC4	10	Deju	Dark-eyed Junco	Junco hyemalis	2	X		X		S							Pair in suitable habitat
BF	2025-04-15	Spring Migration PC	PC4	10	Home	Hooded Merganser	Lophodytes cucullatus	2	X			X	NE							14 males two females
BF	2025-04-15	Spring Migration PC	PC4	10	Rndu	Ring-necked Duck	Aythya collaris	16	X			X	NE							
BF	2025-04-15	Spring Migration PC	PC4	10	Piwo	Pileated Woodpecker	Dryocopus pileatus	1		X		X	NW							
BF	2025-04-15	Spring Migration PC	PC4	10	Sosp	Song Sparrow	Melospiza melodia	1		X		X	W							S
BF	2025-04-15	Spring Migration PC	PC6	10	AMRO	American Robin	Turdus migratorius	11	X							Y		50-100	SW to NE	Migratory
BF	2025-04-15	Spring Migration PC	PC6	10	Rugr	Ruffed Grouse	Bonasa umbellus	1	X		X		N							
BF	2025-04-15	Spring Migration PC	PC6	10	Abdu	American Black Duck	Anas rubripes	2	X							Y		50-100	SW to NE	Migratory
BF	2025-04-15	Spring Migration PC	PC6	10	Deju	Dark-eyed Junco	Junco hyemalis	1		X	X		Sw							S
BF	2025-04-15	Spring Migration PC	PC8	10	AMRO	American Robin	Turdus migratorius	2	X							Y		0-50	SW to NE	Migratory
BF	2025-04-15	Spring Migration PC	PC5	10	COGR	Common Grackle	Quiscalus quiscula	1		X		X	NE							
BF	2025-04-15	Spring Migration PC	PC5	10	GCKI	Golden-crowned Kinglet	Regulus satrapa	1		X	X		NE							
BF	2025-04-15	Spring Migration PC	PC5	10	CORA	Common Raven	Corvus corax	2	X							Y		50-100	NE to SW	Migratory
BF	2025-04-15	Spring Migration PC	PC5	10	AMRO	American Robin	Turdus migratorius	1	X							Y		0-50	N to S	Migratory
BF	2025-04-15	Spring Migration PC	PC7	10	Deju	Dark-eyed Junco	Junco hyemalis	1		X	X		S							
BF	2025-04-15	Spring Migration PC	PC9	10	HAWO	Hairy Woodpecker	Dryobates villosus	1		X		X	SW							
BF	2025-04-15	Spring Migration PC	PC10	10	NOFL	Northern Flicker	Colaptes auratus	1	X			X	N							
BF	2025-04-15	Spring Migration PC	PC10	10	AMRO	American Robin	Turdus migratorius	3	X							Y		50-100	SW to NE	Migratory
BF	2025-04-15	Spring Migration PC	PC11	10	Abdu	American Black Duck	Anas rubripes	2	X		X		W							
BF	2025-04-15	Spring Migration PC	PC10	10	Cago	Canada Goose	Branta canadensis	4	X			X	NW							Two pairs in suitable habitat. Males were aggressive to each other.
BF	2025-04-15	Spring Migration PC	PC10	10	Rndu	Ring-necked Duck	Aythya collaris	2	X			X	W							
BF	2025-04-15	Spring Migration PC	PC10	10	Deju	Dark-eyed Junco	Junco hyemalis	1		X	X		N							S
BF	2025-04-15	Spring Migration PC	PC10	10	AMCR	American Crow	Corvus brachyrhynchos	2	X		X		NW							
BF	2025-04-16	Spring Migration PC	PC35	10	AMRO	American Robin	Turdus migratorius	3		X	X		N							
BF	2025-04-16	Spring Migration PC	PC35	10	NOFL	Northern Flicker	Colaptes auratus	1		X		X	SW							
BF	2025-04-16	Spring Migration PC	PC35	10	CAGO	Canada Goose	Branta canadensis	1		X		X	S							
BF	2025-04-16	Spring Migration PC	PC35	10	AGOL	American Goldfinch	Spinus tristis	1		X		X	SW							
BF	2025-04-16	Spring Migration PC	PC35	10	AMCR	American Crow	Corvus brachyrhynchos	2		X		X	N							
BF	2025-04-16																			

Table 2: 2025 Spring Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
BF	2025-04-16	Spring Migration PC	PC24	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2		X			X	W						
BF	2025-04-16	Spring Migration PC	PC24	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		X	X			E						
BF	2025-04-16	Spring Migration PC	PC24	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1		X		X		SW						
BF	2025-04-16	Spring Migration PC	PC25	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2	X	X		X		SW						
BF	2025-04-16	Spring Migration PC	PC25	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	2		X		X		SE and W						
BF	2025-04-16	Spring Migration PC	PC25	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		X	X			N						
BF	2025-04-16	Spring Migration PC	PC25	10	RNDU	Ring-necked Duck	<i>Aythya collaris</i>	10	X								Y	50-100	SW to NE to W	Flew over lake a few times turning different directions before heading west
BF	2025-04-16	Spring Migration PC	PC25	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X			X	W						
BF	2025-04-16	Spring Migration PC	PC25	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X		X		N						
BF	2025-04-16	Spring Migration PC	PC25	10	CAGO	Canada Goose	<i>Branta canadensis</i>	2	X				X	SE						P
BF	2025-04-16	Spring Migration PC	PC30	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1												
BF	2025-04-16	Spring Migration PC	PC30	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1												
BF	2025-04-16	Spring Migration PC	PC30	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1												
BF	2025-04-16	Spring Migration PC	PC30	10	AMRO	American Robin	<i>Turdus migratorius</i>	1												
BF	2025-04-16	Spring Migration PC	PC30	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	1									Y	50-100	W to E	Migratory
BF	2025-04-16	Spring Migration PC	PC33	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1		X			X	SW	X					S
BF	2025-04-16	Spring Migration PC	PC33	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		X	X			W						
BF	2025-04-17	Spring Migration PC	PC55	10	AMRO	American Robin	<i>Turdus migratorius</i>	6		X		X		Everywhere						S
BF	2025-04-17	Spring Migration PC	PC55	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1		X	X									S
BF	2025-04-17	Spring Migration PC	PC55	10	CORA	Common Raven	<i>Corvus corax</i>	1	X				X	SW						
BF	2025-04-17	Spring Migration PC	PC55	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X		X		S						S
BF	2025-04-17	Spring Migration PC	PC55	10	Waterfowl sp	#N/A	#N/A	1	X								Y	50-100	NW to SE	Migratory
BF	2025-04-17	Spring Migration PC	PC53	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		X		X		S						S
BF	2025-04-17	Spring Migration PC	PC53	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X	X			NE						S
BF	2025-04-17	Spring Migration PC	PC53	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X		X		W						S
BF	2025-04-17	Spring Migration PC	PC53	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		X			X	NW						
BF	2025-04-17	Spring Migration PC	PC53	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	6	X	X							Y	50-100	5SW to NE, 1 SE to NW	Migratory
BF	2025-04-17	Spring Migration PC	PC53	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2		X	X		X	N						S
BF	2025-04-17	Spring Migration PC	PC51	10	WtWR	Winter Wren	<i>Troglodytes hiemalis</i>	1		X			X	S						S
BF	2025-04-17	Spring Migration PC	PC51	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1		X		X		NW						S
BF	2025-04-17	Spring Migration PC	PC51	10	AMRO	American Robin	<i>Turdus migratorius</i>	9	X	X	2			N			6	100	W to E	S
BF	2025-04-17	Spring Migration PC	PC51	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X				NE						S
BF	2025-04-17	Spring Migration PC	PC51	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	3		X				S						S
BF	2025-04-17	Spring Migration PC	PC51	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1		X				S						
BF	2025-04-17	Spring Migration PC	PC51	10	Waterfowl sp	#N/A	#N/A	7	X								Y	100	W to E	Migratory
BF	2025-04-17	Spring Migration PC	PC51	10	DCCO	Double-crested Cormorant	<i>Nannopterum auritum</i>	1	X								Y	100	NW to SE	Migratory
BF	2025-04-17	Spring Migration PC	PC51	10	COLO	Common Loon	<i>Gavia immer</i>	1		X			X	N						S
BF	2025-04-17	Spring Migration PC	PC50	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X	X									S
BF	2025-04-17	Spring Migration PC	PC50	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		X		X								S
BF	2025-04-17	Spring Migration PC	PC50	10	AMRO	American Robin	<i>Turdus migratorius</i>	3	X	X	2						1	100	SW to NE	S, Migratory
BF	2025-04-17	Spring Migration PC	PC50	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	3	X	X							Y	100	SW to NE	Migratory
BF	2025-04-17	Spring Migration PC	PC50	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1	X								Y	50-100	W to E	Migratory
BF	2025-04-17	Spring Migration PC	PC50	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		X		X								S
BF	2025-04-17	Spring Migration PC	PC56	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	4	X	X	X			E						S
BF	2025-04-17	Spring Migration PC	PC56	10	WIWR	Winter Wren	<i>Troglodytes hiemalis</i>	1		X			X	SW						S
BF	2025-04-17	Spring Migration PC	PC56	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1		X			X	SE						S
BF	2025-04-17	Spring Migration PC	PC56	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X		X		SW						S
BF	2025-04-17	Spring Migration PC	PC56	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X	X			SE						S
BF	2025-04-17	Spring Migration PC	PC57	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2		X				NW						S
BF	2025-04-17	Spring Migration PC	PC57	10	WIWR	Winter Wren	<i>Troglodytes hiemalis</i>	1		X			X	SW						S
BF	2025-04-17	Spring Migration PC	PC57	10	AMRO	American Robin	<i>Turdus migratorius</i>	2		X	1		1	SW, E						S
BF	2025-04-17	Spring Migration PC	PC57	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	1	X								Y	100	SW to Ne	Migratory
BF	2025-04-17	Spring Migration PC	PC57	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1		X			X	SW						
BF	2025-04-17	Spring Migration PC	PC57	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1	X	X							Y	100	SE to Nw	Migratory
BF	2025-04-17	Spring Migration PC	PC58	10	DCCO	Double-crested Cormorant	<i>Nannopterum auritum</i>	1	X				1	SE						
BF	2025-04-17	Spring Migration PC	PC58	10	COLO	Common Loon	<i>Gavia immer</i>	2	X	X			1	SE						
BF	2025-04-17	Spring Migration PC	PC58	10	WIWR	Winter Wren	<i>Troglodytes hiemalis</i>	1		X	X			N						S
BF	2025-04-17	Spring Migration PC	PC58	10	HAWO	Hairy Woodpecker	<i>Dryobates vil</i>													

Table 2: 2025 Spring Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
SC	2025-05-21	Spring Migration PC	PC15	10	WIWR	Winter Wren	Troglodytes hiemalis	1		X			1							
SC	2025-05-21	Spring Migration PC	PC15	10	OVEN	Ovenbird	Seiurus aurocapilla	1		X			1							
SC	2025-05-21	Spring Migration PC	PC15	10	AMRO	American Robin	Turdus migratorius	2		X		1	1							
SC	2025-05-21	Spring Migration PC	PC15	10	BTNW	Black-throated Green Warbler	Setophaga virens	1		X		1								
SC	2025-05-21	Spring Migration PC	PC15	10	NOPA	Northern Parula	Setophaga americana	1		X		1								
SC	2025-05-21	Spring Migration PC	PC15	10	COYE	Common Yellowthroat	Geothlypis trichas	1		X	1									
SC	2025-05-21	Spring Migration PC	PC15	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	1	X		1									
SC	2025-05-21	Spring Migration PC	PC15	10	AGOL	American Goldfinch	Spinus tristis	5	X			5		NE			X	50	NE	
SC	2025-05-21	Spring Migration PC	PC15	10	BAEA	Bald Eagle	Haliaeetus leucocephalus	1	X				1	SW			X	50	SW	
SC	2025-05-21	Spring Migration PC	PC13	10	BEKI	Belted Kingfisher	Megaceryle alcyon	1	X				1							
SC	2025-05-21	Spring Migration PC	PC13	10	PIWO	Pileated Woodpecker	Dryocopus pileatus	1		X			1							
SC	2025-05-21	Spring Migration PC	PC13	10	OVEN	Ovenbird	Seiurus aurocapilla	2		X		1	1							
SC	2025-05-21	Spring Migration PC	PC13	10	AMRO	American Robin	Turdus migratorius	1		X		1								
SC	2025-05-21	Spring Migration PC	PC13	10	BTNW	Black-throated Green Warbler	Setophaga virens	1		X		1								
SC	2025-05-21	Spring Migration PC	PC12	10	AMRO	American Robin	Turdus migratorius	1		X			1							
SC	2025-05-21	Spring Migration PC	PC12	10	AMCR	American Crow	Corvus brachyrhynchos	1		X			1							
SC	2025-05-21	Spring Migration PC	PC12	10	NOPA	Northern Parula	Setophaga americana	1		X		1								
SC	2025-05-21	Spring Migration PC	PC12	10	OVEN	Ovenbird	Seiurus aurocapilla	2		X		1	1							
SC	2025-05-21	Spring Migration PC	PC12	10	REVI	Red-eyed Vireo	Vireo olivaceus	1		X										
SC	2025-05-21	Spring Migration PC	PC12	10	BHVI	Blue-headed Vireo	Vireo solitarius	1		X		1								
SC	2025-05-21	Spring Migration PC	PC12	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	1		X										
SC	2025-05-21	Spring Migration PC	PC12	10	DEJU	Dark-eyed Junco	Junco hyemalis	1		X		1								
SC	2025-05-21	Spring Migration PC	PC12	10	BAWW	Black-and-white Warbler	Mniotilta varia	1		X	1									
SC	2025-05-21	Spring Migration PC	PC12	10	GCKI	Golden-crowned Kinglet	Regulus satrapa	1		X	1									
SC	2025-05-21	Spring Migration PC	PC12	10	YRWA	Yellow-rumped Warbler	Setophaga coronata	1		X	1									
SC	2025-05-21	Spring Migration PC	PC12	10	AGOL	American Goldfinch	Spinus tristis	1		X		1					X	75	NE	
SC	2025-05-21	Spring Migration PC	PC16	10	AMRO	American Robin	Turdus migratorius	3		X	1	1	1							
SC	2025-05-21	Spring Migration PC	PC16	10	OVEN	Ovenbird	Seiurus aurocapilla	1		X			1							
SC	2025-05-21	Spring Migration PC	PC16	10	RBNU	Red-breasted Nuthatch	Sitta canadensis	1		X			1							
SC	2025-05-21	Spring Migration PC	PC16	10	NOPA	Northern Parula	Setophaga americana	1		X			1							
SC	2025-05-21	Spring Migration PC	PC16	10	RWBL	Red-winged Blackbird	Agelaius phoeniceus	2		X		1	1							
SC	2025-05-21	Spring Migration PC	PC16	10	AMCR	American Crow	Corvus brachyrhynchos	1		X		1								
SC	2025-05-21	Spring Migration PC	PC16	10	YRWA	Yellow-rumped Warbler	Setophaga coronata	1		X		1								
SC	2025-05-21	Spring Migration PC	PC16	10	REVI	Red-eyed Vireo	Vireo olivaceus	1		X		1								
SC	2025-05-21	Spring Migration PC	PC16	10	AMRO	American Robin	Turdus migratorius	2		X		1	1							
SC	2025-05-21	Spring Migration PC	PC16	10	COGR	Common Grackle	Quiscalus quiscula	3	X		3									
SC	2025-05-21	Spring Migration PC	PC16	10	BEKI	Belted Kingfisher	Megaceryle alcyon	1		X	1									
SC	2025-05-21	Spring Migration PC	PC16	10	SOSP	Song Sparrow	Melospiza melodia	2	X		2									
SC	2025-05-21	Spring Migration PC	PC16	10	AMCR	American Crow	Corvus brachyrhynchos	1	X								X	N	75	
SC	2025-05-21	Spring Migration PC	PC16	10	AGOL	American Goldfinch	Spinus tristis	1	X	X							X	N	75	
SC	2025-05-21	Spring Migration PC	PC16	10	BEKI	Belted Kingfisher	Megaceryle alcyon	1	X	X							X	N	50	Circling North shore of lake hunting.
SC	2025-05-21	Spring Migration PC	PC16	10	COGR	Common Grackle	Quiscalus quiscula	2	X									SE	75	
SC	2025-05-21	Spring Migration PC	PC16	10	COGO	Common Goldeneye	Bucephala clangula	2	X								X	NW	50	
SC	2025-05-22	Spring Migration PC	PC37	10	RBNU	Red-breasted Nuthatch	Sitta canadensis	1					1	W						
SC	2025-05-22	Spring Migration PC	PC37	10	CAGO	Canada Goose	Branta canadensis	2		X			2	W						
SC	2025-05-22	Spring Migration PC	PC37	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	3		X	1	1	1	NW, NE, E						
SC	2025-05-22	Spring Migration PC	PC37	10	BCCH	Black-capped Chickadee	Poecile atricapillus	1		X		1		NW						
SC	2025-05-22	Spring Migration PC	PC37	10	OVEN	Ovenbird	Seiurus aurocapilla	1		X			1	NW						
SC	2025-05-22	Spring Migration PC	PC37	10	BTNW	Black-throated Green Warbler	Setophaga virens	3		X	1	2		NW, SW						
SC	2025-05-22	Spring Migration PC	PC37	10	AMRO	American Robin	Turdus migratorius	1		X			1	N						
SC	2025-05-22	Spring Migration PC	PC37	10	BHVI	Blue-headed Vireo	Vireo solitarius	1		X			1	W						
SC	2025-05-22	Spring Migration PC	PC37	10	SWTH	Swainson's Thrush	Catharus ustulatus	2		X	1	1		NW, W						
SC	2025-05-22	Spring Migration PC	PC37	10	COYE	Common Yellowthroat	Geothlypis trichas	1		X	1			NW						
SC	2025-05-22	Spring Migration PC	PC37	10	NOPA	Northern Parula	Setophaga americana	1		X	1			N						
SC	2025-05-22	Spring Migration PC	PC37	10	YRWA	Yellow-rumped Warbler	Setophaga coronata	2	X	X	2			NE						
SC	2025-05-22	Spring Migration PC	PC37	10	BBWA	Bay-breasted Warbler	Setophaga castanea	1		X	1			SE						
SC	2025-05-22	Spring Migration PC	PC37	10	BTBW	Black-throated Blue Warbler	Setophaga caerulescens	1		X	1			SW						
SC	2025-05-22	Spring Migration PC	PC37	10	BOCH	Boreal Chickadee	Poecile hudsonicus	1		X	1			W						
SC	2025-05-22	Spring Migration PC	PC37	10	BAWW	Black-and-white Warbler	Mniotilta varia	1		X	1			NW						
SC	2025-05-22	Spring Migration PC	PC37	10	HETH	Hermit Thrush	Catharus guttatus	1		X			1	SW						

Table 2: 2025 Spring Migration Survey Results - Aulds Cove Wind Project

Project # 24-10440

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
SC	2025-05-22	Spring Migration PC	PC45	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X		1		NE						
SC	2025-05-22	Spring Migration PC	PC45	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X		1		E						
SC	2025-05-22	Spring Migration PC	PC45	10	WBNU	White-breasted Nuthatch	<i>Sitta carolinensis</i>	1		X	1			NE						
SC	2025-05-22	Spring Migration PC	PC45	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1		X	1			SE						
SC	2025-05-22	Spring Migration PC	PC45	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1	X		1			SE						
SC	2025-05-22	Spring Migration PC	PC45	10	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		X	1			E						
SC	2025-05-22	Spring Migration PC	PC45	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		X							X	75	E	
SC	2025-05-22	Spring Migration PC	PC47	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		X			2	NW, N						
SC	2025-05-22	Spring Migration PC	PC47	10	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1		X			1	NW						
SC	2025-05-22	Spring Migration PC	PC47	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	2		X		1	1	N, W						
SC	2025-05-22	Spring Migration PC	PC47	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	2		X			2	N, S						
SC	2025-05-22	Spring Migration PC	PC47	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1		X			1	N						
SC	2025-05-22	Spring Migration PC	PC47	10	COLO	Common Loon	<i>Gavia immer</i>	1		X			1	SE						
SC	2025-05-22	Spring Migration PC	PC47	10	CAGO	Canada Goose	<i>Branta canadensis</i>	1		X			1	SE						
SC	2025-05-22	Spring Migration PC	PC47	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		X			1	S						
SC	2025-05-22	Spring Migration PC	PC47	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		X		2		N, W						
SC	2025-05-22	Spring Migration PC	PC47	10	AMRO	American Robin	<i>Turdus migratorius</i>	1	X	X			1	W						
SC	2025-05-22	Spring Migration PC	PC47	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X			1	W						
SC	2025-05-22	Spring Migration PC	PC47	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1		X	1			W						
SC	2025-05-22	Spring Migration PC	PC47	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	2	X		2			N						
SC	2025-05-22	Spring Migration PC	PC47	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	1			NE						
SC	2025-05-22	Spring Migration PC	PC47	10	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		X	1			SE						
SC	2025-05-22	Spring Migration PC	PC47	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		X	1			S						
SC	2025-05-22	Spring Migration PC	PC48	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	2		X		1	1	NE, S						
SC	2025-05-22	Spring Migration PC	PC48	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		X			1	NE						
SC	2025-05-22	Spring Migration PC	PC48	10	AMRO	American Robin	<i>Turdus migratorius</i>	2		X		1	1	NW, SE						
SC	2025-05-22	Spring Migration PC	PC48	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1	X			1		E						
SC	2025-05-22	Spring Migration PC	PC48	10	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1		X		1		NE						
SC	2025-05-22	Spring Migration PC	PC48	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X		1		SW						
SC	2025-05-22	Spring Migration PC	PC48	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		X		2		E, S						
SC	2025-05-22	Spring Migration PC	PC48	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		X	1	1		E, SE						
SC	2025-05-22	Spring Migration PC	PC48	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X		1		SE						
SC	2025-05-22	Spring Migration PC	PC48	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1		X	1			E						
SC	2025-05-22	Spring Migration PC	PC48	10	YEWA	Yellow Warbler	<i>Setophaga petechia</i>	1	X	X	1			SE						
SC	2025-05-22	Spring Migration PC	PC48	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X	1			NE						
SC	2025-05-22	Spring Migration PC	PC48	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	1			NE						
SC	2025-05-22	Spring Migration PC	PC48	10	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		X	1			N						
SC	2025-05-22	Spring Migration PC	PC48	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2	X	X							X	75	N	
SC	2025-05-22	Spring Migration PC	PC46	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	3	X	X		1	2	E						
SC	2025-05-22	Spring Migration PC	PC46	10	CORA	Common Raven	<i>Corvus corax</i>	2		X			2	N						
SC	2025-05-22	Spring Migration PC	PC46	10	SPSA	Spotted Sandpiper	<i>Actitis macularius</i>	1		X			1	SE						
SC	2025-05-22	Spring Migration PC	PC46	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X			1	S						
SC	2025-05-22	Spring Migration PC	PC46	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		X			1	S						
SC	2025-05-22	Spring Migration PC	PC46	10	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1		X			1	S						
SC	2025-05-22	Spring Migration PC	PC46	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X			1	W						
SC	2025-05-22	Spring Migration PC	PC46	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		X		1		S						
SC	2025-05-22	Spring Migration PC	PC46	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		X		1		S						
SC	2025-05-22	Spring Migration PC	PC46	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		X		1		SW						
SC	2025-05-22	Spring Migration PC	PC46	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	1			SW						
SC	2025-05-22	Spring Migration PC	PC41	10	CORA	Common Raven	<i>Corvus corax</i>	2		X			2	S, SE						
SC	2025-05-22	Spring Migration PC	PC41	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1		X			1	SW						
SC	2025-05-22	Spring Migration PC	PC41	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X			1	SW						
SC	2025-05-22	Spring Migration PC	PC41	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X			1	SW						
SC	2025-05-22	Spring Migration PC	PC41	10	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	2		X			2	W, S						
SC	2025-05-22	Spring Migration PC	PC41	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X		1		NW						
SC	2025-05-22	Spring Migration PC	PC41	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	3	X	X	1	2		S, NW, SE						
SC	2025-05-22	Spring Migration PC	PC41	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X				NW						
SC	2025-05-22	Spring Migration PC	PC41	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		X			1	SW						

Table 2: 2025 Spring Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
SC	2025-05-22	Spring Migration PC	PC42	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		X			1	SW						
SC	2025-05-22	Spring Migration PC	PC42	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X		1		NW						
SC	2025-05-22	Spring Migration PC	PC42	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		X	1			NE						
SC	2025-05-22	Spring Migration PC	PC42	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X		1		SE						
SC	2025-05-23	Spring Migration PC	PC55	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X			1	NW						
SC	2025-05-23	Spring Migration PC	PC55	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2		X		1	1	N, W						
SC	2025-05-23	Spring Migration PC	PC55	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X		1		NE						
SC	2025-05-23	Spring Migration PC	PC55	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X			1	SE						
SC	2025-05-23	Spring Migration PC	PC55	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	2		X		1	1	W, SE						
SC	2025-05-23	Spring Migration PC	PC55	10	WIWR	Winter Wren	<i>Troglodytes hiemalis</i>	1		X			1	SW						
SC	2025-05-23	Spring Migration PC	PC55	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X	1			NW						
SC	2025-05-23	Spring Migration PC	PC54	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X			1	NW						
SC	2025-05-23	Spring Migration PC	PC54	10	BOCH	Boreal Chickadee	<i>Poecile hudsonicus</i>	1		X			1	N						
SC	2025-05-23	Spring Migration PC	PC54	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X			1	N						
SC	2025-05-23	Spring Migration PC	PC54	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X			1	NE						
SC	2025-05-23	Spring Migration PC	PC54	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X		1		SE						
SC	2025-05-23	Spring Migration PC	PC54	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1	X						X					
SC	2025-05-23	Spring Migration PC	PC53	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X			1	NNE						
SC	2025-05-23	Spring Migration PC	PC53	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X			1	NE						
SC	2025-05-23	Spring Migration PC	PC53	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X			1	E						
SC	2025-05-23	Spring Migration PC	PC53	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X		1		SSW						
SC	2025-05-23	Spring Migration PC	PC53	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X			1	N						
SC	2025-05-23	Spring Migration PC	PC53	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		X						X	50	NNE		
SC	2025-05-23	Spring Migration PC	PC51	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X			1	NW						
SC	2025-05-23	Spring Migration PC	PC51	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X			1	SW						
SC	2025-05-23	Spring Migration PC	PC51	10	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		X		1		NW						
SC	2025-05-23	Spring Migration PC	PC51	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X		1		E						
SC	2025-05-23	Spring Migration PC	PC52	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X		1		SW						
SC	2025-05-23	Spring Migration PC	PC52	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X		1		S						
SC	2025-05-23	Spring Migration PC	PC52	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X		1		SE						
SC	2025-05-23	Spring Migration PC	PC50	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		X		2		W, S						
SC	2025-05-23	Spring Migration PC	PC56	10	COLO	Common Loon	<i>Gavia immer</i>	2		X			2	SW						
SC	2025-05-23	Spring Migration PC	PC56	10	AMRO	American Robin	<i>Turdus migratorius</i>	1	X	X			1	W						
SC	2025-05-23	Spring Migration PC	PC56	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		X			1	NW						
SC	2025-05-23	Spring Migration PC	PC56	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X		1		S						
SC	2025-05-23	Spring Migration PC	PC56	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	1		X	1			SW						
RM	2025-05-21	Spring Migration PC	PC5	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	3		X	1	2		Ne						
RM	2025-05-21	Spring Migration PC	PC5	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1		X	1			E						
RM	2025-05-21	Spring Migration PC	PC5	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		X		1		N						
RM	2025-05-21	Spring Migration PC	PC5	10	CAGO	Canada Goose	<i>Branta canadensis</i>	10		X			10	E						
RM	2025-05-21	Spring Migration PC	PC5	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2		X	2			N						
RM	2025-05-21	Spring Migration PC	PC5	10	NOWA	Northern Waterthrush	<i>Parkesia noveboracensis</i>	1		X		1		Nw						
RM	2025-05-21	Spring Migration PC	PC5	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		X	1	1		W						
RM	2025-05-21	Spring Migration PC	PC5	10	Bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X	1			Se						
RM	2025-05-21	Spring Migration PC	PC5	10	RwbI	Red-winged Blackbird	<i>Agelaius phoeniceus</i>	2		X	2			E						
RM	2025-05-21	Spring Migration PC	PC5	10	Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	2		X	2			W						
RM	2025-05-21	Spring Migration PC	PC5	10	Nopa	Northern Parula	<i>Setophaga americana</i>	1		X	1			Nw						
RM	2025-05-21	Spring Migration PC	PC5	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X		1		Nw						
RM	2025-05-21	Spring Migration PC	PC5	10	Sora	Sora	<i>Porzana carolina</i>	1		X	1			E						Calling from wetland on east side of road
RM	2025-05-21	Spring Migration PC	PC5	10	Hawo	Hairy Woodpecker	<i>Dryobates villosus</i>	1	X	X	1			E						
RM	2025-05-21	Spring Migration PC	PC5	10	Mawa	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X	1			E						
RM	2025-05-21	Spring Migration PC	PC5	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		X	1			W						
RM	2025-05-21	Spring Migration PC	PC5	10	RNDU	Ring-necked Duck	<i>Aythya collaris</i>	2	X	X	2			E						Pair in suitable habitat
RM	2025-05-21	Spring Migration PC	PC5	10	Baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	1			E						
RM	2025-05-21	Spring Migration PC	PC5	10	Amro	American Robin	<i>Turdus migratorius</i>	1		X	1			S						
RM	2025-05-21	Spring Migration PC	PC5	10	Amre	American Redstart	<i>Setophaga ruticilla</i>	1		X	1			E						
RM	2025-05-21	Spring Migration PC	PC7	10	Mawa	Magnolia Warbler	<i>Setophaga magnolia</i>	2		X	2			W						
RM	2025-05-21	Spring Migration PC	PC7	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	3	X	X	2	1		E						

Table 2: 2025 Spring Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
RM	2025-05-21	Spring Migration PC	PC11	10	SOSP	Song Sparrow	Melospiza melodia	1		X		1		Nw						
RM	2025-05-21	Spring Migration PC	PC11	10	HETH	Hermit Thrush	Catharus guttatus	1		X				S						
RM	2025-05-21	Spring Migration PC	PC11	10	Deju	Dark-eyed Junco	Junco hyemalis	1		X	1			S						
RM	2025-05-21	Spring Migration PC	PC11	10	Baww	Black-and-white Warbler	Mniotilta varia	1		X	1			S						
RM	2025-05-21	Spring Migration PC	PC11	10	RwbI	Red-winged Blackbird	Agelaius phoeniceus	1		X		1		W						
RM	2025-05-21	Spring Migration PC	PC11	10	PUFI	Purple Finch	Haemorrhous purpureus	2		X	2	1		W		1	50-100	W		One singing, one flyover
RM	2025-05-21	Spring Migration PC	PC11	10	AGOL	American Goldfinch	Spinus tristis	1		X	1			Sw						
RM	2025-05-21	Spring Migration PC	PC11	10	CAGO	Canada Goose	Branta canadensis	1	X			1		W						One adult swimming in lake
RM	2025-05-21	Spring Migration PC	PC11	10	RCKI	Ruby-crowned Kinglet	Corthylio calendula	1		X		1		W						
RM	2025-05-21	Spring Migration PC	PC11	10	AMCR	American Crow	Corvus brachyrhynchos	1		X		1		E						
RM	2025-05-21	Spring Migration PC	PC11	10	SWSP	Swamp Sparrow	Melospiza georgiana	1		X		1		N						
RM	2025-05-21	Spring Migration PC	PC6	10	CAGO	Canada Goose	Branta canadensis	1		X		1		Sw						
RM	2025-05-21	Spring Migration PC	PC6	10	BHVI	Blue-headed Vireo	Vireo solitarius	1		X	1			Sw						
RM	2025-05-21	Spring Migration PC	PC6	10	COYE	Common Yellowthroat	Geothlypis trichas	1		X	1			Sw						
RM	2025-05-21	Spring Migration PC	PC6	10	Amre	American Redstart	Setophaga ruticilla	1		X	1			N						
RM	2025-05-21	Spring Migration PC	PC6	10	Oven	Ovenbird	Seiurus aurocapilla	1		X		1		W						
RM	2025-05-21	Spring Migration PC	PC6	10	Btnw	Black-throated Green Warbler	Setophaga virens	1		X	1			Ne						
RM	2025-05-21	Spring Migration PC	PC6	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	1		X	1			Sw						
RM	2025-05-21	Spring Migration PC	PC6	10	AGOL	American Goldfinch	Spinus tristis	2		X	2			Nw						
RM	2025-05-21	Spring Migration PC	PC6	10	NOFL	Northern Flicker	Colaptes auratus	1		X	1			Sw						
RM	2025-05-21	Spring Migration PC	PC6	10	HETH	Hermit Thrush	Catharus guttatus	1		X		1		S						
RM	2025-05-21	Spring Migration PC	PC8	10	Coye	Common Yellowthroat	Geothlypis trichas	1		X	1			Sw						
RM	2025-05-21	Spring Migration PC	PC8	10	NOFL	Northern Flicker	Colaptes auratus	1		X		1		Sw						
RM	2025-05-21	Spring Migration PC	PC8	10	PUFI	Purple Finch	Haemorrhous purpureus	1		X		1		W						
RM	2025-05-21	Spring Migration PC	PC8	10	RCKI	Ruby-crowned Kinglet	Corthylio calendula	1		X	1			S						
RM	2025-05-21	Spring Migration PC	PC8	10	BHVI	Blue-headed Vireo	Vireo solitarius	1		X	1			Nw						
RM	2025-05-21	Spring Migration PC	PC8	10	AMCR	American Crow	Corvus brachyrhynchos	1		X		1		Sw						
RM	2025-05-21	Spring Migration PC	PC8	10	Btnw	Black-throated Green Warbler	Setophaga virens	1		X	1			Sw						
RM	2025-05-21	Spring Migration PC	PC8	10	Mawa	Magnolia Warbler	Setophaga magnolia	1		X	1			Sw						
RM	2025-05-21	Spring Migration PC	PC4	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	1		X		1		Se						
RM	2025-05-21	Spring Migration PC	PC4	10	Amro	American Robin	Turdus migratorius	2		X	2			Se						Pair observed
RM	2025-05-21	Spring Migration PC	PC4	10	SOSP	Song Sparrow	Melospiza melodia	1		X		1		E						
RM	2025-05-21	Spring Migration PC	PC4	10	BHVI	Blue-headed Vireo	Vireo solitarius	1		X	1			Se						
RM	2025-05-21	Spring Migration PC	PC4	10	Btnw	Black-throated Green Warbler	Setophaga virens	1		X	1			N						
RM	2025-05-21	Spring Migration PC	PC4	10	Oven	Ovenbird	Seiurus aurocapilla	1		X	1			N						
RM	2025-05-21	Spring Migration PC	PC4	10	Mawa	Magnolia Warbler	Setophaga magnolia	2		X	2			Nw						
RM	2025-05-21	Spring Migration PC	PC4	10	Baww	Black-and-white Warbler	Mniotilta varia	1		X	1			Se						
RM	2025-05-21	Spring Migration PC	PC4	10	SWSP	Swamp Sparrow	Melospiza georgiana	1		X	1			Se						
RM	2025-05-21	Spring Migration PC	PC4	10	Cora	Common Raven	Corvus corax	1		X		1		N						
RM	2025-05-21	Spring Migration PC	PC4	10	NOFL	Northern Flicker	Colaptes auratus	1		X		1		S						
RM	2025-05-21	Spring Migration PC	PC4	10	AGOL	American Goldfinch	Spinus tristis	1		X	1			N			1	0-50	S	
RM	2025-05-21	Spring Migration PC	PC4	10	RNDU	Ring-necked Duck	Aythya collaris	9	X			9		Nw						In water near NE edge of lake
RM	2025-05-21	Spring Migration PC	PC4	10	COYE	Common Yellowthroat	Geothlypis trichas	1		X	1			W						
RM	2025-05-21	Spring Migration PC	PC4	10	BLJA	Blue Jay	Cyanocitta cristata	1		X	1			Ne						
RM	2025-05-21	Spring Migration PC	PC4	10	BEKI	Belted Kingfisher	Megaceryle alcyon	1		X		1		Ne						
RM	2025-05-21	Spring Migration PC	PC3	10	Wiwr	Winter Wren	Troglodytes hiemalis	1		X	1			N						
RM	2025-05-21	Spring Migration PC	PC3	10	Nowa	Northern Waterthrush	Parkesia noveboracensis	1		X	1			N						
RM	2025-05-21	Spring Migration PC	PC3	10	Mawa	Magnolia Warbler	Setophaga magnolia	1		X	1			E						
RM	2025-05-21	Spring Migration PC	PC3	10	NOFL	Northern Flicker	Colaptes auratus	1		X			1	Nw						
RM	2025-05-21	Spring Migration PC	PC3	10	Oven	Ovenbird	Seiurus aurocapilla	1		X		1		W						
RM	2025-05-21	Spring Migration PC	PC3	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	2		X		2		Se						
RM	2025-05-21	Spring Migration PC	PC3	10	Deju	Dark-eyed Junco	Junco hyemalis	1		X	1			Nw						
RM	2025-05-21	Spring Migration PC	PC3	10	AGOL	American Goldfinch	Spinus tristis	1	X	X	1			Sw			1	50-100	W	
RM	2025-05-21	Spring Migration PC	PC3	10	Amro	American Robin	Turdus migratorius	1		X		1		Se						
RM	2025-05-21	Spring Migration PC	PC3	10	BHVI	Blue-headed Vireo	Vireo solitarius	1		X	1			Se						
RM	2025-05-21	Spring Migration PC	PC2	10	Mawa	Magnolia Warbler	Setophaga magnolia	1		X	1			N						
RM	2025-05-21	Spring Migration PC	PC2	10	AMCR	American Crow	Corvus brachyrhynchos	1		X		1		Ne						
RM	2025-05-21	Spring Migration PC	PC2	10	Oven	Ovenbird	Seiurus aurocapilla	1		X		1		N						
RM	2025-05-21	Spring Migration PC	PC2	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	1		X	1			N						
RM	2025-05-21	Spring Migration PC	PC2	10	NOFL	Northern Flicker	Colaptes auratus	1		X			1	W						</

Table 2: 2025 Spring Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
RM	2025-05-22	Spring Migration PC	PC35	10	Nawa	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		X	1			Sw						
RM	2025-05-22	Spring Migration PC	PC35	10	Amro	American Robin	<i>Turdus migratorius</i>	1		X		1		N						
RM	2025-05-22	Spring Migration PC	PC35	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1		X	1			Nw						
RM	2025-05-22	Spring Migration PC	PC35	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		X	2			E						
RM	2025-05-22	Spring Migration PC	PC35	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		X		1		E						
RM	2025-05-22	Spring Migration PC	PC35	10	Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X	1			E						
RM	2025-05-22	Spring Migration PC	PC35	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		X	1			Nw						
RM	2025-05-22	Spring Migration PC	PC35	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		X		1		N						
RM	2025-05-22	Spring Migration PC	PC35	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		X			1	E						
RM	2025-05-22	Spring Migration PC	PC34	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	2		X	2			E						
RM	2025-05-22	Spring Migration PC	PC34	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X	1			E						
RM	2025-05-22	Spring Migration PC	PC34	10	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1		X	1			Ne						
RM	2025-05-22	Spring Migration PC	PC34	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		X	2			W						
RM	2025-05-22	Spring Migration PC	PC34	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1		X	1			Nw						
RM	2025-05-22	Spring Migration PC	PC34	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X		1		S						
RM	2025-05-22	Spring Migration PC	PC34	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X	1			E						
RM	2025-05-22	Spring Migration PC	PC34	10	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	1		X			1	E						Drumming
RM	2025-05-22	Spring Migration PC	PC34	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X	1			N						
RM	2025-05-22	Spring Migration PC	PC34	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X	1			W						
RM	2025-05-22	Spring Migration PC	PC34	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		X	1			N						
RM	2025-05-22	Spring Migration PC	PC34	10	WIWR	Winter Wren	<i>Troglodytes hiemalis</i>	1		X		1		N						
RM	2025-05-22	Spring Migration PC	PC34	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X		1		E						
RM	2025-05-22	Spring Migration PC	PC34	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1		X	1			Sw						
RM	2025-05-22	Spring Migration PC	PC34	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	1			E						
RM	2025-05-22	Spring Migration PC	PC34	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		X		1		N						
RM	2025-05-22	Spring Migration PC	PC34	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		X	1			Sw						
RM	2025-05-22	Spring Migration PC	PC34	10	Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X	1			E						
RM	2025-05-22	Spring Migration PC	PC34	10	Gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		X	1			E						
RM	2025-05-22	Spring Migration PC	PC34	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		X	1			W						
RM	2025-05-22	Spring Migration PC	PC34	10	Cogr	Common Grackle	<i>Quiscalus quiscula</i>	1		X	1			W			1	50-100	Sw	
RM	2025-05-22	Spring Migration PC	PC30	10	Nopa	Northern Parula	<i>Setophaga americana</i>	1		X	1			Nw						
RM	2025-05-22	Spring Migration PC	PC30	10	Mawa	Magnolia Warbler	<i>Setophaga magnolia</i>	2		X	2			N						
RM	2025-05-22	Spring Migration PC	PC30	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		X	1	1		N						
RM	2025-05-22	Spring Migration PC	PC30	10	Btnw	Black-throated Green Warbler	<i>Setophaga virens</i>	2		X	2			Nw						
RM	2025-05-22	Spring Migration PC	PC30	10	Oven	Ovenbird	<i>Seiurus aurocapilla</i>	2		X		2		Nw						
RM	2025-05-22	Spring Migration PC	PC30	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		X	1			Ne						
RM	2025-05-22	Spring Migration PC	PC30	10	Baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	1			N						
RM	2025-05-22	Spring Migration PC	PC30	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2		X	2			N			2	50-100	S	
RM	2025-05-22	Spring Migration PC	PC30	10	Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X	1			S						
RM	2025-05-22	Spring Migration PC	PC30	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1		X	1			N						
RM	2025-05-22	Spring Migration PC	PC30	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1		X		1		Sw						
RM	2025-05-22	Spring Migration PC	PC30	10	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1		X		1		E						
RM	2025-05-22	Spring Migration PC	PC33	10	Oven	Ovenbird	<i>Seiurus aurocapilla</i>	2		X		2		N						
RM	2025-05-22	Spring Migration PC	PC33	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	2		X	2			Nw						
RM	2025-05-22	Spring Migration PC	PC33	10	Btnw	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X	1			Ne						
RM	2025-05-22	Spring Migration PC	PC33	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		X		1		E						
RM	2025-05-22	Spring Migration PC	PC33	10	Mawa	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X	1			W						
RM	2025-05-22	Spring Migration PC	PC33	10	Nopa	Northern Parula	<i>Setophaga americana</i>	1		X	1			E						
RM	2025-05-22	Spring Migration PC	PC33	10	Gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		X	1			E						
RM	2025-05-22	Spring Migration PC	PC33	10	Bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		X	2			W						
RM	2025-05-22	Spring Migration PC	PC33	10	Rugr	Ruffed Grouse	<i>Bonasa umbellus</i>	1		X			1	N						
RM	2025-05-22	Spring Migration PC	PC33	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	2		X		2		N						
RM	2025-05-22	Spring Migration PC	PC33	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2		X	2			N						
RM	2025-05-22	Spring Migration PC	PC33	10	CAGO	Canada Goose	<i>Branta canadensis</i>	2		X		2		Ne			2	50-100	Nw	
RM	2025-05-22	Spring Migration PC	PC33	10	YBSA	Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	1		X		1		W						Drum and call
RM	2025-05-22	Spring Migration PC	PC29	10	Cogr	Common Grackle	<i>Quiscalus quiscula</i>	1		X		1		S						
RM	2025-05-22	Spring Migration PC	PC29	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		X	2			N						
RM	2025-05-22	Spring Migration PC	PC29	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		X	2			Sw						

Table 2: 2025 Spring Migration Survey Results - Aulds Cove Wind Project

Project # 24-10440

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
RM	2025-05-22	Spring Migration PC	PC24	10	PUFI	Purple Finch	Haemorhous purpureus	1		X	1			Ne						
RM	2025-05-22	Spring Migration PC	PC24	10	Btnw	Black-throated Green Warbler	Setophaga virens	1		X	1			E						
RM	2025-05-22	Spring Migration PC	PC24	10	BLJA	Blue Jay	Cyanocitta cristata	1		X	1			S						
RM	2025-05-22	Spring Migration PC	PC25	10	Nowa	Northern Waterthrush	Parkesia noveboracensis	2		X	1	1		W						
RM	2025-05-22	Spring Migration PC	PC25	10	YRWA	Yellow-rumped Warbler	Setophaga coronata	2		X	2			W						
RM	2025-05-22	Spring Migration PC	PC25	10	Nopa	Northern Parula	Setophaga americana	1		X	1			Sw						
RM	2025-05-22	Spring Migration PC	PC25	10	Mawa	Magnolia Warbler	Setophaga magnolia	1		X	1			W						
RM	2025-05-22	Spring Migration PC	PC25	10	Amro	American Robin	Turdus migratorius	1		X	1			N						
RM	2025-05-22	Spring Migration PC	PC25	10	SPSA	Spotted Sandpiper	Actitis macularius	3	X	X	3			N						Probable breeding pair
RM	2025-05-22	Spring Migration PC	PC25	10	BHVI	Blue-headed Vireo	Vireo solitarius	1		X	1			W						
RM	2025-05-22	Spring Migration PC	PC25	10	Baww	Black-and-white Warbler	Mniotilta varia	1		X	1			W						
RM	2025-05-22	Spring Migration PC	PC25	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	1		X		1		Ne						
RM	2025-05-22	Spring Migration PC	PC25	10	Rugr	Ruffed Grouse	Bonasa umbellus	1		X			1	Se						Drum
RM	2025-05-22	Spring Migration PC	PC25	10	Deju	Dark-eyed Junco	Junco hyemalis	1		X	1			W						
RM	2025-05-22	Spring Migration PC	PC25	10	AMCR	American Crow	Corvus brachyrhynchos	1		X		1		Nw						
LL	2025-04-15	Spring Migration PC	PC16	10	Sosp	Song Sparrow	Melospiza melodia	1		1	1									S
LL		Spring Migration PC	PC16		Abdu	American Black Duck	Anas rubripes	3	3				3							H
LL		Spring Migration PC	PC16		Bch	Black-capped Chickadee	Poecile atricapillus	2	2		2									H
LL		Spring Migration PC	PC16		Cang	Canada Goose	Canada Goose	2	2		2									P
LL		Spring Migration PC	PC16		Amro	American Robin	Turdus migratorius	1	1		1									
LL		Spring Migration PC	PC16		Amcr	American Crow	Corvus brachyrhynchos	1	1		1									
LL	2025-04-15	Spring Migration PC	PC17	10	Amro	American Robin	Turdus migratorius	210	210		30		180	North				210	North	Major migrant movement
LL		Spring Migration PC	PC17		Amcr	American Crow	Corvus brachyrhynchos	1		1	1									
LL		Spring Migration PC	PC17		Cora	Common Raven	Corvus corax	1		1	1									
LL		Spring Migration PC	PC17		Baea	Bald Eagle	Haliaeetus leucocephalus	1	1			1								
LL	2025-04-15	Spring Migration PC	PC18	10	Pufi	Purple Finch	Haemorhous purpureus	5	1	4	2	3						2	North	Migration activity
LL		Spring Migration PC	PC18		Bch	Black-capped Chickadee	Poecile atricapillus	4	4		4									
LL		Spring Migration PC	PC18		Amro	American Robin	Turdus migratorius	1	1		1									
LL	2025-04-15	Spring Migration PC	PC19	10	Amro	American Robin	Turdus migratorius	12	12		12									
LL		Spring Migration PC	PC19		Pisj	Pine Siskin	Spinus pinus	1		1			1							Presumably migrant
LL		Spring Migration PC	PC19		Cogr	Common Grackle	Quiscalus quiscula	1		1			1							
LL	2025-04-15	Spring Migration PC	PC12	10	Amcr	American Crow	Corvus brachyrhynchos	3	3		3									
LL		Spring Migration PC	PC12		Amro	American Robin	Turdus migratorius	3		3	3									
LL		Spring Migration PC	PC12		Merl	Merlin	Falco columbarius	1		1	1									Equal chance of migrant or returned breeder
LL	2025-04-15	Spring Migration PC	PC13	10	Cora	Common Raven	Corvus corax	3	3			3								
LL		Spring Migration PC	PC13		Rndu	Ring-necked Duck	Aythya collaris	3	3		3									H
LL		Spring Migration PC	PC13		Amro	American Robin	Turdus migratorius	22	19	3	10	12								
LL		Spring Migration PC	PC13		Sosp	Song Sparrow	Melospiza melodia	1		1	1									S
LL		Spring Migration PC	PC13		Amcr	American Crow	Corvus brachyrhynchos	2		2			2							
LL	2025-04-15	Spring Migration PC	PC15	10	Amcr	American Crow	Corvus brachyrhynchos	2	1	1	1	1								
LL		Spring Migration PC	PC15		Cora	Common Raven	Corvus corax	2	2			2								
LL		Spring Migration PC	PC15		Deju	Dark-eyed Junco	Junco hyemalis	5	3	2	5									
LL		Spring Migration PC	PC15		Gcki	Golden-crowned Kinglet	Regulus satrapa	2		2	5									S
LL		Spring Migration PC	PC15		Brcr	Brown Creeper	Certhia americana	1		1		1								S
LL	2025-04-15	Spring Migration PC	PC20	10	SOSP	Song Sparrow	Melospiza melodia	2		2	1	1								S
LL		Spring Migration PC	PC20		PUFI	Purple Finch	Haemorhous purpureus	4	4		4									Migrants
LL		Spring Migration PC	PC20		AMRO	American Robin	Turdus migratorius	1	1		1									
LL		Spring Migration PC	PC20		BAEA	Bald Eagle	Haliaeetus leucocephalus	1	1			1								
LL	2025-04-15	Spring Migration PC	PC22	10	BCCH	Black-capped Chickadee	Poecile atricapillus	2		2	1									
LL		Spring Migration PC	PC22		RUGR	Ruffed Grouse	Bonasa umbellus	1		1	1									
LL		Spring Migration PC	PC22		DEJU	Dark-eyed Junco	Junco hyemalis	1		1		1								
LL	2025-04-15	Spring Migration PC	PC21	10	BRCR	Brown Creeper	Certhia americana	1		1	1									
LL		Spring Migration PC	PC21		Bch	Black-capped Chickadee	Poecile atricapillus	1		1	1									
LL		Spring Migration PC	PC21		Amro	American Robin	Turdus migratorius	2	2		2									
LL	2025-04-15	Spring Migration PC	PC23	10	Baea	Bald Eagle	Haliaeetus leucocephalus	4	4		4									
LL		Spring Migration PC	PC23		Gcki	Golden-crowned Kinglet	Regulus satrapa	1		1	1									
LL		Spring Migration PC	PC23		HAWO	Hairy Woodpecker	Dryobates villosus	1		1	1									
LL		Spring Migration PC	PC23		Cora	Common Raven	Corvus corax	2	2			2								
LL		Spring Migration PC	PC23		Amcr	American Crow	Corvus brachyrhynchos	2		2	2									
LL	2025-04-16	Spring Migration PC	PC37	10	Recr	Red Crossbill	Loxia curvirostra	1		1			1	NE				1	Northeast	Flying over, uncertain if migratory
LL		Spring Migration PC	PC37		Cogr	Common Grackle	Quiscalus quiscula	2		2		2								
LL		Spring Migration PC	PC37		Colo	Common Loon	Gavia immer	1		1			1							H
LL		Spring Migration PC	PC37		Amro	American Robin	Turdus migratorius	4		4		4								
LL		Spring Migration PC	PC37		HAWO	Hairy Woodpecker	Dryobates villosus	1		1		1								
LL		Spring Migration PC	PC37		Bch	Black-capped Chickadee	Poecile atricapillus	1		1		1								
LL		Spring Migration PC	PC37		Pawa	Palm Warbler	Setophaga palmarum	1		1		1								S, Immediately returned bird, singing on territory
LL		Spring Migration PC	PC37		Rwbl	Red-winged Blackbird	Agelaius phoeniceus	1	1		1			N				1	North	
LL		Spring Migration PC	PC37		Pufi	Purple Finch	Haemorhous purpureus	1		1		1						1	North	Very high migrant flying directly north
LL		Spring Migration PC	PC37		Cang	Canada Goose		1		1	1									M?
LL		Spring Migration PC	PC37		Bch	Boreal Chickadee	Poecile hudsonicus	1		1	1									
LL	2025-04-16	Spring Migration PC	PC38	10	Gcki	Golden-crowned Kinglet	Regulus satrapa	1		1	1									
LL		Spring Migration PC	PC38		Amro	American Robin	Turdus migratorius	1		1	1									
LL		Spring Migration PC	PC38		HAWO	Hairy Woodpecker	Dryobates villosus	2		2	2				Y					P, Pair looking to be together for breeding presumably
LL		Spring Migration PC	PC38		Amcr	American Crow	Corvus brachyrhynchos	1		1	1									
LL		Spring Migration PC	PC38		Pufi	Purple Finch	Haemorhous purpureus	1		1		1								
LL		Spring Migration PC	PC38		Sosp	Song Sparrow	Melospiza melodia	4	2	2	2	2								S
LL	2025-04-16	Spring Migration PC	PC41	10	Caja	Canada Jay	Perisoreus canadensis	4	4		4	2								H
LL		Spring Migration PC	PC41		Amro	American Robin	Turdus migratorius	2		2	2									
LL		Spring Migration PC	PC41		Cogr	Common Grackle	Quiscalus quiscula	1		1	1									
LL		Spring Migration PC	PC41		Gcki	Golden-crowned Kinglet	Regulus satrapa	1		1		1								
LL		Spring Migration PC	PC41		NOFL	Northern Flicker	Colaptes auratus	1	1		1									S
LL		Spring Migration PC	PC41		Deju	Dark-eyed Junco	Junco hyemalis	1		1		1								H
LL		Spring Migration PC	PC41		Mall	Mallard	Anas platyrhynchos	1	1		1									
LL	2025-04-16	Spring Migration PC	PC42	10	Deju	Dark-eyed Junco	Junco hyemalis	1		1		1								
LL		Spring Migration PC	PC42		Colo	Common Loon	Gavia immer	1		1			1							H
LL		Spring Migration PC	PC42		Cora	Common Raven	Corvus corax	1	1		1									
LL		Spring Migration PC	PC42		Amro	American Robin	Turdus migratorius	2		2		2								
LL		Spring Migration PC	PC42		Amcr	American Crow	Corvus brachyrhynchos	1		1		1								
LL		Spring Migration PC	PC42		Pufi	Purple Finch	Haemorhous purpureus	1		1	1									
LL		Spring Migration PC	PC42		PAWA	Palm Warbler	Setophaga palmarum	1		1	1			North				1	North	Migrating overhead calling
LL	2025-04-16	Spring Migration PC	PC43	10	Sosp	Song Sparrow	Melospiza melodia	1		1			1							S
LL		Spring Migration PC	PC43		Cogr	Common Grackle	Quiscalus quiscula	7	7			5	2							
LL		Spring Migration PC	PC43		Amro	American Robin	Turdus migratorius	5	4	1		5								

Table 2: 2025 Spring Migration Survey Results - Aulds Cove Wind Project

Project # 24-10440

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
LL		Spring Migration PC	PC43		HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1		1			1							
LL		Spring Migration PC	PC43		NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		1			1							
LL		Spring Migration PC	PC43		PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1	1				1							
LL		Spring Migration PC	PC43		Beki	Belted Kingfisher	<i>Megaceryle alcyon</i>	1		1			1							
LL		Spring Migration PC	PC43		Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	1		1			1							
LL		Spring Migration PC	PC43		Baea	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1	1				1							
LL		Spring Migration PC	PC43		Rndu	Ring-necked Duck	<i>Aythya collaris</i>	3		3		3								H
LL	2025-04-16	Spring Migration PC	PC44	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	4	4		4									H
LL		Spring Migration PC	PC44		AMRO	American Robin	<i>Turdus migratorius</i>	3	3		3									
LL		Spring Migration PC	PC44		GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2		2	2									
LL		Spring Migration PC	PC44		CANG	Canada Goose		2		2			2							
LL	2025-04-16	Spring Migration PC	PC47	10	Baea	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1	1			1								
LL		Spring Migration PC	PC47		Cora	Common Raven	<i>Corvus corax</i>	2	2			2								
LL		Spring Migration PC	PC47		Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	1		1	1									
LL		Spring Migration PC	PC47		Gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		1	1									
LL		Spring Migration PC	PC47		Amcr	American Crow	<i>Corvus brachyrhynchos</i>	2		2	2									
LL	2025-04-16	Spring Migration PC	PC48	10	Abdu	American Black Duck	<i>Anas rubripes</i>	2	2		2									
LL		Spring Migration PC	PC48		Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	2		2	2									
LL		Spring Migration PC	PC48		Bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	2	2		2									
LL		Spring Migration PC	PC48		Amro	American Robin	<i>Turdus migratorius</i>	2	2		2									
LL		Spring Migration PC	PC48		Amcr	American Crow	<i>Corvus brachyrhynchos</i>	2		2	2									
LL		Spring Migration PC	PC48		Cora	Common Raven	<i>Corvus corax</i>	1		1		1								
LL	2025-04-16	Spring Migration PC	PC46	10	Caja	Canada Jay	<i>Perisoreus canadensis</i>	1		1		1								
LL		Spring Migration PC	PC46		Home	Hooded Merganser	<i>Lophodytes cucullatus</i>	2	2		2									P
LL		Spring Migration PC	PC46		Pufi	Purple Finch	<i>Haemorhous purpureus</i>	2		2	2									
LL		Spring Migration PC	PC46		Amro	American Robin	<i>Turdus migratorius</i>	1		1	1									
LL		Spring Migration PC	PC46		Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	4		4	4									
LL		Spring Migration PC	PC46		Gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	4	4		4									
LL		Spring Migration PC	PC46		Bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	6	6		6									
LL	2025-04-16	Spring Migration PC	PC45	10	Gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	3		3	3									
LL		Spring Migration PC	PC45		PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1		1	1									
LL	2025-04-16	Spring Migration PC	PC39	10	Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	1		1	1									
LL		Spring Migration PC	PC40	10	Cora	Common Raven	<i>Corvus corax</i>	1	1		1									
LL		Spring Migration PC	PC40		Baea	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1	1			1								
LL		Spring Migration PC	PC40		Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	1		1		1								S
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Cago	Canada Goose	<i>Branta canadensis</i>	3	X		X			W						Atleast 3 calling in far distance
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	AGOL	American Goldfinch	<i>Spinus tristis</i>	3		X	X			W						
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	rbme	Red-breasted Merganser	<i>Mergus serrator</i>	2	X		X			E						Pair, Foraging
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Baea	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1	X		1		X	Se						On CB side. Approx 100m above ridge line.
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Gbbg	Great Black-backed Gull	<i>Larus marinus</i>	E	3				3	N						
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Gull spp	#N/A	#N/A	28	X				X	N						To far to possitively identify.
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Home	Hooded Merganser	<i>Lophodytes cucullatus</i>	6	X				X	N						Foraging
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Abdu	American Black Duck	<i>Anas rubripes</i>	2	X			X		C			2	S-w	0-50m	Flyover
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Rbme	Red-breasted Merganser	<i>Mergus serrator</i>	9	X				X	SE						Group foraging
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Rbme	Red-breasted Merganser	<i>Mergus serrator</i>	2	X			X		N						Male and female foraging
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	CAGO	Canada Goose	<i>Branta canadensis</i>	2	X		X			W						Foraging. Same group as previous time slot.
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Rbme	Red-breasted Merganser	<i>Mergus serrator</i>	9	X				X	SE						Foraging. Same group as previous time slot.
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Gbbg	Great Black-backed Gull	<i>Larus marinus</i>	2	X				X	N						
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Home	Hooded Merganser	<i>Lophodytes cucullatus</i>	6	X				X	N						Foraging. Same group as previous time slot.
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	AHGU	American Herring Gull	<i>Larus smithsonianus</i>	3	X				X	SE				N-S, 1S-N		
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	RBME	Red-breasted Merganser	<i>Mergus serrator</i>	2	X				X	SE						Foraging. Same group as previous time slot.
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Home	Hooded Merganser	<i>Lophodytes cucullatus</i>	6	X				X	NE						Foraging. Same group as previous time slot.
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Gull spp	#N/A	#N/A	25	X				X							Foraging. Same group as previous time slot.
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	AHGU	American Herring Gull	<i>Larus smithsonianus</i>	1	X					E	S to n					
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Rbme	Red-breasted Merganser	<i>Mergus serrator</i>	4	X				X	Se						
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Rbme	Red-breasted Merganser	<i>Mergus serrator</i>	19	X				X	Se						3 males 1 female
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Ahgu	American Herring Gull	<i>Larus smithsonianus</i>	1	X				X	Se						
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Cago	Canada Goose	<i>Branta canadensis</i>	8	X		X			E						
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	gull sp	#N/A	#N/A	21	X					Ne						Foraging. Same group as previous time slot.
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	RBME	Red-breasted Merganser	<i>Mergus serrator</i>	5	X				X	SW						
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Herg	American Herring Gull	<i>Larus smithsonianus</i>	1	X				X	N						
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	Rbme	Red-breasted Merganser	<i>Mergus serrator</i>	1	X				X	SW						W to E
BF	2025-03-26	Spring Migration Diurnal Watch Count	DWC1	30	COGO	Common Goldeneye	<i>Bucephala clangula</i>	7	X				X	SW						Foraging in pond area.
BF	2025-03-28	Spring Migration Diurnal Watch Count	DWC3	30	Cago	Canada Goose	<i>Branta canadensis</i>	2		X			X	SE						DWC3. Overcast and wind gentle breeze with moderate breeze gust.
BF	2025-03-28	Spring Migration Diurnal Watch Count	DWC3	30	Cago	Canada Goose	<i>Branta canadensis</i>	3		X			X	W						
BF	2025-03-28	Spring Migration Diurnal Watch Count	DWC3	30	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	3	X	X		X		W						
BF	2025-03-28	Spring Migration Diurnal Watch Count	DWC3	30	Dowo	Dowry Woodpecker	<i>Picoides pubescens</i>	1		X		X		W						
BF	2025-03-28	Spring Migration Diurnal Watch Count	DWC3	30	Cora	Common Raven	<i>Corvus corax</i>	1		X			X	N						
BF	2025-03-28	Spring Migration Diurnal Watch Count	DWC3	30	Baea	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1	X		X			C			Y	0-50	S to N	0-50 flew over lake.
BF	2025-03-28	Spring Migration Diurnal Watch Count	DWC3	30	AMcr	American Crow	<i>Corvus brachyrhynchos</i>	6	X	X			2	NE2, SW1						
BF	2025-03-28	Spring Migration Diurnal Watch Count	DWC3	30	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		X		X	X	SW						
BF	2025-03-28	Spring Migration Diurnal Watch Count	DWC3	30	Abdu	American Black Duck	<i>Anas rubripes</i>	2	X								Y	0-51	Saw to NW	0-50 flyin over lake. Landed a swam out of sight.
BF	2025-03-28	Spring Migration Diurnal Watch Count	DWC3	30	Baea	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1	X				X	S			Y	50-100	NE to SW	50-100m height over lake.
BF	2025-03-28	Spring Migration Diurnal Watch Count	DWC3	30	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	2		X			X	Sw						DWC: overcasted changed to sun and cloud.
BF	2025-03-28	Spring Migration Diurnal Watch Count	DWC3	30	Cora	Common Raven	<i>Corvus corax</i>	1		X			X	Sw						
BF	2025-03-28	Spring Migration Diurnal Watch Count	DWC3	30	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	1	X	X			X	Sw						
BF	2025-03-28	Spring Migration Diurnal Watch Count	DWC3	30	Cago	Canada Goose	<i>Branta canadensis</i>	4		X			X	SW						At least four heard calling during flight. Unable to pinpoint direction of travel. Over 1km away.
BF	2025-03-28	Spring Migration Diurnal Watch Count	DWC3	30	CAGO	Canada Goose	<i>Branta canadensis</i>	2	X			X		SW						MBBA code P. Flew in from western portion of lake where there is no visibility. Skimming water during flight.
BF	2025-04-02	Spring Migration Diurnal Watch Count	DWC2	30	Abdu	American Black Duck	<i>Anas rubripes</i>	2	X		X			W						MBBA Code H
BF	2025-04-02	Spring Migration Diurnal Watch Count	DWC2	30	Rndu	Ring-necked Duck	<i>Aythya collaris</i>	4	X				X	Nw						MBBA Code H
BF	2025-04-02	Spring Migration Diurnal Watch Count	DWC2	30	Cago	Canada Goose	<i>Branta canadensis</i>	2	X		X			W						MBBA Code H
BF	2025-04-02	Spring Migration Diurnal Watch Count	DWC2	30	Baea	Bald Eagle	<i>Haliaeetus leucocephalus</i>	2	X				X	Nw			X			
BF	2025-04-02	Spring Migration Diurnal Watch Count	DWC2	30	Cora	Common Raven	<i>Corvus corax</i>	2	X				X	NW						
BF	2025-04-02	Spring Migration Diurnal Watch Count	DWC2	30	Amro	American Robin	<i>Turdus migratorius</i>	1		X			X	NW						
BF	2025-04-02	Spring Migration Diurnal Watch Count	DWC2	30	Rndu	Ring-necked Duck	<i>Aythya collaris</i>	4	X				X	NW						MBBA Code H, Same group recorded in previous 30 minute time slot.
BF	2025-04-02	Spring Migration Diurnal Watch Count	DWC2	30	Home	Hooded Merganser	<i>Lophodytes cucullatus</i>	1	X				X	NW						MBBA Code H, Same group recorded in previous 30 minute time slot.

Table 2: 2025 Spring Migration Survey Results - Aulds Cove Wind Project

Project # 24-10440

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
BF	2025-04-02	Spring Migration Diurnal Watch Count	DWC2	30	Rndu	Ring-necked Duck	<i>Aythya collaris</i>	4	X				X	NW						MBBA Code H, Same group recorded in previous 30 minute time slot.
BF	2025-04-02	Spring Migration Diurnal Watch Count	DWC2	30	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	1		X			X	NW						
BF	2025-04-02	Spring Migration Diurnal Watch Count	DWC2	30	Home	Hooded Merganser	<i>Lophodytes cucullatus</i>	1	X				X	NW						MBBA Code H, Same group recorded in previous 30 minute time slot.
BF	2025-04-02	Spring Migration Diurnal Watch Count	DWC2	30	Rndu	Ring-necked Duck	<i>Aythya collaris</i>	4	X				X	NW						MBBA Code H, Same group recorded in previous 30 minute time slot.
BF	2025-04-02	Spring Migration Diurnal Watch Count	DWC2	30	Abdu	American Black Duck	<i>Anas rubripes</i>	2	X				X	S						MBBA Code H, Same group recorded in previous 30 minute time slot.
BF	2025-04-03	Spring Migration Diurnal Watch Count	DWC4	30	Cora	Common Raven	<i>Corvus corax</i>	1		X			X	NW						
BF	2025-04-03	Spring Migration Diurnal Watch Count	DWC4	30	Baea	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1	X				X	NW					200m+	X, 200m height, soaring/circling
BF	2025-04-03	Spring Migration Diurnal Watch Count	DWC4	30	Baea	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1	X				X	NW			X	SE o NW	100-150	X, Flying SE to NW at approx 100-150m elevation
BF	2025-04-03	Spring Migration Diurnal Watch Count	DWC4	30	No birds	#N/A	#N/A													
BF	2025-04-03	Spring Migration Diurnal Watch Count	DWC4	30	No birds	#N/A	#N/A													
BF	2025-04-03	Spring Migration Diurnal Watch Count	DWC4	30	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	1		X			X	SW						
BF	2025-04-16	Spring Migration Diurnal Watch Count	DWC2	30	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1	X		X			E						
BF	2025-04-16	Spring Migration Diurnal Watch Count	DWC2	30	COLO	Common Loon	<i>Gavia immer</i>	1	X				X	W						
BF	2025-04-16	Spring Migration Diurnal Watch Count	DWC2	30	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	2	X								Y	150+	SW to NE	Migratory
BF	2025-04-16	Spring Migration Diurnal Watch Count	DWC2	30	HOME	Hooded Merganser	<i>Lophodytes cucullatus</i>	2	X				X	SW						P
BF	2025-04-16	Spring Migration Diurnal Watch Count	DWC2	30	COGR	Common Grackle	<i>Quiscalus quiscula</i>	3	X			X		W						
BF	2025-04-16	Spring Migration Diurnal Watch Count	DWC2	30	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1		X		X		W						
BF	2025-04-16	Spring Migration Diurnal Watch Count	DWC2	30	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1		X			X	SE						
BF	2025-04-16	Spring Migration Diurnal Watch Count	DWC2	30	AMRO	American Robin	<i>Turdus migratorius</i>	1	X		X			SW						
BF	2025-04-16	Spring Migration Diurnal Watch Count	DWC2	30	COLO	Common Loon	<i>Gavia immer</i>	1	X				X	SW						Same as previous time slot.
BF	2025-04-16	Spring Migration Diurnal Watch Count	DWC2	30	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1	X								Y	150+	S to NW	Migratory
BF	2025-04-16	Spring Migration Diurnal Watch Count	DWC2	30	CORA	Common Raven	<i>Corvus corax</i>	1	X								Y	50-100	NE to SW	Migratory
BF	2025-04-16	Spring Migration Diurnal Watch Count	DWC2	30	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	2	X								Y	100-150	NE to SW	Migratory
BF	2025-04-16	Spring Migration Diurnal Watch Count	DWC2	30	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1	X								Y	100-150	SE to NW	Migratory
BF	2025-04-17	Spring Migration Diurnal Watch Count	DWC4	30	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1	X								Y	100-150	SE to NW	Migratory
BF	2025-04-17	Spring Migration Diurnal Watch Count	DWC4	30	No Birds	#N/A	#N/A													
BF	2025-04-17	Spring Migration Diurnal Watch Count	DWC4	30	CORA	Common Raven	<i>Corvus corax</i>	1	X								Y	0-50	SE to NW	
BF	2025-04-17	Spring Migration Diurnal Watch Count	DWC4	30	COLO	Common Loon	<i>Gavia immer</i>	1		X			X	NW						
BF	2025-04-17	Spring Migration Diurnal Watch Count	DWC4	30	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1	X								Y	100-150	SW to NE	Migratory
BF	2025-04-17	Spring Migration Diurnal Watch Count	DWC4	30	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1	X	X							Y	0-50	SW to NE	Migratory
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	COGR	Common Grackle	<i>Quiscalus quiscula</i>	10	X		10			NW, SE, N	X					All moving between wetlands bordering the lake
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	CORA	Common Raven	<i>Corvus corax</i>	1	X				1	W						Being mobbed by two AMCR
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	4	X				4	W, NW, SW						Mobbing CORA
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	ABDU	American Black Duck	<i>Anas rubripes</i>	1	X		1			SE						
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	BEKI	Belted Kingfisher	<i>Megaceryle alcyon</i>	1	X				1	E	X					
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	AGOL	American Goldfinch	<i>Spinus tristis</i>	1	X			1		E						
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	TRES	Tree Swallow	<i>Tachycineta bicolor</i>	1	X		1			SW	X					
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	AGOL	American Goldfinch	<i>Spinus tristis</i>	4	X								X	E, NE, SW	50	
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	BEKI	Belted Kingfisher	<i>Megaceryle alcyon</i>	2	X	X		2			X					Female and male flying together, and then perched together and called back and forth.
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1	X		1									
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1	X				1							
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	CAGO	Canada Goose	<i>Branta canadensis</i>	1	X				1							
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X		1								
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1	X		1									
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	COGR	Common Grackle	<i>Quiscalus quiscula</i>	4	X		4			NW	X					
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	NOPA	Northern Parula	<i>Setophaga americana</i>	1		X			1							
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		X			1							
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	AMRO	American Robin	<i>Turdus migratorius</i>	1		X	1									
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	RWBL	Red-winged Blackbird	<i>Agelaius phoeniceus</i>	1	X			1		W	X					
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X		1								
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	AMRO	American Robin	<i>Turdus migratorius</i>	1	X								X	SW	50	
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	RBNU	Red-breasted Nuthatch	<i>Sitta canadensis</i>	1		X			1							
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1	X			1								
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1	X				1	SW						Adult soaring over lake, moved towards turbines.
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	120	RTHA	Red-tailed Hawk	<i>Buteo jamaicensis</i>	2	X				2	SW						Two adults performing courtship display by mirroring each others flight pattern and soaring close together. Soaring near existing turbines across the lake.
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	2	X	X	2			W	X					
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1	X								X	W	50	
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	10	ABDU	American Black Duck	<i>Anas rubripes</i>	1	X		1			SW						Same individual as earlier during DWC. Flew from previous spot on lake to sit directly in front of DWC.
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	10	COLO	Common Loon	<i>Gavia immer</i>	1		X			1	NW						Heard singing.
SC	2025-05-21	Spring Migration Diurnal Watch Count	DWC2	10	MALL	Mallard	<i>Anas platyrhynchos</i>	1	X								X	SE	50	
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	CORA	Common Raven	<i>Corvus corax</i>	2	X				2	NE						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X		1								
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	AMRE	American Redstart	<i>Setophaga ruticilla</i>	2	X	X	2			N, E						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X		1								
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	AGOL	American Goldfinch	<i>Spinus tristis</i>	2	X	X	1			W			X	75	S	
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	2		X	1			W						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	2	X				2	E, NNW						Adult soaring well-over 100 m away from point (possibly 1 km), circling slowly roughly 100-200 m in air. Another immature individual (still all brown plumage) soaring at about 100 m height and 100 m away from point.
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1	X		1			E						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	1			W						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X	1			W						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		X			1	NE						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	COLO	Common Loon	<i>Gavia immer</i>	1		X			1	SW						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X			1	SW						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X			1	SW						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	2		X	1		1	NE, S						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		X	1			N						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X		1		NE						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		X			1	SW						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	CORA	Common Raven	<i>Corvus corax</i>	1	X	X		1		NE						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	AMRO	American Robin	<i>Turdus migratorius</i>	1		X		1		NE						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X	1			SW						

Table 2: 2025 Spring Migration Survey Results - Aulds Cove Wind Project

Project # 24-10440

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	CORA	Common Raven	<i>Corvus corax</i>	1		X			1	E						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		X		1		N						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	2		X	2			N, NE						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	2		X		2		N, NE						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		X	1			E						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X	1			N						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X	1			E						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	AMRO	American Robin	<i>Turdus migratorius</i>	1		X			1	NE						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X			1	SE						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	AGOL	American Goldfinch	<i>Spinus tristis</i>	3		X							3	75	E, SW	
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1	X				1	SW						Likely same adult as before has reappeared to the SW. Still soaring in wide, slow circles.
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X	1			N						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1	X	X	1			SE						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X		1		SW						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X	1			W						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	AMRO	American Robin	<i>Turdus migratorius</i>	1		X		1		W						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X			1	SE						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	CORA	Common Raven	<i>Corvus corax</i>	1		X			1	S						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X			1	NW						
SC	2025-05-22	Spring Migration Diurnal Watch Count	DWC4	120	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	2	X				2	NW						Two adults circling together well over 100 m in air and roughly 500 m from point.
RM	2025-05-21	Spring Migration Diurnal Watch Count	DWC1	120	CAGO	Canada Goose	<i>Branta canadensis</i>	7	X			7		S						Confirmed breeding: parents and 5 fresh goslings
RM	2025-05-21	Spring Migration Diurnal Watch Count	DWC1	120	DCCO	Double-crested Cormorant	<i>Nannopterum auritum</i>	1	X		1			Ne			1	0-50	N	
RM	2025-05-21	Spring Migration Diurnal Watch Count	DWC1	120	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	40	X		40			Sw			40	50-100	E	Large flock of blue jays
RM	2025-05-21	Spring Migration Diurnal Watch Count	DWC1	120	DCCO	Double-crested Cormorant	<i>Nannopterum auritum</i>	2	X				1	E			1	50-100	E	
RM	2025-05-21	Spring Migration Diurnal Watch Count	DWC1	120	Gull sp.	Gull sp.	#N/A	1	X				1	E			1	100+	Sw	
RM	2025-05-21	Spring Migration Diurnal Watch Count	DWC1	120	GBBG	Great Black-backed Gull	<i>Larus marinus</i>	1	X				1	Ne			1	0-50	E	Following lobster boat
RM	2025-05-21	Spring Migration Diurnal Watch Count	DWC1	120	DCCO	Double-crested Cormorant	<i>Nannopterum auritum</i>	2	X				2	Se			2	100+	Se	Flying high over transmission line
RM	2025-05-21	Spring Migration Diurnal Watch Count	DWC1	120	DCCO	Double-crested Cormorant	<i>Nannopterum auritum</i>	1	X		1			N						Swimming / diving
RM	2025-05-21	Spring Migration Diurnal Watch Count	DWC1	120	Gull sp.	#N/A	#N/A	1	X				1	N			1	50-100	E	Following coast on opposite side of the strait
RM	2025-05-21	Spring Migration Diurnal Watch Count	DWC1	120	AHGU	American Herring Gull	<i>Larus smithsonianus</i>	2	X	X			2	E						
RM	2025-05-22	Spring Migration Diurnal Watch Count	DWC3	120	TRES	Tree Swallow	<i>Tachycineta bicolor</i>	1	X	X	1			Nw						Foraging over lake
RM	2025-05-22	Spring Migration Diurnal Watch Count	DWC3	120	CAGO	Canada Goose	<i>Branta canadensis</i>	2		X				N						
RM	2025-05-22	Spring Migration Diurnal Watch Count	DWC3	120	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1	X	X			1	Ne			1	50-100	E	
RM	2025-05-22	Spring Migration Diurnal Watch Count	DWC3	120	SPSA	Spotted Sandpiper	<i>Actitis macularius</i>	2	X	X	2			W						Probable breeding pair
RM	2025-05-22	Spring Migration Diurnal Watch Count	DWC3	120	COGR	Common Grackle	<i>Quiscalus quiscula</i>	2	X	X			2	Ne						
RM	2025-05-22	Spring Migration Diurnal Watch Count	DWC3	120	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1	X				1	Ne			1	100+	Ne	
RM	2025-05-22	Spring Migration Diurnal Watch Count	DWC3	120	TRES	Tree Swallow	<i>Tachycineta bicolor</i>	1	X		1			N			1	0-50	N	
RM	2025-05-22	Spring Migration Diurnal Watch Count	DWC3	120	COLO	Common Loon	<i>Gavia immer</i>	2	X				2	Ne						Pair of adults in breeding plumage on lake - probable breeding pair
RM	2025-05-22	Spring Migration Diurnal Watch Count	DWC3	120	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	2	X		2			N						Pair of juveniles circling over lake
RM	2025-05-22	Spring Migration Diurnal Watch Count	DWC3	120	SPSA	Spotted Sandpiper	<i>Actitis macularius</i>	2	X	X	2			E						Same pair
RM	2025-05-22	Spring Migration Diurnal Watch Count	DWC3	120	CORA	Common Raven	<i>Corvus corax</i>	1	X		1			E						
RM	2025-05-22	Spring Migration Diurnal Watch Count	DWC3	120	ABDU	American Black Duck	<i>Anas rubripes</i>	6	X		6			E						Confirmed breeding, mother with ducklings
LL	2025-04-15	Spring Migration Diurnal Watch Count	DWC1	30	COEI	Common Eider	<i>Somateria mollissima</i>	4	4				4	E						
LL	2025-04-15	Spring Migration Diurnal Watch Count	DWC1		COGO	Common Goldeneye	<i>Bucephala clangula</i>	14	14				14	W						Group with RBME in Archie's Pond
LL	2025-04-15	Spring Migration Diurnal Watch Count	DWC1		RBME	Red-breasted Merganser	<i>Mergus serrator</i>	5	5			3	2	W, E						
LL	2025-04-15	Spring Migration Diurnal Watch Count	DWC1		AHGU	American Herring Gull	<i>Larus smithsonianus</i>	30	30		22	2	6	W, E						
LL	2025-04-15	Spring Migration Diurnal Watch Count	DWC1		GBBG	Great Black-backed Gull	<i>Larus marinus</i>	4	4		4			E						
LL	2025-04-15	Spring Migration Diurnal Watch Count	DWC1		COLO	Common Loon	<i>Gavia immer</i>	2	2			2		E						
LL	2025-04-15	Spring Migration Diurnal Watch Count	DWC1		NOGA	Northern Gannet	<i>Morus bassanus</i>	3	3			1	2	N						Recently returned, probably migrants
LL	2025-04-15	Spring Migration Diurnal Watch Count	DWC1		DCCO	Double-crested Cormorant	<i>Nannopterum auritum</i>	2	2		1	1		E				2	N	
LL	2025-04-15	Spring Migration Diurnal Watch Count	DWC1		BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	2	2			1	1	E						
LL	2025-04-15	Spring Migration Diurnal Watch Count	DWC1	30	RBME	Red-breasted Merganser	<i>Mergus serrator</i>	2	2				2	N						
LL	2025-04-15	Spring Migration Diurnal Watch Count	DWC1		AHGU	American Herring Gull	<i>Larus smithsonianus</i>	12	12		8	4		E						
LL	2025-04-15	Spring Migration Diurnal Watch Count	DWC1		GBBG	Great Black-backed Gull	<i>Larus marinus</i>	8	8			8		E						
LL	2025-04-15	Spring Migration Diurnal Watch Count	DWC1		NOGA	Northern Gannet	<i>Morus bassanus</i>	2	2				2	N						
LL	2025-04-15	Spring Migration Diurnal Watch Count	DWC1		DCCO	Double-crested Cormorant	<i>Nannopterum auritum</i>	3												

Table 2: 2025 Spring Migration Survey Results - Aulds Cove Wind Project

Project # 24-10440

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
LL	2025-04-16	Spring Migration Diurnal Watch Count	DWC4		COLO	Common Loon	<i>Gavia immer</i>	2	2			2		SE						P
LL	2025-04-16	Spring Migration Diurnal Watch Count	DWC4		SSHA	Sharp-shinned Hawk	<i>Accipiter striatus</i>	1	1				1	SW				1	NE	Migrant most likely

Table 3: 2025 Spring Migration Survey Results Summary - Aulds Cove Wind Project

Project #24-10440

Common Name	Scientific Name	COSEWIC	SARA	ESA	ACCDC S-Rank	Count
American Black Duck	<i>Anas rubripes</i>	Not Listed	Not Listed	Not Listed	S5B,S5N	33
American Crow	<i>Corvus brachyrhynchos</i>	Not Listed	Not Listed	Not Listed	S5	118
American Goldfinch	<i>Spinus tristis</i>	Not Listed	Not Listed	Not Listed	S5	56
American Herring Gull	<i>Larus argentatus</i>	Not Listed	Not Listed	Not Listed	S5	83
American Redstart	<i>Setophaga ruticilla</i>	Not Listed	Not Listed	Not Listed	S5B	10
American Robin	<i>Turdus migratorius</i>	Not Listed	Not Listed	Not Listed	S5B,S3N	439
American Woodcock	<i>Scolopax minor</i>	Not Listed	Not Listed	Not Listed	S5B	1
Bald Eagle	<i>Haliaeetus leucocephalus</i>	Not at Risk	Not Listed	Not Listed	S5	52
Bay-breasted Warbler	<i>Setophaga castanea</i>	Not Listed	Not Listed	Not Listed	S3S4B,S4S5M	1
Belted Kingfisher	<i>Megasceryle alcyon</i>	Not Listed	Not Listed	Not Listed	S4S5B	11
Black Scoter	<i>Melanitta americana</i>	Not Listed	Not Listed	Not Listed	S4N	2
Black-and-white Warbler	<i>Mniotilta varia</i>	Not Listed	Not Listed	Not Listed	S5B	39
Blackburnian Warbler	<i>Setophaga fusca</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	1
Black-capped Chickadee	<i>Poecile atricapillus</i>	Not Listed	Not Listed	Not Listed	S5	105
Blackpoll Warbler	<i>Setophaga striata</i>	Not Listed	Not Listed	Not Listed	S3B,S5M	2
Black-throated Blue Warbler	<i>Setophaga caerulescens</i>	Not Listed	Not Listed	Not Listed	S5B	1
Black-throated Green Warbler	<i>Setophaga virens</i>	Not Listed	Not Listed	Not Listed	S5B	42
Blue Jay	<i>Cyanocitta cristata</i>	Not Listed	Not Listed	Not Listed	S5	68
Blue-headed Vireo	<i>Vireo solitarius</i>	Not Listed	Not Listed	Not Listed	S5B	37
Boreal Chickadee	<i>Poecile hudsonicus</i>	Not Listed	Not Listed	Not Listed	S3	6
Brown Creeper	<i>Certhia americana</i>	Not Listed	Not Listed	Not Listed	S5	4
Canada Goose	<i>Branta canadensis</i>	Not Listed	Not Listed	Not Listed	SUB,S4N,S5M	123
Canada Jay	<i>Perisoreus canadensis</i>	Not Listed	Not Listed	Not Listed	S3	7
Chipping Sparrow	<i>Spizella passerina</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	1
Common Eider	<i>Somateria mollissima</i>	Not Listed	Not Listed	Not Listed	S2B,S2N,S4M	5
Common Goldeneye	<i>Bucephala clangula</i>	Not Listed	Not Listed	Not Listed	S4B,S4N,S5M	37
Common Grackle	<i>Quiscalus quiscula</i>	Not Listed	Not Listed	Not Listed	S5B	87
Common Loon	<i>Gavia immer</i>	Not at Risk	Not Listed	Not Listed	S4B	36
Common Merganser	<i>Mergus merganser</i>	Not Listed	Not Listed	Not Listed	S5B,S4N	3
Common Raven	<i>Corvus corax</i>	Not Listed	Not Listed	Not Listed	S5	51
Common Yellowthroat	<i>Geothlypis trichas</i>	Not Listed	Not Listed	Not Listed	S5B	38
Dark-eyed Junco	<i>Junco hyemalis</i>	Not Listed	Not Listed	Not Listed	S4S5	111
Double-crested Cormorant	<i>Nannopterum auritum</i>	Not at Risk	Not Listed	Not Listed	S5B	29
Downy Woodpecker	<i>Dryobates pubescens</i>	Not Listed	Not Listed	Not Listed	S5	12
Evening Grosbeak	<i>Coccothraustes vespertinus</i>	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	3
Golden-crowned Kinglet	<i>Regulus satrapa</i>	Not Listed	Not Listed	Not Listed	S5	76
Grey Catbird	<i>Dumetella carolinensis</i>	Not Listed	Not Listed	Not Listed	S4B	1
Great Black-backed Gull	<i>Larus marinus</i>	Not Listed	Not Listed	Not Listed	S4S5	17
Hairy Woodpecker	<i>Dryobates villosus</i>	Not Listed	Not Listed	Not Listed	S5	24
Hermit Thrush	<i>Catharus guttatus</i>	Not Listed	Not Listed	Not Listed	S5B	31
Hooded Merganser	<i>Lophodytes cucullatus</i>	Not Listed	Not Listed	Not Listed	S4S5B,S5M	38
Magnolia Warbler	<i>Setophaga magnolia</i>	Not Listed	Not Listed	Not Listed	S5B	34

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Project #24-10440

Common Name	Scientific Name	COSEWIC	SARA	ESA	ACCDC S-Rank	Count
Mallard	<i>Anas platyrhynchos</i>	Not Listed	Not Listed	Not Listed	S5B,S5N	4
Merlin	<i>Falco columbarius</i>	Not at Risk	Not Listed	Not Listed	S5B	1
Mourning Dove	<i>Zenaida macroura</i>	Not Listed	Not Listed	Not Listed	S5	1
Nashville Warbler	<i>Leiothlypis ruficapilla</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	9
Northern Cardinal	<i>Cardinalis cardinalis</i>	Not Listed	Not Listed	Not Listed	S4	2
Northern Flicker	<i>Colaptes auratus</i>	Not Listed	Not Listed	Not Listed	S5B	28
Northern Gannet	<i>Morus bassanus</i>	Not Listed	Not Listed	Not Listed	SHB	10
Northern Parula	<i>Setophaga americana</i>	Not Listed	Not Listed	Not Listed	S5B	19
Northern Waterthrush	<i>Parkesia noveboracensis</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	4
Ovenbird	<i>Seiurus aurocapilla</i>	Not Listed	Not Listed	Not Listed	S5B	60
Palm Warbler	<i>Setophaga palmarum</i>	Not Listed	Not Listed	Not Listed	S5B	12
Pileated Woodpecker	<i>Dryocopus pileatus</i>	Not Listed	Not Listed	Not Listed	S5	19
Pine Siskin	<i>Spinus pinus</i>	Not Listed	Not Listed	Not Listed	S3	2
Purple Finch	<i>Haemorhous purpureus</i>	Not Listed	Not Listed	Not Listed	S4S5B,S3S4N,S5M	34
Red Crossbill	<i>Loxia curvirostra</i>	Not Listed	Not Listed	Not Listed	S3S4	1
Red-breasted Merganser	<i>Mergus serrator</i>	Not Listed	Not Listed	Not Listed	S3B,S4S5N,S5M	63
Red-breasted Nuthatch	<i>Sitta canadensis</i>	Not Listed	Not Listed	Not Listed	S4S5	5
Red-eyed Vireo	<i>Vireo olivaceus</i>	Not Listed	Not Listed	Not Listed	S5B	2
Red-tailed Hawk	<i>Buteo jamaicensis</i>	Not at Risk	Not Listed	Not Listed	S5	3
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	Not Listed	Not Listed	Not Listed	S4B	15
Ring-necked Duck	<i>Aythya collaris</i>	Not Listed	Not Listed	Not Listed	S5B	76
Ruby-crowned Kinglet	<i>Corthylio calendula</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	15
Ruffed Grouse	<i>Bonasa umbellus</i>	Not Listed	Not Listed	Not Listed	S5	11
Sharp-shinned Hawk	<i>Accipiter striatus</i>	Not at Risk	Not Listed	Not Listed	S5	1
Song Sparrow	<i>Melospiza melodia</i>	Not Listed	Not Listed	Not Listed	S5B	38
Sora	<i>Porzana carolina</i>	Not Listed	Not Listed	Not Listed	S5B	1
Spotted Sandpiper	<i>Actitis macularius</i>	Not Listed	Not Listed	Not Listed	S3S4B,S5M	8
Spruce Grouse	<i>Canachites canadensis</i>	Not Listed	Not Listed	Not Listed	S4	3
Surf Scoter	<i>Melanitta perspicillata</i>	Not Listed	Not Listed	Not Listed	S2N,S4M	16
Swainson's Thrush	<i>Catharus ustulatus</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	8
Swamp Sparrow	<i>Melospiza georgiana</i>	Not Listed	Not Listed	Not Listed	S5B	7
Tree Swallow	<i>Tachycineta bicolor</i>	Not Listed	Not Listed	Not Listed	S4B	3
White-breasted Nuthatch	<i>Sitta carolinensis</i>	Not Listed	Not Listed	Not Listed	S4	1
White-throated Sparrow	<i>Zonotrichia albicollis</i>	Not Listed	Not Listed	Not Listed	S4S5B,S5M	60
White-winged Crossbill	<i>Loxia leucoptera</i>	Not Listed	Not Listed	Not Listed	S4S5	1
Winter Wren	<i>Troglodytes hiemalis</i>	Not Listed	Not Listed	Not Listed	S5B	13
Yellow Warbler	<i>Setophaga petechia</i>	Not Listed	Not Listed	Not Listed	S5B	1
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	Not Listed	Not Listed	Not Listed	S5B	4
Yellow-rumped Warbler	<i>Setophaga coronata</i>	Not Listed	Not Listed	Not Listed	S5B	18
Unknown Gull	N/A	N/A	N/A	N/A	N/A	75
Unknown Waterfowl	N/A	N/A	N/A	N/A	N/A	8
Unknown Passerine	N/A	N/A	N/A	N/A	N/A	6

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
LL	2025-07-03	Breeding Bird	PC16	10	EWPE	Eastern Wood-Pewee	Contopus virens	1		1			1		Y					
LL	2025-07-03	Breeding Bird	PC16	10	YEWB	Yellow Warbler	Setophaga petechia	2	1	1	2									
LL	2025-07-03	Breeding Bird	PC16	10	OVEN	Ovenbird	Seiurus aurocapilla	2		2	1	1								
LL	2025-07-03	Breeding Bird	PC16	10	BTNW	Black-throated Green Warbler	Setophaga virens	1		1		1								
LL	2025-07-03	Breeding Bird	PC16	10	CEDW	Cedar Waxwing	Bombycilla cedrorum	1		1	1									
LL	2025-07-03	Breeding Bird	PC16	10	AMCR	American Crow	Corvus brachyrhynchos	1		1	1									
LL	2025-07-03	Breeding Bird	PC16	10	AMRO	American Robin	Turdus migratorius	1	1		1									
LL	2025-07-03	Breeding Bird	PC16	10	SOSP	Song Sparrow	Melospiza melodia	3		3		3								
LL	2025-07-03	Breeding Bird	PC16	10	HETH	Hermit Thrush	Catharus guttatus	1		1		1								
LL	2025-07-03	Breeding Bird	PC16	10	REVI	Red-eyed Vireo	Vireo olivaceus	2		2	1	1								
LL	2025-07-03	Breeding Bird	PC16	10	BHVI	Blue-headed Vireo	Vireo solitarius	1		1		1								
LL	2025-07-03	Breeding Bird	PC16	10	MAWA	Magnolia Warbler	Setophaga magnolia	3		3	1	1	1							
LL	2025-07-03	Breeding Bird	PC16	10	OSFL	Olive-sided Flycatcher	Contopus cooperi	1		1		1			Y					
LL	2025-07-03	Breeding Bird	PC16	10	TRES	Tree Swallow	Tachycineta bicolor	1	1		1									
LL	2025-07-03	Breeding Bird	PC16	10	NOPA	Northern Parula	Setophaga americana	2		2		2								
LL	2025-07-03	Breeding Bird	PC16	10	AMRE	American Redstart	Setophaga ruticilla	2		2	1	1								
LL	2025-07-03	Breeding Bird	PC16	10	YRWA	Yellow-rumped Warbler	Setophaga coronata	1		1		1								
LL	2025-07-03	Breeding Bird	PC16	10	COYE	Common Yellowthroat	Geothlypis trichas	3		1		1								
LL	2025-07-03	Breeding Bird	PC16	10	BEKI	Belted Kingfisher	Megasceryle alcyon	1	1		1									
LL	2025-07-03	Breeding Bird	PC16	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	1		1	1									
LL	2025-07-03	Breeding Bird	PC16	10	RWBL	Red-winged Blackbird	Agelaius phoeniceus	2	1	1	1	1								
LL	2025-07-03	Breeding Bird	PC16	10	SWTH	Swainson's Thrush	Catharus ustulatus	1		1		1								
LL	2025-07-03	Breeding Bird	PC16	10	GCKI	Golden-crowned Kinglet	Regulus satrapa	1		1	1									
LL	2025-07-03	Breeding Bird	PC19	10	OVEN	Ovenbird	Seiurus aurocapilla	1		1	1									
LL	2025-07-03	Breeding Bird	PC19	10	BLJA	Blue Jay	Cyanocitta cristata	1		1	1									
LL	2025-07-03	Breeding Bird	PC19	10	BTNW	Black-throated Green Warbler	Setophaga virens	1		1	1									
LL	2025-07-03	Breeding Bird	PC19	10	BAWW	Black-and-white Warbler	Mniotilta varia	2	1	1	2									
LL	2025-07-03	Breeding Bird	PC19	10	BCCH	Black-capped Chickadee	Poecile atricapillus	1		1	1									
LL	2025-07-03	Breeding Bird	PC19	10	REVI	Red-eyed Vireo	Vireo olivaceus	4	1	3	3	1								
LL	2025-07-03	Breeding Bird	PC19	10	AMCR	American Crow	Corvus brachyrhynchos	1		1		1								
LL	2025-07-03	Breeding Bird	PC19	10	HETH	Hermit Thrush	Catharus guttatus	1		1		1								
LL	2025-07-03	Breeding Bird	PC19	10	AMRO	American Robin	Turdus migratorius	1		1										
LL	2025-07-03	Breeding Bird	PC19	10	BLBW	Blackburnian Warbler	Setophaga fusca	2		2	1	1								
LL	2025-07-03	Breeding Bird	PC19	10	NOPA	Northern Parula	Setophaga americana	1		1	1									
LL	2025-07-03	Breeding Bird	PC18	10	BTNW	Black-throated Green Warbler	Setophaga virens	1		1		1								
LL	2025-07-03	Breeding Bird	PC18	10	OVEN	Ovenbird	Seiurus aurocapilla	1		1	1									
LL	2025-07-03	Breeding Bird	PC18	10	REVI	Red-eyed Vireo	Vireo olivaceus	1		1	1									
LL	2025-07-03	Breeding Bird	PC18	10	AMCR	American Crow	Corvus brachyrhynchos	1		1	1									
LL	2025-07-03	Breeding Bird	PC18	10	AMRO	American Robin	Turdus migratorius	1		1	1									
LL	2025-07-03	Breeding Bird	PC18	10	BAWW	Black-and-white Warbler	Mniotilta varia	1		1	1									
LL	2025-07-03	Breeding Bird	PC18	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	1		1	1									
LL	2025-07-03	Breeding Bird	PC18	10	CEDW	Cedar Waxwing	Bombycilla cedrorum	1		1	1									
LL	2025-07-03	Breeding Bird	PC12	10	OVEN	Ovenbird	Seiurus aurocapilla	2	2		2									
LL	2025-07-03	Breeding Bird	PC12	10	REVI	Red-eyed Vireo	Vireo olivaceus	3		3	3									
LL	2025-07-03	Breeding Bird	PC12	10	MAWA	Magnolia Warbler	Setophaga magnolia	1		1	1									
LL	2025-07-03	Breeding Bird	PC12	10	YRWA	Yellow-rumped Warbler	Setophaga coronata	1		1	1									
LL	2025-07-03	Breeding Bird	PC12	10	HETH	Hermit Thrush	Catharus guttatus	2		2	2									
LL	2025-07-03	Breeding Bird	PC12	10	BLBW	Blackburnian Warbler	Setophaga fusca	2		2	2									
LL	2025-07-03	Breeding Bird	PC12	10	BTNW	Black-throated Green Warbler	Setophaga virens	1		1	1									
LL	2025-07-03	Breeding Bird	PC12	10	RBNB	Red-breasted Nuthatch	Sitta canadensis	1		1	1									
LL	2025-07-03	Breeding Bird	PC12	10	AMRO	American Robin	Turdus migratorius	1		1	1									
LL	2025-07-03	Breeding Bird	PC13	10	NAWA	Nashville Warbler	Leiostyris albidicapilla	1		1		1								
LL	2025-07-03	Breeding Bird	PC13	10	NOPA	Northern Parula	Setophaga americana	1		1		1								
LL	2025-07-03	Breeding Bird	PC13	10	AMRE	American Redstart	Setophaga ruticilla	1		1	1									
LL	2025-07-03	Breeding Bird	PC13	10	AMRO	American Robin	Turdus migratorius	1		1	1									
LL	2025-07-03	Breeding Bird	PC13	10	HETH	Hermit Thrush	Catharus guttatus	1		1		1								
LL	2025-07-03	Breeding Bird	PC13	10	GCKI	Golden-crowned Kinglet	Regulus satrapa	1		1	1									
LL	2025-07-03	Breeding Bird	PC13	10	SOSP	Song Sparrow	Melospiza melodia	1	1		1									
LL	2025-07-03	Breeding Bird	PC13	10	SWTH	Swainson's Thrush	Catharus ustulatus	1		1		1								
LL	2025-07-03	Breeding Bird	PC13	10	YRWA	Yellow-rumped Warbler	Setophaga coronata	1		1		1								
LL	2025-07-03	Breeding Bird	PC13	10	RCKI	Ruby-crowned Kinglet	Corthylio calendula	1		1	1									
LL	2025-07-03	Breeding Bird	PC13	10	RNDU	Ring-necked Duck	Aythya collaris	3	3		3									
LL	2025-07-03	Breeding Bird	PC13	10	MAWA	Magnolia Warbler	Setophaga magnolia	1		1	1									
LL	2025-07-03	Breeding Bird	PC13	10	COYE	Common Yellowthroat	Geothlypis trichas	1		1	1									
LL	2025-07-03	Breeding Bird	PC13	10	NOWA	Northern Waterthrush	Parkesia noveboracensis	1	1		1									
LL	2025-07-03	Breeding Bird	PC13	10	PAWA	Palm Warbler	Setophaga palmarum	1		1		1								
LL	2025-07-03	Breeding Bird	PC13	10	OVEN	Ovenbird	Seiurus aurocapilla	2		2	1	1								
LL	2025-07-03	Breeding Bird	PC13	10	BTNW	Black-throated Green Warbler	Setophaga virens	1		1		1								
LL	2025-07-03	Breeding Bird	PC13	10	BLBW	Blackburnian Warbler	Setophaga fusca	1		1			1							
LL	2025-07-03	Breeding Bird	PC13	10	PUFI	Purple Finch	Haemorhous purpureus	1		1		1								
LL	2025-07-03	Breeding Bird	PC13	10	SPSA	Spotted Sandpiper	Actitis macularius	1		1			1							
LL	2025-07-03	Breeding Bird	PC13	10	DEJU	Dark-eyed Junco	Junco hyemalis	1		1	1									
LL	2025-07-03	Breeding Bird	PC15	10	NAWA	Nashville Warbler	Leiostyris albidicapilla	1		1	1									
LL	2025-07-03	Breeding Bird	PC15	10	BTNW	Black-throated Green Warbler	Setophaga virens	1		1	1									
LL	2025-07-03	Breeding Bird	PC15	10	CEDW	Cedar Waxwing	Bombycilla cedrorum	2	2		2									
LL	2025-07-03	Breeding Bird	PC15	10	AMRO	American Robin	Turdus migratorius	2	1	1	2									
LL	2025-07-03	Breeding Bird	PC15	10	NOPA	Northern Parula	Setophaga americana	2		2	1	1								
LL	2025-07-03	Breeding Bird	PC15	10	AMRE	American Redstart	Setophaga ruticilla	1		1	1									
LL	2025-07-03	Breeding Bird	PC15	10	DEJU	Dark-eyed Junco	Junco hyemalis	2		2		2								
LL	2025-07-03	Breeding Bird	PC15	10	YRWA	Yellow-rumped Warbler	Setophaga coronata	1		1		1								
LL	2025-07-03	Breeding Bird	PC15	10	AMCR	American Crow	Corvus brachyrhynchos	1	1		1									
LL	2025-07-03	Breeding Bird	PC15	10	PAWA	Palm Warbler	Setophaga palmarum	1		1		1								
LL	2025-07-03	Breeding Bird	PC15	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	2		2		2								
LL	2025-07-03	Breeding Bird	PC15	10	AGOL	American Goldfinch	Spinus tristis	1	1		1									

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
LL	2025-07-03	Breeding Bird	PC15	10	PUFI	Purple Finch	Haemorhous purpureus	1		1		1								
LL	2025-07-03	Breeding Bird	PC15	10	SWTH	Swainson's Thrush	Catharus ustulatus	4		4	2	2								
LL	2025-07-03	Breeding Bird	PC15	10	HETH	Hermit Thrush	Catharus guttatus	2		2		2								
LL	2025-07-03	Breeding Bird	PC15	10	VEER	Veery	Catharus fuscescens	1		1		1								
LL	2025-07-03	Breeding Bird	PC15	10	EWPE	Eastern Wood-Pewee	Contopus virens	1		1			1							
LL	2025-07-03	Breeding Bird	PC20	10	SWTH	Swainson's Thrush	Catharus ustulatus	1		1	1									
LL	2025-07-03	Breeding Bird	PC20	10	HETH	Hermit Thrush	Catharus guttatus	1		1	1									
LL	2025-07-03	Breeding Bird	PC20	10	REVI	Red-eyed Vireo	Vireo olivaceus	3		3	2	1								
LL	2025-07-03	Breeding Bird	PC20	10	MOWA	Mourning Warbler	Geothlypis philadelphia	2		2	2									
LL	2025-07-03	Breeding Bird	PC20	10	COYE	Common Yellowthroat	Geothlypis trichas	1	1		1									
LL	2025-07-03	Breeding Bird	PC20	10	DEJU	Dark-eyed Junco	Junco hyemalis	1		1	1									
LL	2025-07-03	Breeding Bird	PC20	10	CSWA	Chestnut-sided Warbler	Setophaga pensylvanica	1		1		1								
LL	2025-07-03	Breeding Bird	PC20	10	RTHU	Ruby-throated Hummingbird	Archilochus colubris	1		1	1									
LL	2025-07-03	Breeding Bird	PC20	10	NOPA	Northern Parula	Setophaga americana	1		1	1									
LL	2025-07-03	Breeding Bird	PC20	10	NOFL	Northern Flicker	Colaptes auratus	2	2		2									
LL	2025-07-03	Breeding Bird	PC20	10	LEFL	Least Flycatcher	Empidonax minimus	2		2	2									
LL	2025-07-03	Breeding Bird	PC20	10	AMRO	American Robin	Turdus migratorius	1		1	1									
LL	2025-07-03	Breeding Bird	PC20	10	CEDW	Cedar Waxwing	Bombycilla cedrorum	2	2		2									
LL	2025-07-03	Breeding Bird	PC20	10	AMRE	American Redstart	Setophaga ruticilla	3		3	1	2								
LL	2025-07-03	Breeding Bird	PC20	10	SOSP	Song Sparrow	Melospiza melodia	1		1	1									
LL	2025-07-03	Breeding Bird	PC20	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	1		1		1								
LL	2025-07-03	Breeding Bird	PC22	10	DEJU	Dark-eyed Junco	Junco hyemalis	1		1	1									
LL	2025-07-03	Breeding Bird	PC22	10	MAWA	Magnolia Warbler	Setophaga magnolia	2		2	1	1								
LL	2025-07-03	Breeding Bird	PC22	10	GCKI	Golden-crowned Kinglet	Regulus satrapa	2		2	2									
LL	2025-07-03	Breeding Bird	PC22	10	PIWO	Pileated Woodpecker	Dryocopus pileatus	1		1	1									
LL	2025-07-03	Breeding Bird	PC22	10	CSWA	Chestnut-sided Warbler	Setophaga pensylvanica	1		1			1							
LL	2025-07-03	Breeding Bird	PC22	10	PUFI	Purple Finch	Haemorhous purpureus	1		1	1									
LL	2025-07-03	Breeding Bird	PC22	10	HETH	Hermit Thrush	Catharus guttatus	1		1		1								
LL	2025-07-03	Breeding Bird	PC22	10	HAWO	Hairy Woodpecker	Dryobates villosus	1		1	1									
LL	2025-07-03	Breeding Bird	PC22	10	BHVI	Blue-headed Vireo	Vireo solitarius	1		1	1									
LL	2025-07-03	Breeding Bird	PC22	10	SWTH	Swainson's Thrush	Catharus ustulatus	1		1	1									
LL	2025-07-03	Breeding Bird	PC22	10	COYE	Common Yellowthroat	Geothlypis trichas	1		1	1									
LL	2025-07-03	Breeding Bird	PC22	10	NAWA	Nashville Warbler	Leiothlypis ruficapilla	1		1	1									
LL	2025-07-03	Breeding Bird	PC22	10	OVEN	Ovenbird	Seiurus aurocapilla	1		1	1									
LL	2025-07-03	Breeding Bird	PC22	10	SOSP	Song Sparrow	Melospiza melodia	1		1	1									
LL	2025-07-03	Breeding Bird	PC22	10	NOFL	Northern Flicker	Colaptes auratus	1		1	1									
LL	2025-07-03	Breeding Bird	PC22	10	BRCR	Brown Creeper	Certhia americana	1		1	1									
LL	2025-07-03	Breeding Bird	PC22	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	1	1		1									
LL	2025-07-03	Breeding Bird	PC21	10	BHVI	Blue-headed Vireo	Vireo solitarius	1		1	1									
LL	2025-07-03	Breeding Bird	PC21	10	OVEN	Ovenbird	Seiurus aurocapilla	4	2	2	4									
LL	2025-07-03	Breeding Bird	PC21	10	COYE	Common Yellowthroat	Geothlypis trichas	1		1	1									
LL	2025-07-03	Breeding Bird	PC21	10	AMRO	American Robin	Turdus migratorius	1		1	1									
LL	2025-07-03	Breeding Bird	PC21	10	BTNW	Black-throated Green Warbler	Setophaga virens	1		1										
LL	2025-07-03	Breeding Bird	PC21	10	BAWW	Black-and-white Warbler	Mniotilta varia	1		1	1									
LL	2025-07-03	Breeding Bird	PC21	10	BCCH	Black-capped Chickadee	Poecile atricapillus	1		1	1									
LL	2025-07-03	Breeding Bird	PC21	10	HETH	Hermit Thrush	Catharus guttatus	4		4	2	2								
LL	2025-07-03	Breeding Bird	PC21	10	NOPA	Northern Parula	Setophaga americana	1		1		1								
LL	2025-07-03	Breeding Bird	PC21	10	CSWA	Chestnut-sided Warbler	Setophaga pensylvanica	1		1		1								
LL	2025-07-03	Breeding Bird	PC21	10	SWSP	Swamp Sparrow	Melospiza georgiana	1		1	1									
LL	2025-07-03	Breeding Bird	PC21	10	CORA	Common Raven	Corvus corax	1	1		1									
LL	2025-07-03	Breeding Bird	PC21	10	SWTH	Swainson's Thrush	Catharus ustulatus	1		1		1								
LL	2025-07-03	Breeding Bird	PC21	10	REVI	Red-eyed Vireo	Vireo olivaceus	1		1	1									
LL	2025-07-03	Breeding Bird	PC23	10	AMRO	American Robin	Turdus migratorius	3		3	1	2								
LL	2025-07-03	Breeding Bird	PC23	10	HETH	Hermit Thrush	Catharus guttatus	1		1		1								
LL	2025-07-03	Breeding Bird	PC23	10	BCCH	Black-capped Chickadee	Poecile atricapillus	2		2	2									
LL	2025-07-03	Breeding Bird	PC23	10	RBNU	Red-breasted Nuthatch	Sitta canadensis	1		1	1									
LL	2025-07-03	Breeding Bird	PC23	10	SOSP	Song Sparrow	Melospiza melodia	1		1	1									
LL	2025-07-03	Breeding Bird	PC23	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	2		2	1	1								
LL	2025-07-03	Breeding Bird	PC23	10	OSFL	Olive-sided Flycatcher	Contopus cooperi	1		1		1			Y					
LL	2025-07-03	Breeding Bird	PC23	10	EWPE	Eastern Wood-Pewee	Contopus virens	1		1		1			Y					
LL	2025-07-03	Breeding Bird	PC23	10	LEFL	Least Flycatcher	Empidonax minimus	1		1	1									
LL	2025-07-03	Breeding Bird	PC23	10	RWBL	Red-winged Blackbird	Agelaius phoeniceus	1		1	1									
LL	2025-07-03	Breeding Bird	PC23	10	MAWA	Magnolia Warbler	Setophaga magnolia	2		2		2								
LL	2025-07-03	Breeding Bird	PC23	10	BTNW	Black-throated Green Warbler	Setophaga virens	1		1		1								
LL	2025-07-03	Breeding Bird	PC23	10	BAWW	Black-and-white Warbler	Mniotilta varia	1		1		1								
LL	2025-07-03	Breeding Bird	PC23	10	NOFL	Northern Flicker	Colaptes auratus	1		1	1									
LL	2025-07-03	Breeding Bird	PC23	10	HAWO	Hairy Woodpecker	Dryobates villosus	1		1		1								
LL	2025-07-03	Breeding Bird	PC23	10	YBSA	Yellow-bellied Sapsucker	Sphyrapicus varius	1		1	1									
LL	2025-07-03	Breeding Bird	PC23	10	NOWA	Northern Waterthrush	Parkesia noveboracensis	1		1	1									
LL	2025-07-03	Breeding Bird	PC23	10	OVEN	Ovenbird	Seiurus aurocapilla	1		1	1									
LL	2025-07-03	Breeding Bird	PC23	10	GCKI	Golden-crowned Kinglet	Regulus satrapa	2		2	2									
LL	2025-07-03	Breeding Bird	PC23	10	COYE	Common Yellowthroat	Geothlypis trichas	2		2	2									
LL	2025-07-03	Breeding Bird	PC23	10	BOCH	Boreal Chickadee	Poecile hudsonicus	1		1	1									
LL	2025-07-03	Breeding Bird	PC23	10	HOME	Hooded Merganser	Lophodytes cucullatus	1	1		1									
LL	2025-07-03	Breeding Bird	PC23	10	NOPA	Northern Parula	Setophaga americana	1		1		1								
LL	2025-07-03	Breeding Bird	PC23	10	BHVI	Blue-headed Vireo	Vireo solitarius	1		1		1								
LL	2025-07-04	Breeding Bird	PC24	10	SOSP	Song Sparrow	Melospiza melodia	1		1	1									
LL	2025-07-04	Breeding Bird	PC24	10	COYE	Common Yellowthroat	Geothlypis trichas	1		1	1									
LL	2025-07-04	Breeding Bird	PC24	10	BAWW	Black-and-white Warbler	Mniotilta varia	1		1	1									
LL	2025-07-04	Breeding Bird	PC24	10	AMRE	American Redstart	Setophaga ruticilla	1		1	1									
LL	2025-07-04	Breeding Bird	PC24	10	NOPA	Northern Parula	Setophaga americana	1		1	1									
LL	2025-07-04	Breeding Bird	PC24	10	REVI	Red-eyed Vireo	Vireo olivaceus	3		3	1	2								
LL	2025-07-04	Breeding Bird	PC24	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	2		2	2									
LL	2025-07-04	Breeding Bird	PC24	10	HETH	Hermit Thrush	Catharus guttatus	2		2	1	1								

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
LL	2025-07-04	Breeding Bird	PC24	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		1		1								
LL	2025-07-04	Breeding Bird	PC24	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	5	5		5									
LL	2025-07-04	Breeding Bird	PC24	10	BLBW	Blackburnian Warbler	<i>Setophaga fusca</i>	1	1	1	1									
LL	2025-07-04	Breeding Bird	PC24	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	2		2	2									
LL	2025-07-04	Breeding Bird	PC24	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC24	10	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC24	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC24	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC25	10	CORA	Common Raven	<i>Corvus corax</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC25	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	4	4		4									
LL	2025-07-04	Breeding Bird	PC25	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC25	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	3		3	2	1								
LL	2025-07-04	Breeding Bird	PC25	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC25	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC25	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC25	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		1		1								
LL	2025-07-04	Breeding Bird	PC25	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2		2	2									
LL	2025-07-04	Breeding Bird	PC25	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		2	2									
LL	2025-07-04	Breeding Bird	PC25	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC25	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC25	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC25	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC25	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		1		1								
LL	2025-07-04	Breeding Bird	PC25	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1			1									
LL	2025-07-04	Breeding Bird	PC25	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC26	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	3		3	2	1								
LL	2025-07-04	Breeding Bird	PC26	10	NAWA	Nashville Warbler	<i>Leiothlypis rufigapilla</i>	2		2	2									
LL	2025-07-04	Breeding Bird	PC26	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	2		2	1	1								
LL	2025-07-04	Breeding Bird	PC26	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	3		3	2	1								
LL	2025-07-04	Breeding Bird	PC26	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		1		1								
LL	2025-07-04	Breeding Bird	PC26	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	4		4	2	2								
LL	2025-07-04	Breeding Bird	PC26	10	CHSP	Chipping Sparrow	<i>Spizella passerina</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC26	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	2		2	1	1								
LL	2025-07-04	Breeding Bird	PC26	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	3		3	2	1								
LL	2025-07-04	Breeding Bird	PC26	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2		2								
LL	2025-07-04	Breeding Bird	PC26	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC26	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC26	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1	1		1									
LL	2025-07-04	Breeding Bird	PC26	10	BOCH	Boreal Chickadee	<i>Poecile hudsonicus</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC26	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC27	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	3		3	2	1								
LL	2025-07-04	Breeding Bird	PC27	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	2		2	1	1								
LL	2025-07-04	Breeding Bird	PC27	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	2		2		2								
LL	2025-07-04	Breeding Bird	PC27	10	NAWA	Nashville Warbler	<i>Leiothlypis rufigapilla</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC27	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		2	2									
LL	2025-07-04	Breeding Bird	PC27	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	2		2		2								
LL	2025-07-04	Breeding Bird	PC27	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2		2								
LL	2025-07-04	Breeding Bird	PC27	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2		2	1	1								
LL	2025-07-04	Breeding Bird	PC27	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC27	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC27	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2		2	2									
LL	2025-07-04	Breeding Bird	PC33	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC33	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		1		1								
LL	2025-07-04	Breeding Bird	PC33	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	2		2		2								
LL	2025-07-04	Breeding Bird	PC33	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	2		2		2								
LL	2025-07-04	Breeding Bird	PC33	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	2	1	1	2									
LL	2025-07-04	Breeding Bird	PC33	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC33	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC33	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	2		2	2									
LL	2025-07-04	Breeding Bird	PC33	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		1		1								
LL	2025-07-04	Breeding Bird	PC33	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		1		1								
LL	2025-07-04	Breeding Bird	PC33	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC33	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		2	2									
LL	2025-07-04	Breeding Bird	PC33	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		1		1								
LL	2025-07-04	Breeding Bird	PC29	10	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1		1		1			N					
LL	2025-07-04	Breeding Bird	PC29	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	6		6	2	2	2							
LL	2025-07-04	Breeding Bird	PC29	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	6		6	6									
LL	2025-07-04	Breeding Bird	PC29	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	2		2	1	1								
LL	2025-07-04	Breeding Bird	PC29	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		1		1								
LL	2025-07-04	Breeding Bird	PC29	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	2		2	1	1								
LL	2025-07-04	Breeding Bird	PC29	10	AMRO	American Robin	<i>Turdus migratorius</i>	2		2		2								
LL	2025-07-04	Breeding Bird	PC29	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC29	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	3		3	1	1	1							
LL	2025-07-04	Breeding Bird	PC29	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC29	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC29	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	3		3	2	1								
LL	2025-07-04	Breeding Bird	PC29	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC30	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC30	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	3		3	2	1								
LL	2025-07-04	Breeding Bird	PC30	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC30	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC30	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2		2	2									
LL	2025-07-04	Breeding Bird	PC30	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC30	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1		1	1									

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
LL	2025-07-04	Breeding Bird	PC30	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1		1		1								
LL	2025-07-04	Breeding Bird	PC30	10	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		1		1								
LL	2025-07-04	Breeding Bird	PC30	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	2		2	1	1								
LL	2025-07-04	Breeding Bird	PC30	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		1			1							
LL	2025-07-04	Breeding Bird	PC30	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	3	3		3									
LL	2025-07-04	Breeding Bird	PC30	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC34	10	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1		1	1				Y					
LL	2025-07-04	Breeding Bird	PC34	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		2	2									
LL	2025-07-04	Breeding Bird	PC34	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	3		3	2	1								
LL	2025-07-04	Breeding Bird	PC34	10	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		1		1								
LL	2025-07-04	Breeding Bird	PC34	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		1		1								
LL	2025-07-04	Breeding Bird	PC34	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC34	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC34	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		1		1								
LL	2025-07-04	Breeding Bird	PC34	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC40	10	OSFL	Olive-sided Flycatcher	<i>Contopus cooperi</i>	1		1		1			Y					
LL	2025-07-04	Breeding Bird	PC40	10	SPSA	Spotted Sandpiper	<i>Actitis macularius</i>	1		1			1							
LL	2025-07-04	Breeding Bird	PC40	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC40	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	3		3	1	2								
LL	2025-07-04	Breeding Bird	PC40	10	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		1		1								
LL	2025-07-04	Breeding Bird	PC40	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC40	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		1										
LL	2025-07-04	Breeding Bird	PC40	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2	1		1							
LL	2025-07-04	Breeding Bird	PC40	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	2		2		2								
LL	2025-07-04	Breeding Bird	PC40	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		1			1							
LL	2025-07-04	Breeding Bird	PC40	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		1		1								
LL	2025-07-04	Breeding Bird	PC40	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		1	1									
LL	2025-07-04	Breeding Bird	PC40	10	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC37	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1	1		1									
LL	2025-06-05	Breeding Bird	PC37	10	BBWA	Bay-breasted Warbler	<i>Setophaga castanea</i>	1	1		1									
LL	2025-06-05	Breeding Bird	PC37	10	NOPA	Northern Parula	<i>Setophaga americana</i>	2	1	1	2									
LL	2025-06-05	Breeding Bird	PC37	10	Osfl	Olive-sided Flycatcher	<i>Contopus cooperi</i>	1		1			1	E	No					S, Singing at a distance, not clear in what exact habitat
LL	2025-06-05	Breeding Bird	PC37	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC37	10	Colo	Common Loon	<i>Gavia immer</i>	1	1		1									
LL	2025-06-05	Breeding Bird	PC37	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC37	10	Yrwa	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC37	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC37	10	Oven	Ovenbird	<i>Seiurus aurocapilla</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC38	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	2	1	1	2									
LL	2025-06-05	Breeding Bird	PC38	10	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	3	1		1									
LL	2025-06-05	Breeding Bird	PC38	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1	1		1									
LL	2025-06-05	Breeding Bird	PC38	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	2	2		2									
LL	2025-06-05	Breeding Bird	PC38	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC38	10	AMRO	American Robin	<i>Turdus migratorius</i>	2		2	1	1								
LL	2025-06-05	Breeding Bird	PC38	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC38	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC38	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	2		2	2									
LL	2025-06-05	Breeding Bird	PC38	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	2	1	1	2									
LL	2025-06-05	Breeding Bird	PC38	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC38	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC38	10	OSFL	Olive-sided Flycatcher	<i>Contopus cooperi</i>	1	1		1			S	Yes					A, Singing, with agitation, wing flicking
LL	2025-06-05	Breeding Bird	PC38	10	RNDU	Ring-necked Duck	<i>Aythya collaris</i>	2	2		2									
LL	2025-06-05	Breeding Bird	PC38	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC38	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC38	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC42	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC42	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC42	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	2		2	1	1								
LL	2025-06-05	Breeding Bird	PC42	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC42	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC42	10	CORA	Common Raven	<i>Corvus corax</i>	1	1			1								
LL	2025-06-05	Breeding Bird	PC42	10	AMRO	American Robin	<i>Turdus migratorius</i>	2		2	1	1								
LL	2025-06-05	Breeding Bird	PC42	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC42	10	WIWR	Winter Wren	<i>Troglodytes hiemalis</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC42	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2	2		2									
LL	2025-06-05	Breeding Bird	PC42	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	2	1	1	2									
LL	2025-06-05	Breeding Bird	PC41	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC41	10	Baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC41	10	Alfl	Alder Flycatcher	<i>Empidonax alnorum</i>	2	1	1	1	1	1							
LL	2025-06-05	Breeding Bird	PC41	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		2	2									
LL	2025-06-05	Breeding Bird	PC41	10	Sosp	Song Sparrow	<i>Melospiza melodia</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC41	10	Spsa	Spotted Sandpiper	<i>Actitis macularius</i>	1		1										
LL	2025-06-05	Breeding Bird	PC41	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1		1										
LL	2025-06-05	Breeding Bird	PC41	10	Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	2	1	1	1									
LL	2025-06-05	Breeding Bird	PC41	10	Amro	American Robin	<i>Turdus migratorius</i>	2		2										
LL	2025-06-05	Breeding Bird	PC41	10	Gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2		2		1								
LL	2025-06-05	Breeding Bird	PC41	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	2		2		1	1							
LL	2025-06-05	Breeding Bird	PC41	10	Mawa	Magnolia Warbler	<i>Setophaga magnolia</i>	2		2	1	1								
LL	2025-06-05	Breeding Bird	PC41	10	Rcki	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC41	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC41	10	Osfl	Olive-sided Flycatcher	<i>Contopus cooperi</i>	1		1			1	SW	Yes					Singing from distant corner, where it gets boggier
LL	2025-06-05	Breeding Bird	PC43	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	2		2			2							

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
LL	2025-06-05	Breeding Bird	PC43	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		2		1	1							
LL	2025-06-05	Breeding Bird	PC43	10	CORA	Common Raven	<i>Corvus corax</i>	1	1				1							
LL	2025-06-05	Breeding Bird	PC43	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	3		3			3							
LL	2025-06-05	Breeding Bird	PC43	10	AMRO	American Robin	<i>Turdus migratorius</i>	5	2	3	1	2	2							
LL	2025-06-05	Breeding Bird	PC43	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC43	10	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	2	2				2							
LL	2025-06-05	Breeding Bird	PC43	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC43	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	2		2		1	1							
LL	2025-06-05	Breeding Bird	PC43	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC43	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2		1	1							
LL	2025-06-05	Breeding Bird	PC43	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC43	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC43	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC43	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC43	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	2		2		1	1							
LL	2025-06-05	Breeding Bird	PC43	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	2		2	1	1								
LL	2025-06-05	Breeding Bird	PC43	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		2			2							
LL	2025-06-05	Breeding Bird	PC43	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC43	10	WODU	Wood Duck	<i>Aix sponsa</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC44	10	RTHU	Ruby-throated Hummingbird	<i>Archilochus colubris</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC44	10	Nowa	Northern Waterthrush	<i>Parkesia noveboracensis</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC44	10	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC44	10	Gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2		2	2									
LL	2025-06-05	Breeding Bird	PC44	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC44	10	Baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC44	10	Mawa	Magnolia Warbler	<i>Setophaga magnolia</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC44	10	Amro	American Robin	<i>Turdus migratorius</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC44	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC44	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC44	10	Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC44	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC44	10	Amre	American Redstart	<i>Setophaga ruticilla</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC44	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	2		2	1	1								
LL	2025-06-05	Breeding Bird	PC47	10	Revi	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC47	10	Yrwa	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC47	10	Boch	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		2	2									
LL	2025-06-05	Breeding Bird	PC47	10	Oven	Ovenbird	<i>Seiurus aurocapilla</i>	2		2	2									
LL	2025-06-05	Breeding Bird	PC47	10	YEWA	Yellow Warbler	<i>Setophaga petechia</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC47	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	2		2	1	1								
LL	2025-06-05	Breeding Bird	PC47	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		2	1	1								
LL	2025-06-05	Breeding Bird	PC47	10	Mawa	Magnolia Warbler	<i>Setophaga magnolia</i>	2		2	1	1								
LL	2025-06-05	Breeding Bird	PC47	10	Baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC47	10	Amro	American Robin	<i>Turdus migratorius</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC47	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC47	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC47	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC47	10	Pufi	Purple Finch	<i>Haemorhous purpureus</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC48	10	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC48	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	3		3	3									
LL	2025-06-05	Breeding Bird	PC48	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC48	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2		1	1							
LL	2025-06-05	Breeding Bird	PC48	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC48	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC48	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		1		1								
LL	2025-06-05	Breeding Bird	PC48	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	3		3	1	1	1							
LL	2025-06-05	Breeding Bird	PC48	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC48	10	Baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC48	10	Alfl	Alder Flycatcher	<i>Empidonax alnorum</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC49	10	Alfl	Alder Flycatcher	<i>Empidonax alnorum</i>	2		2	2									
LL	2025-06-05	Breeding Bird	PC49	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	2		2	1	1								
LL	2025-06-05	Breeding Bird	PC49	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	3		3	2	1								
LL	2025-06-05	Breeding Bird	PC49	10	Swth	Swainson's Thrush	<i>Catharus ustulatus</i>	3		3	2	1								
LL	2025-06-05	Breeding Bird	PC49	10	Mawa	Magnolia Warbler	<i>Setophaga magnolia</i>	5		5	2	3								
LL	2025-06-05	Breeding Bird	PC49	10	Amro	American Robin	<i>Turdus migratorius</i>	2		2		2								
LL	2025-06-05	Breeding Bird	PC49	10	Cedw	Cedar Waxwing	<i>Bombycilla cedrorum</i>	3	3		3									
LL	2025-06-05	Breeding Bird	PC49	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC49	10	Nawa	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC49	10	Lisp	Lincoln's Sparrow	<i>Melospiza lincolni</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC49	10	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	1	1		1									
LL	2025-06-05	Breeding Bird	PC49	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC49	10	Pufi	Purple Finch	<i>Haemorhous purpureus</i>	1	1		1									
LL	2025-06-05	Breeding Bird	PC49	10	Cora	Common Raven	<i>Corvus corax</i>	1	1		1									
LL	2025-06-05	Breeding Bird	PC49	10	Sosp	Song Sparrow	<i>Melospiza melodia</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC49	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2	1	1								
LL	2025-06-05	Breeding Bird	PC49	10	Oven	Ovenbird	<i>Seiurus aurocapilla</i>	2		2		1	1							
LL	2025-06-05	Breeding Bird	PC49	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	2		2		1	1							
LL	2025-06-05	Breeding Bird	PC49	10	Gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2		2			2							
LL	2025-06-05	Breeding Bird	PC49	10	YBSA	Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC49	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1	1		1									
LL	2025-06-05	Breeding Bird	PC46	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC46	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC46	10	Caja	Canada Jay	<i>Perisoreus canadensis</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC46	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	2		2	2									
LL	2025-06-05	Breeding Bird	PC46	10	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	2	2			2								

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
LL	2025-06-05	Breeding Bird	PC46	10	Cogr	Common Grackle	<i>Quiscalus quiscula</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC46	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC46	10	Amro	American Robin	<i>Turdus migratorius</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC46	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	2		2		1	1							
LL	2025-06-05	Breeding Bird	PC46	10	Cedw	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2		2		2								
LL	2025-06-05	Breeding Bird	PC46	10	Oven	Ovenbird	<i>Seiurus aurocapilla</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC46	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC46	10	Modo	Mourning Dove	<i>Zenaida macroura</i>	1	1					1						
LL	2025-06-05	Breeding Bird	PC46	10	Mawa	Magnolia Warbler	<i>Setophaga magnolia</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC46	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC46	10	Baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC46	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2		1	1							
LL	2025-06-05	Breeding Bird	PC40	10	Mawa	Magnolia Warbler	<i>Setophaga magnolia</i>	3		3		1	2							
LL	2025-06-05	Breeding Bird	PC40	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC40	10	Rcki	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC40	10	Gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2		2		2								
LL	2025-06-05	Breeding Bird	PC40	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC40	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC40	10	Alfl	Alder Flycatcher	<i>Empidonax alnorum</i>	2		2			1	1						
LL	2025-06-05	Breeding Bird	PC40	10	Cote	Common Tern	<i>Sterna hirundo</i>	2	2			2								Have not seen them this deep in the mountain before, flying across the lake. Adults in alt.
LL	2025-06-05	Breeding Bird	PC40	10	Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC40	10	Nawa	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC40	10	Baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC40	10	Amro	American Robin	<i>Turdus migratorius</i>	2		2			2							
LL	2025-06-05	Breeding Bird	PC40	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC40	10	Tres	Tree Swallow	<i>Tachycineta bicolor</i>	1	1			1								
LL	2025-06-05	Breeding Bird	PC40	10	Cedw	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2		2		2								
LL	2025-06-06	Breeding Bird	PC50	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	3		3			1	2						
LL	2025-06-06	Breeding Bird	PC50	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1			1							
LL	2025-06-06	Breeding Bird	PC50	10	BBWA	Bay-breasted Warbler	<i>Setophaga castanea</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC50	10	PAwa	Palm Warbler	<i>Setophaga palmarum</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC50	10	Nawa	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		1			1							
LL	2025-06-06	Breeding Bird	PC50	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2		1	1							
LL	2025-06-06	Breeding Bird	PC50	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC50	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		1			1							
LL	2025-06-06	Breeding Bird	PC50	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		1			1							
LL	2025-06-06	Breeding Bird	PC50	10	Ybfl	Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>	1		1			1							
LL	2025-06-06	Breeding Bird	PC50	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	2		2		1	1							
LL	2025-06-06	Breeding Bird	PC50	10	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	2		2		2								
LL	2025-06-06	Breeding Bird	PC50	10	Revi	Red-eyed Vireo	<i>Vireo olivaceus</i>	2		2		2								
LL	2025-06-06	Breeding Bird	PC51	10	Revi	Red-eyed Vireo	<i>Vireo olivaceus</i>	2	1	1		1	1							
LL	2025-06-06	Breeding Bird	PC51	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	2		2		1	1							
LL	2025-06-06	Breeding Bird	PC51	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1			1							
LL	2025-06-06	Breeding Bird	PC51	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		1			1							
LL	2025-06-06	Breeding Bird	PC51	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		1			1							
LL	2025-06-06	Breeding Bird	PC51	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC51	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		1			1							
LL	2025-06-06	Breeding Bird	PC51	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		1			1							
LL	2025-06-06	Breeding Bird	PC51	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	2	2				2							
LL	2025-06-06	Breeding Bird	PC51	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2		2								
LL	2025-06-06	Breeding Bird	PC51	10	Baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC51	10	Pufi	Purple Finch	<i>Haemorhous purpureus</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC51	10	Ybfl	Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC51	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC53	10	Revi	Red-eyed Vireo	<i>Vireo olivaceus</i>	2		2		1	1							
LL	2025-06-06	Breeding Bird	PC53	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		1			1							
LL	2025-06-06	Breeding Bird	PC53	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC53	10	Amro	American Robin	<i>Turdus migratorius</i>	2	1	1		1	1							
LL	2025-06-06	Breeding Bird	PC53	10	BLBW	Blackburnian Warbler	<i>Setophaga fusca</i>	1		1		1	1							
LL	2025-06-06	Breeding Bird	PC53	10	Oven	Ovenbird	<i>Seiurus aurocapilla</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC53	10	Alfl	Alder Flycatcher	<i>Empidonax alnorum</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC53	10	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	2	2			2								
LL	2025-06-06	Breeding Bird	PC53	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	2		2		1	1							
LL	2025-06-06	Breeding Bird	PC53	10	Mawa	Magnolia Warbler	<i>Setophaga magnolia</i>	2		2			2							
LL	2025-06-06	Breeding Bird	PC53	10	Cogr	Common Grackle	<i>Quiscalus quiscula</i>	1		1				1						
LL	2025-06-06	Breeding Bird	PC53	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2		1	1							
LL	2025-06-06	Breeding Bird	PC53	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	2		2		1	1							
LL	2025-06-06	Breeding Bird	PC55	10	Oven	Ovenbird	<i>Seiurus aurocapilla</i>	3		3		1	1	1						
LL	2025-06-06	Breeding Bird	PC55	10	Revi	Red-eyed Vireo	<i>Vireo olivaceus</i>	3		3		2	1							
LL	2025-06-06	Breeding Bird	PC55	10	Cawa	Canada Warbler	<i>Cardellina canadensis</i>	1		1		1			S	Y				T, Singing passionately, directly from the roadside wetland.
LL	2025-06-06	Breeding Bird	PC55	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		1			1							
LL	2025-06-06	Breeding Bird	PC55	10	Cogr	Common Grackle	<i>Quiscalus quiscula</i>	2	2			2								
LL	2025-06-06	Breeding Bird	PC55	10	Amro	American Robin	<i>Turdus migratorius</i>	3	3			3								
LL	2025-06-06	Breeding Bird	PC55	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	2		2		1	1							
LL	2025-06-06	Breeding Bird	PC55	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	2		2		1	1							
LL	2025-06-06	Breeding Bird	PC55	10	Alfl	Alder Flycatcher	<i>Empidonax alnorum</i>	2		2		1	1							
LL	2025-06-06	Breeding Bird	PC55	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	3	3			3								
LL	2025-06-06	Breeding Bird	PC55	10	Pufi	Purple Finch	<i>Haemorhous purpureus</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC55	10	Coye	Common Yellowthroat	<i>Geothlypis trichas</i>	3	1	2		1	2							
LL	2025-06-06	Breeding Bird	PC55	10	Swsp	Swamp Sparrow	<i>Melospiza georgiana</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC55	10	Cedw	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2	2			2								
LL	2025-06-06	Breeding Bird	PC55	10	Sosp	Song Sparrow	<i>Melospiza melodia</i>	1	1			1								

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
LL	2025-06-06	Breeding Bird	PC55	10	NOWA	Northern Waterthrush	<i>Parkesia noveboracensis</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC55	10	CMWA	Cape May Warbler	<i>Setophaga tigrina</i>	1		1	1									Sporadic habitat present
LL	2025-06-06	Breeding Bird	PC54	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	2		2	1	1								
LL	2025-06-06	Breeding Bird	PC54	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	4	2	2	4									
LL	2025-06-06	Breeding Bird	PC54	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	2		2	1	1								
LL	2025-06-06	Breeding Bird	PC54	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC54	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC54	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2	1	1								
LL	2025-06-06	Breeding Bird	PC54	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC54	10	Nawa	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1	1		1									
LL	2025-06-06	Breeding Bird	PC54	10	Amro	American Robin	<i>Turdus migratorius</i>	1	1		1									
LL	2025-06-06	Breeding Bird	PC54	10	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	1	1		1									
LL	2025-06-06	Breeding Bird	PC54	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC54	10	Cora	Common Raven	<i>Corvus corax</i>	1	1		1									
LL	2025-06-06	Breeding Bird	PC54	10	Rbnu	Red-breasted Nuthatch	<i>Sitta canadensis</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC54	10	Deju	Dark-eyed Junco	<i>Junco hyemalis</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC54	10	Osfl	Olive-sided Flycatcher	<i>Contopus cooperi</i>	1	1		1				S	N		Yes	15	W
LL	2025-06-06	Breeding Bird	PC52	10	Cawa	Canada Warbler	<i>Cardellina canadensis</i>	1		1	1				SW	Y				
LL	2025-06-06	Breeding Bird	PC52	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC52	10	Mawa	Magnolia Warbler	<i>Setophaga magnolia</i>	3		3	1	1	1							
LL	2025-06-06	Breeding Bird	PC52	10	Yrwa	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC52	10	Oven	Ovenbird	<i>Seiurus aurocapilla</i>	1		1			1							
LL	2025-06-06	Breeding Bird	PC52	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	3		3		1	2							
LL	2025-06-06	Breeding Bird	PC52	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		2	2									
LL	2025-06-06	Breeding Bird	PC52	10	Revi	Red-eyed Vireo	<i>Vireo olivaceus</i>	2		2		1	1							
LL	2025-06-06	Breeding Bird	PC52	10	Baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1	1		1									
LL	2025-06-06	Breeding Bird	PC52	10	Ybsa	Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC52	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC52	10	Amro	American Robin	<i>Turdus migratorius</i>	2		2		1	1							
LL	2025-06-06	Breeding Bird	PC52	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	2		2	1	1								
LL	2025-06-06	Breeding Bird	PC52	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC52	10	Amre	American Redstart	<i>Setophaga ruticilla</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC52	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC52	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC52	10	Nofl	Northern Flicker	<i>Colaptes auratus</i>	1		1			1							
LL	2025-06-06	Breeding Bird	PC56	10	rcki	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC56	10	gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC56	10	bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	1	1			2								
LL	2025-06-06	Breeding Bird	PC56	10	wtsp	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2		1	1							
LL	2025-06-06	Breeding Bird	PC56	10	mawa	Magnolia Warbler	<i>Setophaga magnolia</i>	2		2		2								
LL	2025-06-06	Breeding Bird	PC56	10	yrwa	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1	1			1								
LL	2025-06-06	Breeding Bird	PC56	10	nawa	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC56	10	btnw	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC56	10	agol	American Goldfinch	<i>Spinus tristis</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC56	10	amro	American Robin	<i>Turdus migratorius</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC56	10	swth	Swainson's Thrush	<i>Catharus ustulatus</i>	2		2	1	1								
LL	2025-06-06	Breeding Bird	PC56	10	heth	Hermit Thrush	<i>Catharus guttatus</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC56	10	deju	Dark-eyed Junco	<i>Junco hyemalis</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC56	10	bhvi	Blue-headed Vireo	<i>Vireo solitarius</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC56	10	revi	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC56	10	baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC56	10	oven	Ovenbird	<i>Seiurus aurocapilla</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC56	10	ybsa	Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC57	10	Cedw	Cedar Waxwing	<i>Bombycilla cedrorum</i>	5	3	2	3	2								
LL	2025-06-06	Breeding Bird	PC57	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC57	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	3	3		3									
LL	2025-06-06	Breeding Bird	PC57	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1	1			1								
LL	2025-06-06	Breeding Bird	PC57	10	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1	1		1									
LL	2025-06-06	Breeding Bird	PC57	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC57	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	5	2	3	5									
LL	2025-06-06	Breeding Bird	PC57	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	3		3	2	1								
LL	2025-06-06	Breeding Bird	PC57	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	4		4	3	1								
LL	2025-06-06	Breeding Bird	PC57	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	2		2	1	1								
LL	2025-06-06	Breeding Bird	PC57	10	Pisi	Pine Siskin	<i>Spinus pinus</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC57	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC57	10	Baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1	1		1									
LL	2025-06-06	Breeding Bird	PC57	10	BLBW	Blackburnian Warbler	<i>Setophaga fusca</i>	1	1		1									
LL	2025-06-06	Breeding Bird	PC57	10	CAJA	Canada Jay	<i>Perisoreus canadensis</i>	2	2		2									
LL	2025-06-06	Breeding Bird	PC57	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	2	2		2									
LL	2025-06-06	Breeding Bird	PC58	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC58	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC58	10	YBSA	Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC58	10	Rcki	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1	1		1									
LL	2025-06-06	Breeding Bird	PC58	10	SpSA	Spotted Sandpiper	<i>Actitis macularius</i>	1	1		1									
LL	2025-06-06	Breeding Bird	PC58	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		2	1	1								
LL	2025-06-06	Breeding Bird	PC58	10	Alfl	Alder Flycatcher	<i>Empidonax alnorum</i>	2		2	1	1								
LL	2025-06-06	Breeding Bird	PC58	10	Oven	Ovenbird	<i>Seiurus aurocapilla</i>	2		2	2									
LL	2025-06-06	Breeding Bird	PC58	10	Amre	American Redstart	<i>Setophaga ruticilla</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC58	10	Baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC58	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC58	10	RTHU	Ruby-throated Hummingbird	<i>Archilochus colubris</i>	1	1		1									
LL	2025-06-06	Breeding Bird	PC58	10	Tewa	Tennessee Warbler	<i>Leiothlypis peregrina</i>	1		1			1							
LL	2025-06-06	Breeding Bird	PC58	10	Baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC58	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		1		1								

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
LL	2025-06-06	Breeding Bird	PC58	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1			1							
LL	2025-06-06	Breeding Bird	PC58	10	Colo	Common Loon	<i>Gavia immer</i>	1	1				1							
LL	2025-06-06	Breeding Bird	PC58	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC58	10	Cawa	Canada Warbler	<i>Cardellina canadensis</i>	1		1		1		E	No					S, Singing near lake, in ferny saturated habitat. A little bit odd for it.
LL	2025-06-06	Breeding Bird	PC59	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC59	10	Ybsa	Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC59	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC59	10	Nawa	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		1		1								
LL	2025-06-06	Breeding Bird	PC59	10	Baww	Black-and-white Warbler	<i>Mniotilta varia</i>	2		2	1	1								
LL	2025-06-06	Breeding Bird	PC59	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	3	2	1	2	1								
LL	2025-06-06	Breeding Bird	PC59	10	Mawa	Magnolia Warbler	<i>Setophaga magnolia</i>	4	1	3	1	3								
LL	2025-06-06	Breeding Bird	PC59	10	Amre	American Redstart	<i>Setophaga ruticilla</i>	2		2	1	1								
LL	2025-06-06	Breeding Bird	PC59	10	Oven	Ovenbird	<i>Seiurus aurocapilla</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC59	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1	1		1									
LL	2025-06-06	Breeding Bird	PC59	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	2	1	1	1	1								
LL	2025-06-06	Breeding Bird	PC59	10	Amro	American Robin	<i>Turdus migratorius</i>	4	2	2	2	2								
LL	2025-06-06	Breeding Bird	PC59	10	Revi	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC59	10	RTHU	Ruby-throated Hummingbird	<i>Archilochus colubris</i>	1		1	1									
LL	2025-06-06	Breeding Bird	PC59	10	Gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2		2	2									
LL	2025-06-06	Breeding Bird	PC59	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		2	1	1								
LL	2025-06-06	Breeding Bird	PC59	10	Cedw	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2	2		2									
LL	2025-06-06	Breeding Bird	PC59	10	Amcr	American Crow	<i>Corvus brachyrhynchos</i>	1	1		1									
LL	2025-06-04	Breeding Bird	PC16	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC16	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	3		3	1	1	1							
LL	2025-06-04	Breeding Bird	PC16	10	YEWA	Yellow Warbler	<i>Setophaga petechia</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC16	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	3	1	2	1	2								
LL	2025-06-04	Breeding Bird	PC16	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	2	2			2								
LL	2025-06-04	Breeding Bird	PC16	10	RWBL	Red-winged Blackbird	<i>Agelaius phoeniceus</i>	1	1		1									
LL	2025-06-04	Breeding Bird	PC16	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	3	3		3									
LL	2025-06-04	Breeding Bird	PC16	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2	2		2									
LL	2025-06-04	Breeding Bird	PC16	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	2	2		2									
LL	2025-06-04	Breeding Bird	PC16	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2		1	1							
LL	2025-06-04	Breeding Bird	PC16	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC16	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC16	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	2		2	1	1								
LL	2025-06-04	Breeding Bird	PC16	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	4	2	2	3	1								
LL	2025-06-04	Breeding Bird	PC16	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	2	1	1	1	1								
LL	2025-06-04	Breeding Bird	PC16	10	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC16	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		2	2									
LL	2025-06-04	Breeding Bird	PC16	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	2		2		2								
LL	2025-06-04	Breeding Bird	PC16	10	AMRO	American Robin	<i>Turdus migratorius</i>	2		2		1	1							
LL	2025-06-04	Breeding Bird	PC16	10	TRES	Tree Swallow	<i>Tachycineta bicolor</i>	1	1				1							
LL	2025-06-04	Breeding Bird	PC16	10	BEKI	Belted Kingfisher	<i>Megasceryle alcyon</i>	1	1											
LL	2025-06-04	Breeding Bird	PC16	10	OSPR	Osprey	<i>Pandion haliaetus</i>	2	2				2							
LL	2025-06-04	Breeding Bird	PC17	10	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1		1	1			SE	Yes					S, In dense ferny edge to wetland
LL	2025-06-04	Breeding Bird	PC17	10	OSFL	Olive-sided Flycatcher	<i>Contopus cooperi</i>	1		1			1	SE	Yes					S, Singing from massive snag on wetland edge
LL	2025-06-04	Breeding Bird	PC17	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	2		2		2								
LL	2025-06-04	Breeding Bird	PC17	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	2		2	1	1								
LL	2025-06-04	Breeding Bird	PC17	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	2		2	2									
LL	2025-06-04	Breeding Bird	PC17	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2		2	1	1								
LL	2025-06-04	Breeding Bird	PC17	10	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC17	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	2		2	1	1								
LL	2025-06-04	Breeding Bird	PC17	10	AMRO	American Robin	<i>Turdus migratorius</i>	4		4	1	2	1							
LL	2025-06-04	Breeding Bird	PC17	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2	2		2									
LL	2025-06-04	Breeding Bird	PC17	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	2	2		2									
LL	2025-06-04	Breeding Bird	PC17	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC17	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		2	1	1								
LL	2025-06-04	Breeding Bird	PC17	10	YBSA	Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC17	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC17	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC18	10	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1		1			1	N						
LL	2025-06-04	Breeding Bird	PC18	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	2		2		1	1							
LL	2025-06-04	Breeding Bird	PC18	10	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC18	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	2		2	1	1								
LL	2025-06-04	Breeding Bird	PC18	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	2		2	1	1								
LL	2025-06-04	Breeding Bird	PC18	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	2		2	2									
LL	2025-06-04	Breeding Bird	PC18	10	LEFL	Least Flycatcher	<i>Empidonax minimus</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC18	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC18	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC18	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC18	10	AMRO	American Robin	<i>Turdus migratorius</i>	2		2	1	1								
LL	2025-06-04	Breeding Bird	PC18	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	2		2	2									
LL	2025-06-04	Breeding Bird	PC18	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	5	4	1	4	1								
LL	2025-06-04	Breeding Bird	PC18	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC18	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC18	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	3		3	2	1								
LL	2025-06-04	Breeding Bird	PC18	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2		2								
LL	2025-06-04	Breeding Bird	PC19	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2		1	1							
LL	2025-06-04	Breeding Bird	PC19	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	2		2		2								
LL	2025-06-04	Breeding Bird	PC19	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC19	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC19	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2	2		2									
LL	2025-06-04	Breeding Bird	PC19	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	2		2	2									

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
LL	2025-06-04	Breeding Bird	PC19	10	AMRO	American Robin	<i>Turdus migratorius</i>	2		2	2									
LL	2025-06-04	Breeding Bird	PC19	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC19	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC19	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC19	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC19	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC19	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC19	10	BLBW	Blackburnian Warbler	<i>Setophaga fusca</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC19	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC13	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC13	10	BLBW	Blackburnian Warbler	<i>Setophaga fusca</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC13	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC13	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC13	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC13	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC13	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC13	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		2	2									
LL	2025-06-04	Breeding Bird	PC13	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2	2		2									
LL	2025-06-04	Breeding Bird	PC13	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC13	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	2		2	2									
LL	2025-06-04	Breeding Bird	PC13	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	4		4	2	2								
LL	2025-06-04	Breeding Bird	PC13	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	2		2		2								
LL	2025-06-04	Breeding Bird	PC13	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC12	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		1										
LL	2025-06-04	Breeding Bird	PC12	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2		2								
LL	2025-06-04	Breeding Bird	PC12	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	2		2		2								
LL	2025-06-04	Breeding Bird	PC12	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC12	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		2	2									
LL	2025-06-04	Breeding Bird	PC12	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC12	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC12	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC12	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC12	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC12	10	BLBW	Blackburnian Warbler	<i>Setophaga fusca</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC12	10	PISI	Pine Siskin	<i>Spinus pinus</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC12	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2		2	2									
LL	2025-06-04	Breeding Bird	PC15	10	SCTA	Scarlet Tanager	<i>Piranga olivacea</i>	1		1		1								Singing hard from riparian area bordering on expansive hardwood stand. Flew in closer and did its flight call as it came in.
LL	2025-06-04	Breeding Bird	PC15	10	VEER	Veery	<i>Catharus fuscescens</i>	3		3		3								The only place to easily find them on site. Hard to find in Guysborough county as it is.
LL	2025-06-04	Breeding Bird	PC15	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	3		3	1	2								
LL	2025-06-04	Breeding Bird	PC15	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	4		4	2	2								
LL	2025-06-04	Breeding Bird	PC15	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	3		3	1	1	1							
LL	2025-06-04	Breeding Bird	PC15	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	4		4		2	2							
LL	2025-06-04	Breeding Bird	PC15	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	3		3			3							
LL	2025-06-04	Breeding Bird	PC15	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		2		2								
LL	2025-06-04	Breeding Bird	PC15	10	NOPA	Northern Parula	<i>Setophaga americana</i>	2		2		2								
LL	2025-06-04	Breeding Bird	PC15	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	2		2		1	1							
LL	2025-06-04	Breeding Bird	PC15	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2		1	1							
LL	2025-06-04	Breeding Bird	PC15	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC15	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	2		2		1	1							
LL	2025-06-04	Breeding Bird	PC15	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2		2	2									
LL	2025-06-04	Breeding Bird	PC15	10	NAWA	Nashville Warbler	<i>Leiothlypis rufigapilla</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC15	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC15	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2		2			2							
LL	2025-06-04	Breeding Bird	PC15	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC20	10	MOWA	Mourning Warbler	<i>Geothlypis philadelphia</i>	2	1	1	2									
LL	2025-06-04	Breeding Bird	PC20	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC20	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2		2		1	1							
LL	2025-06-04	Breeding Bird	PC20	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC20	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC20	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC20	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC20	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	2		2		1	1							
LL	2025-06-04	Breeding Bird	PC20	10	AMRO	American Robin	<i>Turdus migratorius</i>	2	2		2									
LL	2025-06-04	Breeding Bird	PC20	10	CEDW	Cedar Waxwing	<i>Bombcilla cedrorum</i>	2	2		2									
LL	2025-06-04	Breeding Bird	PC20	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC20	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC20	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC20	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC20	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1	1		1									
LL	2025-06-04	Breeding Bird	PC20	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		2		2								
LL	2025-06-04	Breeding Bird	PC20	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	2		2		2								
LL	2025-06-04	Breeding Bird	PC20	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC21	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC21	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC21	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC21	10	NAWA	Nashville Warbler	<i>Leiothlypis rufigapilla</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC21	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC21	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1		1								
LL	2025-06-04	Breeding Bird	PC21	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1	1		1									
LL	2025-06-04	Breeding Bird	PC21	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC21	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		1	1									

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
LL	2025-06-04	Breeding Bird	PC21	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2		1	1							
LL	2025-06-04	Breeding Bird	PC21	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC21	10	YBSA	Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC21	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		1				1						
LL	2025-06-04	Breeding Bird	PC21	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC21	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC21	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		1				1						
LL	2025-06-04	Breeding Bird	PC21	10	RTHU	Ruby-throated Hummingbird	<i>Archilochus colubris</i>	1	1		1									
LL	2025-06-04	Breeding Bird	PC22	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC22	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2		2			2							
LL	2025-06-04	Breeding Bird	PC22	10	YBSA	Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	2		2			1	1						
LL	2025-06-04	Breeding Bird	PC22	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC22	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC22	10	CSWA	Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>	1		1				1						
LL	2025-06-04	Breeding Bird	PC22	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2			2							
LL	2025-06-04	Breeding Bird	PC22	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		2				2						
LL	2025-06-04	Breeding Bird	PC22	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC22	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC22	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC22	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC22	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC22	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC22	10	AMRO	American Robin	<i>Turdus migratorius</i>	2	1	1	1	1								
LL	2025-06-04	Breeding Bird	PC22	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2		2			2							
LL	2025-06-04	Breeding Bird	PC23	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	4	4		4									
LL	2025-06-04	Breeding Bird	PC23	10	SPSA	Spotted Sandpiper	<i>Actitis macularius</i>	1	1				1							
LL	2025-06-04	Breeding Bird	PC23	10	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1	1					1						
LL	2025-06-04	Breeding Bird	PC23	10	RWBL	Red-winged Blackbird	<i>Agelaius phoeniceus</i>	1	1					1						
LL	2025-06-04	Breeding Bird	PC23	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	1	1					1						
LL	2025-06-04	Breeding Bird	PC23	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC23	10	LEFL	Least Flycatcher	<i>Empidonax minimus</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC23	10	CMWA	Cape May Warbler	<i>Setophaga tigrina</i>	1		1	1									
LL	2025-06-04	Breeding Bird	PC23	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	2	1	1	1	1								
LL	2025-06-04	Breeding Bird	PC23	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC23	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC23	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC23	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		2	2									
LL	2025-06-04	Breeding Bird	PC23	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1	1		1									
LL	2025-06-04	Breeding Bird	PC23	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1		1			1							
LL	2025-06-04	Breeding Bird	PC23	10	CORA	Common Raven	<i>Corvus corax</i>	1	1				1							
LL	2025-06-05	Breeding Bird	PC45	10	CORA	Common Raven	<i>Corvus corax</i>	1	1				1							
LL	2025-06-05	Breeding Bird	PC45	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	2		2			2							
LL	2025-06-05	Breeding Bird	PC45	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC45	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	4	2	2	2	2								
LL	2025-06-05	Breeding Bird	PC45	10	NAWA	Nashville Warbler	<i>Leiothlypis rufigapilla</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC45	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC45	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC45	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC45	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC45	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC45	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC45	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2			2							
LL	2025-06-05	Breeding Bird	PC45	10	AMRO	American Robin	<i>Turdus migratorius</i>	3		3	1	2								
LL	2025-06-05	Breeding Bird	PC45	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	2		2		2								
LL	2025-06-05	Breeding Bird	PC45	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		2	2									
LL	2025-06-05	Breeding Bird	PC45	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC45	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC45	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC39	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		1			1							
LL	2025-06-05	Breeding Bird	PC39	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		1										
LL	2025-06-05	Breeding Bird	PC39	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		2	2									
LL	2025-06-05	Breeding Bird	PC39	10	AMRO	American Robin	<i>Turdus migratorius</i>	4		4	2	2								
LL	2025-06-05	Breeding Bird	PC39	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		2	1	1								
LL	2025-06-05	Breeding Bird	PC39	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		1		1								
LL	2025-06-05	Breeding Bird	PC39	10	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC39	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2		2	2									
LL	2025-06-05	Breeding Bird	PC39	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC39	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	3		3	1	2								
LL	2025-06-05	Breeding Bird	PC39	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	6		4	2	4								
LL	2025-06-05	Breeding Bird	PC39	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1	1			1								
LL	2025-06-05	Breeding Bird	PC39	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	2		2	2									
LL	2025-06-05	Breeding Bird	PC39	10	RBNU	Red-breasted Nuthatch	<i>Sitta canadensis</i>	1		1	1									
LL	2025-06-05	Breeding Bird	PC39	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		1			1							
SC	2025-06-03	Breeding Bird	PC2	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	3		X		1	2	NE, SW, S						
SC	2025-06-03	Breeding Bird	PC2	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X				N						
SC	2025-06-03	Breeding Bird	PC2	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	2		X	2			NE, E						
SC	2025-06-03	Breeding Bird	PC2	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	3	X	X	2	1		NE, NW, W						
SC	2025-06-03	Breeding Bird	PC2	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	1			W						
SC	2025-06-03	Breeding Bird	PC2	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		X	1	1		SE, E						
SC	2025-06-03	Breeding Bird	PC2	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X	1			E						
SC	2025-06-03	Breeding Bird	PC2	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1		X			1	N						
SC	2025-06-03	Breeding Bird	PC2	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X		1		N						
SC	2025-06-03	Breeding Bird	PC2	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X	1			SW						
SC	2025-06-03	Breeding Bird	PC2	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		X	1			SE						

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
SC	2025-06-03	Breeding Bird	PC2	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	2		X		2		SW, S						
SC	2025-06-03	Breeding Bird	PC2	10	AMRO	American Robin	<i>Turdus migratorius</i>	3	X	X		2	1	N, NE, E						
SC	2025-06-03	Breeding Bird	PC2	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	4	X							X				
SC	2025-06-03	Breeding Bird	PC2	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		X						X				
SC	2025-06-03	Breeding Bird	PC2	10	MODO	Mourning Dove	<i>Zenaida macroura</i>	1	X	X						X				
SC	2025-06-03	Breeding Bird	PC2	10	WIWR	Winter Wren	<i>Troglodytes hiemalis</i>	1		X						X				
SC	2025-06-03	Breeding Bird	PC2	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	2		X						X				
SC	2025-06-03	Breeding Bird	PC2	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	6	X							X				
SC	2025-06-03	Breeding Bird	PC3	10	MOWA	Mourning Warbler	<i>Geothlypis philadelphia</i>	1		X	1			N						
SC	2025-06-03	Breeding Bird	PC3	10	LEFL	Least Flycatcher	<i>Empidonax minimus</i>	1		X		1		E						
SC	2025-06-03	Breeding Bird	PC3	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X			1	N						
SC	2025-06-03	Breeding Bird	PC3	10	WIWR	Winter Wren	<i>Troglodytes hiemalis</i>	1		X		1		N						
SC	2025-06-03	Breeding Bird	PC3	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1		X			1	SW						
SC	2025-06-03	Breeding Bird	PC3	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X			1	NE						
SC	2025-06-03	Breeding Bird	PC3	10	NOWA	Northern Waterthrush	<i>Parkesia noveboracensis</i>	1		X	1			NE						
SC	2025-06-03	Breeding Bird	PC3	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	2	X	X	2			NW, N						
SC	2025-06-03	Breeding Bird	PC3	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		X		1		SE						
SC	2025-06-03	Breeding Bird	PC3	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2	X		2			N						
SC	2025-06-03	Breeding Bird	PC3	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	4	X	X		4		N, E, S, W						
SC	2025-06-03	Breeding Bird	PC3	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X		1		NW						
SC	2025-06-03	Breeding Bird	PC3	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X		1		SE						
SC	2025-06-03	Breeding Bird	PC3	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X	1			W						
SC	2025-06-03	Breeding Bird	PC3	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		X		1		SW						
SC	2025-06-03	Breeding Bird	PC3	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		X			1	SW						
SC	2025-06-03	Breeding Bird	PC3	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		X			1	SE						
SC	2025-06-03	Breeding Bird	PC4	10	LEFL	Least Flycatcher	<i>Empidonax minimus</i>	2		X		1	1	N, E						
SC	2025-06-03	Breeding Bird	PC4	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	2		X			2	N, E						
SC	2025-06-03	Breeding Bird	PC4	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	3	X			3		N						In flock
SC	2025-06-03	Breeding Bird	PC4	10	WIWR	Winter Wren	<i>Troglodytes hiemalis</i>	1		X			1	N						
SC	2025-06-03	Breeding Bird	PC4	10	SPSA	Spotted Sandpiper	<i>Actitis macularius</i>	1	X				1	E						Resting on rock in lake
SC	2025-06-03	Breeding Bird	PC4	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X		1		E						
SC	2025-06-03	Breeding Bird	PC4	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		X	1	1		N						
SC	2025-06-03	Breeding Bird	PC4	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X		1		NW						
SC	2025-06-03	Breeding Bird	PC4	10	CSWA	Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>	1		X	1			SW						
SC	2025-06-03	Breeding Bird	PC4	10	YEWA	Yellow Warbler	<i>Setophaga petechia</i>	2	X	X	2			N, S						
SC	2025-06-03	Breeding Bird	PC4	10	ALFL	Alder Flycatcher	<i>Empidonax alinorum</i>	1	X	X	1			S						
SC	2025-06-03	Breeding Bird	PC4	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1		X			1	S						
SC	2025-06-03	Breeding Bird	PC5	10	SORA	Sora	<i>Porzana carolina</i>	2		X		1	1	N	X					
SC	2025-06-03	Breeding Bird	PC5	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X			1	SW	X					
SC	2025-06-03	Breeding Bird	PC5	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	2		X		2		N, SW	X					
SC	2025-06-03	Breeding Bird	PC5	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1		X		1		NE	X					
SC	2025-06-03	Breeding Bird	PC5	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		X		2		N, S	X					
SC	2025-06-03	Breeding Bird	PC5	10	RWBL	Red-winged Blackbird	<i>Agelaius phoeniceus</i>	3	X	X	2	1		NE, E, W	X					
SC	2025-06-03	Breeding Bird	PC5	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	3	X	X		3		E	X					In flock
SC	2025-06-03	Breeding Bird	PC5	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	2		X	1	1		E, W	X					
SC	2025-06-03	Breeding Bird	PC5	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X		1		S	X					
SC	2025-06-03	Breeding Bird	PC5	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		X		1		W	X					
SC	2025-06-03	Breeding Bird	PC5	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X		1		W	X					
SC	2025-06-03	Breeding Bird	PC5	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X		1		W	X					
SC	2025-06-03	Breeding Bird	PC5	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1	X		1			N	X					
SC	2025-06-03	Breeding Bird	PC5	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1		X	1			N	X					
SC	2025-06-03	Breeding Bird	PC5	10	NOWA	Northern Waterthrush	<i>Parkesia noveboracensis</i>	1		X	1			E	X					
SC	2025-06-03	Breeding Bird	PC5	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		X	1			E	X					
SC	2025-06-03	Breeding Bird	PC5	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	4	X	X	4			SW	X					In flock together, at least one male present calling from tree
SC	2025-06-03	Breeding Bird	PC5	10	COLO	Common Loon	<i>Gavia immer</i>	1		X			1	NW		X				Singing in the distance, likely in local lake
SC	2025-06-03	Breeding Bird	PC5	10	WODU	Wood Duck	<i>Aix sponsa</i>	1	X		1			NE	X	X				Male. Seen while driving back from completing other points nearby
SC	2025-06-03	Breeding Bird	PC5	10	RNDU	Ring-necked Duck	<i>Aythya collaris</i>	4	X		2	2		SW, S	X	X				Seen whil taking road on other side of wetland to access PC6 and PC8. Two breeding pairs.
SC	2025-06-03	Breeding Bird	PC7	10	LEFL	Least Flycatcher	<i>Empidonax minimus</i>	1		X			1	E						
SC	2025-06-03	Breeding Bird	PC7	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1		X			1	E						
SC	2025-06-03	Breeding Bird	PC7	10	COLO	Common Loon	<i>Gavia immer</i>	1		X			1	S						
SC	2025-06-03	Breeding Bird	PC7	10	CANG	Canada Goose	<i>Branta canadensis</i>	1		X			1	S						
SC	2025-06-03	Breeding Bird	PC7	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X			1	S						
SC	2025-06-03	Breeding Bird	PC7	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	3		X	1	2		E, W						
SC	2025-06-03	Breeding Bird	PC7	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X		1		S						
SC	2025-06-03	Breeding Bird	PC7	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		X		1		S						
SC	2025-06-03	Breeding Bird	PC7	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		X		1		SW						
SC	2025-06-03	Breeding Bird	PC7	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X		1		W						
SC	2025-06-03	Breeding Bird	PC7	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		X				W						
SC	2025-06-03	Breeding Bird	PC7	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		X	1	1		SE, NW						
SC	2025-06-03	Breeding Bird	PC7	10	NOWA	Northern Waterthrush	<i>Parkesia noveboracensis</i>	1		X		1		N						
SC	2025-06-03	Breeding Bird	PC7	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2		X	2			N						
SC	2025-06-03	Breeding Bird	PC7	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	2		X	2			NE, SE						
SC	2025-06-03	Breeding Bird	PC7	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X	1			E						
SC	2025-06-03	Breeding Bird	PC7	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	2		X	2			SE, NW						
SC	2025-06-03	Breeding Bird	PC9	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		X			1	SSW						
SC	2025-06-03	Breeding Bird	PC9	10	COLO	Common Loon	<i>Gavia immer</i>	2	X	X		2		SW			X	75	W	
SC	2025-06-03	Breeding Bird	PC9	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	3		X		3		SSW, NNE, S	X					
SC	2025-06-03	Breeding Bird	PC9	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	2		X	1	1		S, N	X					
SC	2025-06-03	Breeding Bird	PC9	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X			1	NW	X					

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
SC	2025-06-03	Breeding Bird	PC9	10	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1		X	1			S	X					Singing multiple times in wetland located beside the PC. See recording and spectrogram photos attached to Survey123 form.
SC	2025-06-03	Breeding Bird	PC9	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X	1			SSW	X					
SC	2025-06-03	Breeding Bird	PC9	10	NAWA	Nashville Warbler	<i>Leiothlypis rufigapilla</i>	1		X	1			S	X					
SC	2025-06-03	Breeding Bird	PC9	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		X	1			SSW	X					
SC	2025-06-03	Breeding Bird	PC9	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X	1			W	X					
SC	2025-06-03	Breeding Bird	PC9	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1	X		1			NW	X					Seen foraging within wetland, spooked and flew off to the S
SC	2025-06-03	Breeding Bird	PC9	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X	1			N	X					
SC	2025-06-03	Breeding Bird	PC9	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	5	X	X	5			S	X					
SC	2025-06-03	Breeding Bird	PC10	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	2	X	X		1	1	SW, W						
SC	2025-06-03	Breeding Bird	PC10	10	OSFL	Olive-sided Flycatcher	<i>Contopus cooperi</i>	1		X			1	W						
SC	2025-06-03	Breeding Bird	PC10	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		X	1	1		E, NW						
SC	2025-06-03	Breeding Bird	PC10	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	2		X		2		NW, E						
SC	2025-06-03	Breeding Bird	PC10	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X		1		N						
SC	2025-06-03	Breeding Bird	PC10	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X		1		E						
SC	2025-06-03	Breeding Bird	PC10	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		X			1	NE						
SC	2025-06-03	Breeding Bird	PC10	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	3	X	X	3			SW, S, N						Saw breeding pair together
SC	2025-06-03	Breeding Bird	PC10	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		X	2			SW, NW						
SC	2025-06-03	Breeding Bird	PC11	10	OSFL	Olive-sided Flycatcher	<i>Contopus cooperi</i>	1		X			1	SW	X					Heard singing from wetland across lake. Wetland appeared abundant in snags with mostly grassy vegetation.
SC	2025-06-03	Breeding Bird	PC11	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	3		X		1	2	W, NW, SE	X					
SC	2025-06-03	Breeding Bird	PC11	10	BEKI	Belted Kingfisher	<i>Megaceryle alcyon</i>	1	X	X			1	W	X					Seen perching and calling on snag.
SC	2025-06-03	Breeding Bird	PC11	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	2		X		1	1	NW, SE						
SC	2025-06-03	Breeding Bird	PC11	10	YEWA	Yellow Warbler	<i>Setophaga petechia</i>	1	X	X		1		SW	X					
SC	2025-06-03	Breeding Bird	PC11	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	1	X	X		1		NW	X					
SC	2025-06-03	Breeding Bird	PC11	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1		X		1		NW	X					
SC	2025-06-03	Breeding Bird	PC11	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	1		X		1		N	X					
SC	2025-06-03	Breeding Bird	PC11	10	AMRO	American Robin	<i>Turdus migratorius</i>	6	X	X	4	2		N, E, W	X					
SC	2025-06-03	Breeding Bird	PC11	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		X	1	1		N, S	X					
SC	2025-06-03	Breeding Bird	PC11	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	1			NE	X					
SC	2025-06-03	Breeding Bird	PC11	10	NAWA	Nashville Warbler	<i>Leiothlypis rufigapilla</i>	1		X	1			NE	X					
SC	2025-06-03	Breeding Bird	PC6	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		X		1	1	W, E						
SC	2025-06-03	Breeding Bird	PC6	10	LEFL	Least Flycatcher	<i>Empidonax minimus</i>	2	X	X	1	1		NW, NE						
SC	2025-06-03	Breeding Bird	PC6	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X		1		N						
SC	2025-06-03	Breeding Bird	PC6	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		X		1		NE						
SC	2025-06-03	Breeding Bird	PC6	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	1		X			1	E						
SC	2025-06-03	Breeding Bird	PC6	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		X		1		E						
SC	2025-06-03	Breeding Bird	PC6	10	RBNU	Red-breasted Nuthatch	<i>Sitta canadensis</i>	1		X		1		SE						
SC	2025-06-03	Breeding Bird	PC6	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		X	1			S						
SC	2025-06-03	Breeding Bird	PC6	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X		1		NW						
SC	2025-06-03	Breeding Bird	PC6	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		X	2			NW, W						
SC	2025-06-03	Breeding Bird	PC6	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		X	1			N						
SC	2025-06-03	Breeding Bird	PC6	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1		X	1			W						
SC	2025-06-03	Breeding Bird	PC6	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X	1			NE						
SC	2025-06-03	Breeding Bird	PC6	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X	1			SE						
SC	2025-06-03	Breeding Bird	PC6	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		X	1			S						
SC	2025-06-03	Breeding Bird	PC6	10	NOHA	Northern Harrier	<i>Circus hudsonius</i>	1	X				1	N			X	50	N	Female or juvenile soaring over transmission line.
SC	2025-06-03	Breeding Bird	PC8	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X			1	NW						
SC	2025-06-03	Breeding Bird	PC8	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X			1	N						
SC	2025-06-03	Breeding Bird	PC8	10	CORA	Common Raven	<i>Corvus corax</i>	1		X			1	N						
SC	2025-06-03	Breeding Bird	PC8	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X			1	NE						
SC	2025-06-03	Breeding Bird	PC8	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	2		X		2		N, SE						
SC	2025-06-03	Breeding Bird	PC8	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X		1		N						
SC	2025-06-03	Breeding Bird	PC8	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	5	X	X	1	4		N, NE, E, S						
SC	2025-06-03	Breeding Bird	PC8	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	3		X	1	2		NE, SE, W						
SC	2025-06-03	Breeding Bird	PC8	10	CSWA	Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>	1		X		1		W						
SC	2025-06-03	Breeding Bird	PC8	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		X			1	SW						
SC	2025-06-03	Breeding Bird	PC8	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	1		X			1	SE						
SC	2025-06-04	Breeding Bird	PC24	10	RBNU	Red-breasted Nuthatch	<i>Sitta canadensis</i>	1		X			1	SW						
SC	2025-06-04	Breeding Bird	PC24	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		X			2	S, E						
SC	2025-06-04	Breeding Bird	PC24	10	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1		X			1	S						
SC	2025-06-04	Breeding Bird	PC24	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	2		X		1	1	S, W						
SC	2025-06-04	Breeding Bird	PC24	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X			1	SE						
SC	2025-06-04	Breeding Bird	PC24	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		X			1	E						
SC	2025-06-04	Breeding Bird	PC24	10	AMRO	American Robin	<i>Turdus migratorius</i>	3	X	X			3	N			X	100	S	One heard singing. Two observed flying over and making flight calls.
SC	2025-06-04	Breeding Bird	PC24	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		X		1		S						
SC	2025-06-04	Breeding Bird	PC24	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	3		X	1	2		N, NE, S						
SC	2025-06-04	Breeding Bird	PC24	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	2		X		2		N, SE						
SC	2025-06-04	Breeding Bird	PC24	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		X		1		NW						
SC	2025-06-04	Breeding Bird	PC24	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		X	2			W, S						
SC	2025-06-04	Breeding Bird	PC24	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X	1			NE						
SC	2025-06-04	Breeding Bird	PC25	10	BEKI	Belted Kingfisher	<i>Megaceryle alcyon</i>	1	X	X			1	W						
SC	2025-06-04	Breeding Bird	PC25	10	CANG	Canada Goose	<i>Branta canadensis</i>	2	X				2	SW						
SC	2025-06-04	Breeding Bird	PC25	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X			1	S						
SC	2025-06-04	Breeding Bird	PC25	10	AMRO	American Robin	<i>Turdus migratorius</i>	2		X			2	N, S						
SC	2025-06-04	Breeding Bird	PC25	10	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	1		X			1	NE						Performing breeding display (drumming).
SC	2025-06-04	Breeding Bird	PC25	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		X			1	W						
SC	2025-06-04	Breeding Bird	PC25	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X			1	W						

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
SC	2025-06-04	Breeding Bird	PC25	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1					1	W						
SC	2025-06-04	Breeding Bird	PC25	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1	X	X		1		S						
SC	2025-06-04	Breeding Bird	PC25	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		X		1		S						
SC	2025-06-04	Breeding Bird	PC25	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2	X	X	1	1		E, SW						
SC	2025-06-04	Breeding Bird	PC25	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X		1		NE						
SC	2025-06-04	Breeding Bird	PC25	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X		1		NE						
SC	2025-06-04	Breeding Bird	PC25	10	NOWA	Northern Waterthrush	<i>Parkesia noveboracensis</i>	2		X	1	1		N, E						
SC	2025-06-04	Breeding Bird	PC25	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X	1			N						
SC	2025-06-04	Breeding Bird	PC25	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		X	1			NE						
SC	2025-06-04	Breeding Bird	PC25	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X	1			N						
SC	2025-06-04	Breeding Bird	PC26	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	2		X			2	NW	X					
SC	2025-06-04	Breeding Bird	PC26	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		X			2	E, SW	X					
SC	2025-06-04	Breeding Bird	PC26	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		X			1	SE	X					
SC	2025-06-04	Breeding Bird	PC26	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X			1	W	X					
SC	2025-06-04	Breeding Bird	PC26	10	OSFL	Olive-sided Flycatcher	<i>Contopus cooperi</i>	1	X	X		1		N	X					Singing about 4-5 times per minute. Stayed perched on snag for roughly 3 minutes before flying off NE.
SC	2025-06-04	Breeding Bird	PC26	10	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		X		1		N	X					
SC	2025-06-04	Breeding Bird	PC26	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	2		X		2		NE, E	X					
SC	2025-06-04	Breeding Bird	PC26	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X		1		NE	X					
SC	2025-06-04	Breeding Bird	PC26	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	3		X		3		SW, S, NW	X					
SC	2025-06-04	Breeding Bird	PC26	10	YBFL	Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>	1		X		1		S	X					
SC	2025-06-04	Breeding Bird	PC26	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	2	X	X	2			NW, E	X					Potential breeding pair - were interacting with one another, e.g., foraging together, singing and calling back and forth.
SC	2025-06-04	Breeding Bird	PC26	10	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	2	X	X	2			N, S	X					Heard one singing to N within wetland surrounding the PC. Later on during survey (maybe roughly 8 minute mark) another male CAWA appeared to the S singing and flying from perch to perch. The two CAWA continued to sing back and forth to one another for the remainder of the survey.
SC	2025-06-04	Breeding Bird	PC26	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X	1			W	X					
SC	2025-06-04	Breeding Bird	PC27	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2	X	X					X		X	75	N	
SC	2025-06-04	Breeding Bird	PC27	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1								X				
SC	2025-06-04	Breeding Bird	PC27	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X			1	W						
SC	2025-06-04	Breeding Bird	PC27	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	1		X			1	SW						
SC	2025-06-04	Breeding Bird	PC27	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		X	1		1	S, SE						Heard distantly singing. Possibly same individual as from PC26.
SC	2025-06-04	Breeding Bird	PC27	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	2		X			2	SW, NE						
SC	2025-06-04	Breeding Bird	PC27	10	OSFL	Olive-sided Flycatcher (SAR)	<i>Contopus cooperi</i>	1		X			1	S						Heard singing distantly. Possibly the same individual as from PC26.
SC	2025-06-04	Breeding Bird	PC27	10	AMRO	American Robin	<i>Turdus migratorius</i>	3		X		1	2	S, NE, N						
SC	2025-06-04	Breeding Bird	PC27	10	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1		X			1	N						
SC	2025-06-04	Breeding Bird	PC27	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	3	X	X	2		1	NW, W, SE						
SC	2025-06-04	Breeding Bird	PC27	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		X			1	W						
SC	2025-06-04	Breeding Bird	PC27	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X			1	W						
SC	2025-06-04	Breeding Bird	PC27	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	5		X	2	3		SW, NW, N, E						
SC	2025-06-04	Breeding Bird	PC27	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	1			S						
SC	2025-06-04	Breeding Bird	PC27	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X	1			SW						
SC	2025-06-04	Breeding Bird	PC27	10	YBFL	Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>	1	X	X	1			E						
SC	2025-06-04	Breeding Bird	PC29	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1		X			1	NW						
SC	2025-06-04	Breeding Bird	PC29	10	COLO	Common Loon	<i>Gavia immer</i>	1		X			1	SW						Heard singing distantly.
SC	2025-06-04	Breeding Bird	PC29	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	2		X			1	SW, N						
SC	2025-06-04	Breeding Bird	PC29	10	OSFL	Olive-sided Flycatcher (SAR)	<i>Contopus cooperi</i>	1		X			1	S						Similarly to at PC27, was heard singing in the distance. Possibly the same individual as PC27 and/or PC26.
SC	2025-06-04	Breeding Bird	PC29	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X		1		W						
SC	2025-06-04	Breeding Bird	PC29	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	5	X	X	3	2		SW, SE, E, N						All singing. Two seen fighting, likely guarding territory and competing during beginning of breeding season.
SC	2025-06-04	Breeding Bird	PC29	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2		X	2			W, SW						
SC	2025-06-04	Breeding Bird	PC29	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2	X	X	2			N, SW						
SC	2025-06-04	Breeding Bird	PC29	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	2		X	2			N, S						
SC	2025-06-04	Breeding Bird	PC34	10	CAGO	Canada Goose	<i>Branta canadensis</i>	1		X			1	NE						Heard honking distantly.
SC	2025-06-04	Breeding Bird	PC34	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1		X			1	SW						
SC	2025-06-04	Breeding Bird	PC34	10	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	2		X		2		E, SW						
SC	2025-06-04	Breeding Bird	PC34	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2	X	X	1	1		SE, E	X					
SC	2025-06-04	Breeding Bird	PC34	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X		1		SE	X					
SC	2025-06-04	Breeding Bird	PC34	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		X			1	SW	X					
SC	2025-06-04	Breeding Bird	PC34	10	LEFL	Least Flycatcher	<i>Empidonax minimus</i>	1		X		1		W						
SC	2025-06-04	Breeding Bird	PC34	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		X	1	1		NW, N						
SC	2025-06-04	Breeding Bird	PC34	10	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		X	1			NE	X					
SC	2025-06-04	Breeding Bird	PC34	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X	1			SE	X					
SC	2025-06-04	Breeding Bird	PC34	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X	1			SW	X					
SC	2025-06-04	Breeding Bird	PC34	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	1			SW	X					
SC	2025-06-04	Breeding Bird	PC35	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		X		1	1	N						
SC	2025-06-04	Breeding Bird	PC35	10	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	2		X		1	1	N, S						
SC	2025-06-04	Breeding Bird	PC35	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X			1	NW						
SC	2025-06-04	Breeding Bird	PC35	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X		1		W						
SC	2025-06-04	Breeding Bird	PC35	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	4		X	1	2	1	N, SW, E						
SC	2025-06-04	Breeding Bird	PC35	10	BOCH	Boreal Chickadee	<i>Poecile hudsonicus</i>	1		X		1		N						
SC	2025-06-04	Breeding Bird	PC35	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		X		1		SW						

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
SC	2025-06-04	Breeding Bird	PC35	10	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		X		1		SW						
SC	2025-06-04	Breeding Bird	PC35	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1				1		S						
SC	2025-06-04	Breeding Bird	PC35	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1		X		1		E						
SC	2025-06-04	Breeding Bird	PC35	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X	1			N						
SC	2025-06-04	Breeding Bird	PC35	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1	X	X	1			SE						Male seen singing and flying to perch atop spruce trees.
SC	2025-06-04	Breeding Bird	PC36	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X			1	NW						
SC	2025-06-04	Breeding Bird	PC36	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X			1	SW						
SC	2025-06-04	Breeding Bird	PC36	10	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1		X			1	SW						
SC	2025-06-04	Breeding Bird	PC36	10	AMRO	American Robin	<i>Turdus migratorius</i>	2		X		1	1	NE, NW						
SC	2025-06-04	Breeding Bird	PC36	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X		1		SW						
SC	2025-06-04	Breeding Bird	PC36	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X		1		SW						
SC	2025-06-04	Breeding Bird	PC36	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		X		1		E						
SC	2025-06-04	Breeding Bird	PC36	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X	1			NW						
SC	2025-06-04	Breeding Bird	PC36	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		X	1			W						
SC	2025-06-04	Breeding Bird	PC36	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X	1			W						
SC	2025-06-04	Breeding Bird	PC36	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		X	1			S						
SC	2025-06-04	Breeding Bird	PC36	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	1		X	1			E						
SC	2025-06-04	Breeding Bird	PC30	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1	X				1	NW						
SC	2025-06-04	Breeding Bird	PC30	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	2		X			2	SW, NE						
SC	2025-06-04	Breeding Bird	PC30	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X		1		SW						
SC	2025-06-04	Breeding Bird	PC30	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	3		X	2	1		NW, SW, SE						
SC	2025-06-04	Breeding Bird	PC30	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X	1			W						
SC	2025-06-04	Breeding Bird	PC30	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X		1		S						
SC	2025-06-04	Breeding Bird	PC30	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X	1			S						
SC	2025-06-04	Breeding Bird	PC30	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2	X	X	2			E						Appears to be breeding pair, as one BCCH (presumably female) was mimicking fledgling begging noises to get other BCCH (presumably male) to feed her.
SC	2025-06-04	Breeding Bird	PC33	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X			1	N						
SC	2025-06-04	Breeding Bird	PC33	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X			1	NE						
SC	2025-06-04	Breeding Bird	PC33	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	3		X	1	1	1	NW, W						
SC	2025-06-04	Breeding Bird	PC33	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X		1		NW						
SC	2025-06-04	Breeding Bird	PC33	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X		1		NE						
SC	2025-06-04	Breeding Bird	PC33	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	2		X	2			NE, SW						
SC	2025-06-04	Breeding Bird	PC33	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X	1			E						
BF	2025-06-30	Breeding Bird	PC53	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	3		X	2	1		SW, N, NE	1					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC53	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X	X			NW						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC53	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		X	X			N						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC53	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	1		X	X			N						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC53	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	2		X	X			NE, Nw						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC53	10	AMRO	American Robin	<i>Turdus migratorius</i>	2		X	X			W, NE						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC53	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		X	X			E						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC53	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	2		X	1	1		NE, E						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC53	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X		X		NW						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC53	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X		X		W						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC53	10	COLO	Common Loon	<i>Gavia immer</i>	1		X			X	SE						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC51	10	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	2		X	X			S	X					MBBA Code: T. Two males calling repeatedly, sounds like a male approaching anothers territory.Heard in ideal habitat. Dense shrubby understory of mixedwood treed/shrub swamp.
BF	2025-06-30	Breeding Bird	PC51	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X	X			N	X					MBBA Code: CF
BF	2025-06-30	Breeding Bird	PC51	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	2		1	1			W, E						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC51	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X				NE	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC51	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X	X			W						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC51	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X	X			S						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC51	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	3		2	1			SW, NE	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC51	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	X			W						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC51	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	1		X	X			SW						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC51	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		X	X			SE	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC50	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	3	X	X	X			N, S, SE	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC50	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	3		X	1	1	1	E, SW, SE	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC50	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	1		X	X			NE	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC50	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	2		X	X			N, SW	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC50	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	3		X	1	2		NW SW, S	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC50	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		X		X		E						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC50	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X	X			N	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC50	10	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		X	X			N	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC50	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		X	X			S						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC50	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	X			NW	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC50	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		X	X			N	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC50	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X		X		SW						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC50	10	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1		X	X			SE	X					MBBA Code: S, Potentially territorial song due to repetitiveness for duration of PC. In ideal breeding habitat
BF	2025-06-30	Breeding Bird	PC56	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	2		X	X			NW, E						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC56	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	2		X	X			NW, E						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC56	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	3		X	X			SW						MBBA Code: FY
BF	2025-06-30	Breeding Bird	PC56	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X	X			SW						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC56	10	BBWA	Bay-breasted Warbler	<i>Setophaga castanea</i>	1		X	X			W						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC56	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		X	X			SW						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC56	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X	X			W						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC56	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X		X		SW						MBBA Code: S

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Project # 24-10440

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
BF	2025-06-30	Breeding Bird	PC56	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	X			W						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC56	10	MOWA	Mourning Warbler	<i>Geothlypis philadelphia</i>	1		X	X			S						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC57	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	2		X	X			NE, SW	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC57	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	3		X	X			N, S, W						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC57	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		X		X		Sw						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC57	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X		X		S						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC57	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X	X			S						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC57	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	X			W						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC57	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X		X		SW						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC57	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X	X			W						MBBA Code: A
BF	2025-06-30	Breeding Bird	PC57	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	2		X	X			N, S						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC57	10	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1		X	X			E	X					MBBA Code: S. Singing from mature mixedwood treed swamp with moderately dense understory.
BF	2025-06-30	Breeding Bird	PC57	10	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		X	X			E	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC57	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X	X			SE	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC57	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1		X		X		SW						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC58	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1		X			X	SE						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC58	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		X	X			E						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC58	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X	X			SE	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC58	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X	X			N	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC58	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X	X			SE	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC58	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1		X			X	SE						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC58	10	RUBL	Rusty Blackbird (SAR)	<i>Euphagus carolinus</i>	2	X	X	X			E	X					MBBA Code: H or FY. Obserseed in lacutrine wetland. Male within 25 m easy to distinguish from grackle and replied to call playback. Territorial. Ideal habitat. Approx location here 45.610784°N 61.500558°W. Second male came in with the original and hung around with it before flying across the lake west to approx here 45.610313°N 61.501111°W staying within general area of observation. Second male was agitated to call play back. One may potentially be fledgling.
BF	2025-06-30	Breeding Bird	PC58	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1		X	X			E	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC58	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X	X			SE						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC58	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X	X			E	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC58	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1		X	X			E	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC58	10	YBSA	Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	1	X	X	X			E	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC46	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		X	X			N						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC46	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	3		X	X			N, SW						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC46	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1		X	X			W						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC46	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X		X		W						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC46	10	RWBL	Red-winged Blackbird	<i>Agelaius phoeniceus</i>	1		X			X	E						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC46	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	2		X	X			NW						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC46	10	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1		X	X			S	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC46	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X		X		SW	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC46	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X		X		SW	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC46	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	1		X	X			E						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC46	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1		X	X			SE						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC46	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X		X		W	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC46	10	YBFL	Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>	1		X		X		W	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC46	10	COLO	Common Loon	<i>Gavia immer</i>	1		X			X	NE						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC59	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X	X			E	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC59	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	2		X	X	X		S, E	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC59	10	YBFL	Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>	1		X	X			E	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC59	10	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1		X	X			See notes	X					MBBA Code: A/ Agitated attempting to distract me. Neat likely very close. Approximately here 45.609434°N 61.502157°W
BF	2025-06-30	Breeding Bird	PC58	10	COME	Common Merganser	<i>Mergus merganser</i>	1	X		X			SE		X				MBBA Code: H
BF	2025-06-30	Breeding Bird	PC52	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		X	X			SW	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC52	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X	X			W						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC52	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		X	X			SE	X					MBBA Code: H
BF	2025-06-30	Breeding Bird	PC52	10	WIWR	Winter Wren	<i>Troglodytes hiemalis</i>	1		X		X		SW						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC52	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1		X	X			E	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC52	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		X	X			S	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC52	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	X			SW						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC52	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X		X		NW						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC52	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X		X		SW						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC54	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	2		X	X			S, SE						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC54	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	X			W						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC54	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X	X			NW						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC54	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X	X			W						MBBA Code: S
BF	2025-06-30	Breeding Bird	PC54	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		X	X			E	X					MBBA Code: S
BF	2025-06-30	Breeding Bird	PC54	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		X	X			N						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC2	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2		X	X			N						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC2	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	2		X	X			W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC2	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	2		X		X		N, NW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC2	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	2		X		X		NW, SW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC2	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X	X			SE						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC2	10	WIWR	Winter Wren	<i>Troglodytes hiemalis</i>	1		X		X		N						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC2	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		X		X	X	W, E						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC2	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	2		X		X		NW						MBBA Code: S

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
BF	2025-07-03	Breeding Bird	PC2	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	2		X		X		NW, S						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC2	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X		X		W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC2	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		X		X		N						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC2	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X	X			W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC2	10	CORA	Common Raven	<i>Corvus corax</i>	1		X			X	N						MBBA Code: H
BF	2025-07-03	Breeding Bird	PC2	10	CSWA	Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>	1		X	X			S						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC3	10	NOWA	Northern Waterthrush	<i>Parkesia noveboracensis</i>	3		X	X			W, N, E	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC3	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		X	X			NE						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC3	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	2		X	X			N, E						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC3	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	2		X	X			E, S						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC3	10	YBSA	Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	1		X	X			NE						MBBA Code: H
BF	2025-07-03	Breeding Bird	PC3	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X	X			N						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC3	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X			X	NW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC3	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		X		X	X	NE, S						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC3	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	3		X	X			W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC3	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X	X			NW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC3	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X			X	S						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC3	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		X	X			W	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC3	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1	X	X	X			E						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC3	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	1		X	X			E						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC4	10	HOME	Hooded Merganser	<i>Lophodytes cucullatus</i>	6		X			X	NE						MBBA Code: FY, 3 femaleS, 4 duckling
BF	2025-07-03	Breeding Bird	PC4	10	YEWA	Yellow Warbler	<i>Setophaga petechia</i>	1		X	X			E						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC4	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X			X	W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC4	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	4		X	X			N						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC4	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1		X			X	SW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC4	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X			X	NW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC4	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2		X	X			N, W, E						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC4	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X				X	N					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC4	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X				X	NW					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC4	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X			X	S						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC4	10	YBSA	Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	1		X				X	NW					MBBA Code: H
BF	2025-07-03	Breeding Bird	PC4	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X			X	W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC4	10	LEFL	Least Flycatcher	<i>Empidonax minimus</i>	1		X			X	W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC4	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1		X			X	NE						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC4	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	1		X	X			W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC6	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	2		X	X			N						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC6	10	WISN	Wilson's Snipe	<i>Gallinago delicata</i>	1		X	X			N						MBBA Code: H
BF	2025-07-03	Breeding Bird	PC6	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	3		X	X			N, NW, S						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC6	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X	X			S						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC6	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	2		X	X			W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC6	10	RTHU	Ruby-throated Hummingbird	<i>Archilochus colubris</i>	1		X	X			N						MBBA Code: H
BF	2025-07-03	Breeding Bird	PC6	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X	X			N						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC6	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		X				NW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC6	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	1		X	X			W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC6	10	COLO	Common Loon	<i>Gavia immer</i>	1		X	X						X	X	S to N	
BF	2025-07-03	Breeding Bird	PC6	10	MOWA	Mourning Warbler	<i>Geothlypis philadelphia</i>	1		X	X			NW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC6	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	1		X	X			NW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC6	10	TRES	Tree Swallow	<i>Tachycineta bicolor</i>	1		X			X	E						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC6	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X			X	W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC6	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		X	X			W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC8	10	WIWR	Winter Wren	<i>Troglodytes hiemalis</i>	1		X				X	NE					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC8	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X	X			NE						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC8	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X			X	W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC8	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X	X			SW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC8	10	YBSA	Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	1		X			X	NE						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC8	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1		X	X			SW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC8	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X	X			SW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC8	10	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1		X		X		SE	X					MBBA Code: S, heard from wetland here 45.632245°N 61.474057°W. Mixed wood treed swamp with dense shrub edge near transmission line and clear cuts.
BF	2025-07-03	Breeding Bird	PC8	10	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		X	X			NW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC8	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	X			N						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC8	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	5		X	X			SE	X		4	0-50	S to N	MBBA Code: S
BF	2025-07-03	Breeding Bird	PC8	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X	X			NE						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC8	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1		X			X	NE						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC8	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		X	X			NW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC8	10	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	1		X	X			SW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC8	10	GBBG	Great Black-backed Gull	<i>Larus marinus</i>	2		X							2	0-50	S to N	MBBA Code: S
BF	2025-07-03	Breeding Bird	PC5	10	RWBL	Red-winged Blackbird	<i>Agelaius phoeniceus</i>	3		X	X			N, S	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC5	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	4		X	X			N	X					MBBA Code: H
BF	2025-07-03	Breeding Bird	PC5	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	X			NE	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC5	10	CORA	Common Raven	<i>Corvus corax</i>	1		X				S						MBBA Code: H
BF	2025-07-03	Breeding Bird	PC5	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X			X	W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC5	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1		X	X			NW	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC5	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		X	X			W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC5	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1		X			X	N	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC5	10	DOWO	Downy Woodpecker	<i>Picoides pubescens</i>	1		X	X			N	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC5	10	TRES	Tree Swallow	<i>Tachycineta bicolor</i>	1		X			X	N	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC5	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X			X	W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC5	10	RNDU	Ring-necked Duck	<i>Aythya collaris</i>	7		X			X	N	X					MBBA Code: FY (6)
BF	2025-07-03	Breeding Bird	PC5	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	2		X	X			W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC5	10	BRCR	Brown Creeper	<i>Certhia americana</i>	1		X			X	SW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC5	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1		X			X	NW	X					MBBA Code: S

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
BF	2025-07-03	Breeding Bird	PC5	10	BLJA	Blue Jay	Cyanocitta cristata	1		X		X		SW						MBBA Code: H
BF	2025-07-03	Breeding Bird	PC5	10	MAWA	Magnolia Warbler	Setophaga magnolia	1		X		X		NW	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC7	10	MAWA	Magnolia Warbler	Setophaga magnolia	1		X	X			NE						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC7	10	BTNW	Black-throated Green Warbler	Setophaga virens	2		X	X			N, W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC7	10	HETH	Hermit Thrush	Catharus guttatus	2		X	X	X		W, S						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC7	10	REVI	Red-eyed Vireo	Vireo olivaceus	1		X	X			N						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC7	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	1		X	X			NW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC7	10	BAWW	Black-and-white Warbler	Mniotilta varia	1		X	X			W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC7	10	NOFL	Northern Flicker	Colaptes auratus	1		X	X			S						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC7	10	COYE	Common Yellowthroat	Geothlypis trichas	1		X		X		NW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC7	10	COLO	Common Loon	Gavia immer	1		X			X	S						
BF	2025-07-03	Breeding Bird	PC7	10	HAWO	Hairy Woodpecker	Dryobates villosus	1		X	X			SE						MBBA Code: H
BF	2025-07-03	Breeding Bird	PC7	10	NOPA	Northern Parula	Setophaga americana	1		X		X		W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC7	10	CORA	Common Raven	Corvus corax	1		X			X	SW						MBBA Code: H
BF	2025-07-03	Breeding Bird	PC9	10	MAWA	Magnolia Warbler	Setophaga magnolia	2		X	X			S	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC9	10	REVI	Red-eyed Vireo	Vireo olivaceus	2		X	X			N						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC9	10	BAWW	Black-and-white Warbler	Mniotilta varia	1		X	X			SE						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC9	10	HETH	Hermit Thrush	Catharus guttatus	1		X				NW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC9	10	OVEN	Ovenbird	Seiurus aurocapilla	1		X		X		SW	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC9	10	NOFL	Northern Flicker	Colaptes auratus	1		X	X			W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC9	10	AMRE	American Redstart	Setophaga ruticilla	1		X	X			NE						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC9	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	1		X		X		W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC9	10	HAWO	Hairy Woodpecker	Dryobates villosus	1		X	X			S	X					MBBA Code: H
BF	2025-07-03	Breeding Bird	PC10	10	MAWA	Magnolia Warbler	Setophaga magnolia	2		X	X			SW	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC10	10	COYE	Common Yellowthroat	Geothlypis trichas	2		X	X			S	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC10	10	NOFL	Northern Flicker	Colaptes auratus	1		X	X			NW						MBBA Code: H
BF	2025-07-03	Breeding Bird	PC10	10	SOSP	Song Sparrow	Melospiza melodia	1		X	X			S						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC10	10	ALFL	Alder Flycatcher	Empidonax alinorum	1		X	X			NE	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC10	10	BAWW	Black-and-white Warbler	Mniotilta varia	1		X	X			S						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC10	10	REVI	Red-eyed Vireo	Vireo olivaceus	1		X		X		N						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC10	10	SWTH	Swainson's Thrush	Catharus ustulatus	1		X		X		SW						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC10	10	AGOL	American Goldfinch	Spinus tristis	1		X	X			W						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC10	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	1		X	X			E						MBBA Code: S
BF	2025-07-03	Breeding Bird	PC11	10	OSFL	Olive-sided Flycatcher (SAR)	Contopus cooperi	1		X			X	SW	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC11	10	COYE	Common Yellowthroat	Geothlypis trichas	2		X		X		W, SE	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC11	10	SWSP	Swamp Sparrow	Melospiza georgiana	2		X	X			S	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC11	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	2		X		X		W	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC11	10	REVI	Red-eyed Vireo	Vireo olivaceus	2		X		X		SW	X					MBBA Code: S
BF	2025-07-03	Breeding Bird	PC11	10	NOFL	Northern Flicker	Colaptes auratus	1		X		X		W	X					MBBA Code: H
BF	2025-07-03	Breeding Bird	PC11	10	CEDW	Cedar Waxwing	Bombycilla cedrorum	3		X	X			NE	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC47	10	MAWA	Magnolia Warbler	Setophaga magnolia	2		X	X			N, W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC47	10	COYE	Common Yellowthroat	Geothlypis trichas	2		X		X		N, W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC47	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	3		X		X		NW, SW						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC47	10	HETH	Hermit Thrush	Catharus guttatus	1		X	X			W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC47	10	ALFL	Alder Flycatcher	Empidonax alinorum	1		X	X			SW						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC47	10	REVI	Red-eyed Vireo	Vireo olivaceus	1		X		X		W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC47	10	NAWA	Nashville Warbler	Leiothlypis rufigapilla	1		X	X			W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC47	10	MOWA	Mourning Warbler	Geothlypis philadelphia	1		X	X			SW						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC47	10	SWTH	Swainson's Thrush	Catharus ustulatus	1		X		X		SW						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC47	10	BOCH	Boreal Chickadee	Poecile hudsonicus	1		X	X			SE						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC47	10	BAWW	Black-and-white Warbler	Mniotilta varia	1		X	X			E	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC48	10	CHSP	Chipping Sparrow	Spizella passerina	1		X	X			S	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC48	10	PAWA	Palm Warbler	Setophaga palmarum	1		X	X			E	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC48	10	MAWA	Magnolia Warbler	Setophaga magnolia	3		X	X			N, SW, NW	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC48	10	HETH	Hermit Thrush	Catharus guttatus	1		X	X			W	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC48	10	RCKI	Ruby-crowned Kinglet	Corthylio calendula	1		X	X			S	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC48	10	COYE	Common Yellowthroa	Geothlypis trichas	1		X	X			NE						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC48	10	REVI	Red-eyed Vireo	Vireo olivaceus	1		X	X			NE						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC48	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	2		X	X	X		NE, SW	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC48	10	SWSP	Swamp Sparrow	Melospiza georgiana	1		X	X			W	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC48	10	YRWA	Yellow-rumped Warbler	Setophaga coronata	1		X	X			W	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC48	10	PUFI	Purple Finch	Haemorhous purpureus	1		X	X			NE						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC44	10	YBFL	Yellow-bellied Flycatcher	Empidonax flaviventris	1		X	X			NW						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC44	10	SWTH	Swainson's Thrush	Catharus ustulatus	1		X	X			W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC44	10	WIWR	Winter Wren	Troglodytes hiemalis	1		X		X		SE						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC44	10	REVI	Red-eyed Vireo	Vireo olivaceus	1		X	X			E						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC44	10	BTNW	Black-throated Green Warbler	Setophaga virens	1		X	X			SE						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC44	10	OVEN	Ovenbird	Seiurus aurocapilla	1		X	X			W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC44	10	MAWA	Magnolia Warbler	Setophaga magnolia	2		X	X			NE, W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC44	10	AMRE	American Redstart	Setophaga ruticilla	1		X	X			E			X	0-50	Sw to NE	MBBA Code: S
BF	2025-07-04	Breeding Bird	PC44	10	COLO	Common Loon	Gavia immer	2		X			X	SE						
BF	2025-07-04	Breeding Bird	PC44	10	BAWW	Black-and-white Warbler	Mniotilta varia	1		X	X			N						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC43	10	MAWA	Magnolia Warbler	Setophaga magnolia	3		X	X	1	1	W, NE, SE						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC43	10	REVI	Red-eyed Vireo	Vireo olivaceus	2		X		X		SE, W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC43	10	SWTH	Swainson's Thrush	Catharus ustulatus	1		X				E						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC43	10	SWSP	Swamp Sparrow	Melospiza georgiana	2		X		X		SE, W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC43	10	COYE	Common Yellowthroat	Geothlypis trichas	2		X		X		SE, W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC43	10	RCKI	Ruby-crowned Kinglet	Corthylio calendula	1		X			X	W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC43	10	YRWA	Yellow-rumped Warbler	Setophaga coronata	2		X		1	1	SE, W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC43	10	WTSP	White-throated Sparrow	Zonotrichia albicollis	1		X			X	W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC43	10	BAWW	Black-and-white Warbler	Mniotilta varia	1		X	X			E						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC43	10	SOSP	Song Sparrow	Melospiza melodia	1		X		X		SE						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC43	10	RWBL	Red-winged Blackbird	Agelaius phoeniceus	1		X				W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC43	10	YBSA	Yellow-bellied Sapsucker	Sphyrapicus varius	1		X			X	W						MBBA Code: S

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Project # 24-10440

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
BF	2025-07-04	Breeding Bird	PC43	10	CORA	Common Raven	<i>Corvus corax</i>	1		X			X	N						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC42	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	3		X	2	1		NW, N,E						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC42	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	X			S						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC42	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	2		X	X			SE, SW						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC42	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X			X	SW						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC42	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		X	X			N, SE						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC42	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X			X	E	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC42	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	2		X		X		W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC42	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	1		X		S		W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC41	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X		X		W	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC41	10	COLO	Common Loon	<i>Gavia immer</i>	2		X			1	SW		1	0-50	S to N		MBBA Code: S
BF	2025-07-04	Breeding Bird	PC41	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	X			NE	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC41	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1		X	X			N	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC41	10	SPSA	Spotted Sandpiper	<i>Actitis macularius</i>	1		X	X			At PC	X					MBBA Code: NE
BF	2025-07-04	Breeding Bird	PC41	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2		X	X			W	X		X	0-50	S to N	MBBA Code: S
BF	2025-07-04	Breeding Bird	PC41	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		X		X		W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC41	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	2		X	X			N, S	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC41	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2		X	1	1		NE, W	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC41	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X		X		W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC41	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X			X	NW						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC41	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X		X		W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC41	10	OSFL	Olive-sided Flycatcher (SAR)	<i>Contopus cooperi</i>	1		X			X	NW	X					MBBA Code: S.
BF	2025-07-04	Breeding Bird	PC41	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X			X	E						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC41	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X			X	SW						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC45	10	YBFL	Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>	1		X	X			N	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC45	10	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1		X		X		NW	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC45	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X		X		NE	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC45	10	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1		X	X			N						MBBA Code: T
BF	2025-07-04	Breeding Bird	PC45	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X	X			NE						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC45	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X		X		N						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC45	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		X		X		S						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC45	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X		X		S						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC45	10	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1		X	X			At Pc	X					MBBA Code: H, S. Calling repetively. Singining once. Came up from wetland
BF	2025-07-04	Breeding Bird	PC45	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	X			E	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC45	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X	X			NE	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC37	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		X	X			W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC37	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	2		X	X			SE, NE						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC37	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	2		X	X			S, NE						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC37	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X	X			W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC37	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	1		X	X			E						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC37	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X	X			NW						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC37	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X		X		E						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC37	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1		X	X			SE						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC37	10	AMRO	American Robin	<i>Turdus migratorius</i>	1		X	X			E						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC37	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2		X	X			S						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC37	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	X			S						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC37	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X	X			SE						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC38	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X		X		E	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC38	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X		X		E, NE	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC38	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1		X		X		NW						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC38	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		X		X		E	X					MBBA Code: S
BF	2025-07-04	Breeding Bird	PC38	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	X			W						MBBA Code: S
BF	2025-07-04	Breeding Bird	PC38	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	2		X	1	1								

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	mawa	Magnolia Warbler	<i>Setophaga magnolia</i>	16	2	14	5	7	4							
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	nawa	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	8		8	2	2	4							
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	nofl	Northern Flicker	<i>Colaptes auratus</i>	3		3	1	2								
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	hawo	Hairy Woodpecker	<i>Dryobates villosus</i>	1		1	1									
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	deju	Dark-eyed Junco	<i>Junco hyemalis</i>	6		6	2	3	1							
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	swsp	Swamp Sparrow	<i>Melospiza georgiana</i>	1		1	1									
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	wtsp	White-throated Sparrow	<i>Zonotrichia albicollis</i>	15		15	5	5	5							
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	sosp	Song Sparrow	<i>Melospiza melodia</i>	1		1	1									
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	amro	American Robin	<i>Turdus migratorius</i>	4	2	2	2	2								
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	heth	Hermit Thrush	<i>Catharus guttatus</i>	11		11	2	6	3							
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	swth	Swainson's Thrush	<i>Catharus ustulatus</i>	4		4	2	2								
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	pufi	Purple Finch	<i>Haemorhous purpureus</i>	2		2	2									
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	agol	American Goldfinch	<i>Spinus tristis</i>	2		2	2									
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	baww	Black-and-white Warbler	<i>Mniotilta varia</i>	9	2	7	4	3								
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	coye	Common Yellowthroat	<i>Geothlypis trichas</i>	8	1	7	5	3								
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	4		4	3	1								
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	piwo	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		1		1								
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	oven	Ovenbird	<i>Seiurus aurocapilla</i>	5		5	2	2	1							
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	4		4	4									
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	alfl	Alder Flycatcher	<i>Empidonax alnorum</i>	4		4	4									
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	lefl	Least Flycatcher	<i>Empidonax minimus</i>	2		2	2									
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	1		1	1									
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	2		2	2			Y						
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	OSFL	Olive-sided Flycatcher (SAR)	<i>Contopus cooperi</i>	1		1	1									
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	12		12	4	8								
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	4		4	1	3								
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	NOFL	Northern Flicker	<i>Colaptes auratus</i>	2		2	2									
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1		1	1									
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	10		10	5	5								
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	15		15	11	4								
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	SOSP	Song Sparrow	<i>Melospiza melodia</i>	2		2	2									
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	AMRO	American Robin	<i>Turdus migratorius</i>	5		5	2	3								
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	4		4	2	2								
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		1	1									
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	6	1	5	5	1								
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	4	1	3	3	1								
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	5		5	5									
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	5		5	3	2								
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2		2	2									
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	2	2		2									
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1		1	1									
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	7		7	5	2								
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	6		6	3	3								
LL	2025-07-04	Breeding Bird Area Search	AS2	1 hour 31 min	HETH	Hermit Thrush	<i>Catharus guttatus</i>	9		9	4	3	2							
LL	2025-06-05	Breeding Bird Area Search	AS1	1 hour, 39 minutes	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	5		5	5									
LL	2025-06-05	Breeding Bird Area Search	AS1	1 hour, 39 minutes	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	5	2	3	5									
LL	2025-06-05	Breeding Bird Area Search	AS1	1 hour, 39 minutes	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	8		8	4	2	2							
LL	2025-06-05	Breeding Bird Area Search	AS1	1 hour, 39 minutes	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	2		2		2								
LL	2025-06-05	Breeding Bird Area Search	AS1	1 hour, 39 minutes	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	15	4	11	6	3	2							
LL	2025-06-05	Breeding Bird Area Search	AS1	1 hour, 39 minutes	ALFL	Alder Flycatcher	<i>Empidonax alnorum</i>	6		6	4	2								
LL	2025-06-05	Breeding Bird Area Search	AS1	1 hour, 39 minutes	NOFL	Northern Flicker	<i>Colaptes auratus</i>	2		2		2								
LL	2025-06-05	Breeding Bird Area Search	AS1	1 hour, 39 minutes	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	2		2		2								
LL	2025-06-05	Breeding Bird Area Search	AS1	1 hour, 39 minutes	YBSA	Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	2	1	1	1	1								

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Project # 24-10440

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
LL	2025-06-06	Breeding Bird Area Search	AS2	1 hour, 27 minutes	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1		1		1								
LL	2025-06-06	Breeding Bird Area Search	AS2	1 hour, 27 minutes	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		1		1								
LL	2025-06-06	Breeding Bird Area Search	AS2	1 hour, 27 minutes	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	18	6	12	8	8	2							
LL	2025-06-06	Breeding Bird Area Search	AS2	1 hour, 27 minutes	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	10		10	4	6								
LL	2025-06-06	Breeding Bird Area Search	AS2	1 hour, 27 minutes	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	5	2	3	2	3								
LL	2025-06-06	Breeding Bird Area Search	AS2	1 hour, 27 minutes	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	3		3		2	1							
LL	2025-06-06	Breeding Bird Area Search	AS2	1 hour, 27 minutes	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	2		2		1	1							
LL	2025-06-06	Breeding Bird Area Search	AS2	1 hour, 27 minutes	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	8	2	6	4	4								
LL	2025-06-06	Breeding Bird Area Search	AS2	1 hour, 27 minutes	OSFL	Olive-sided Flycatcher (SAR)	<i>Contopus cooperi</i>	1	1		1			W	Yes					Territorial male.
LL	2025-06-06	Breeding Bird Area Search	AS2	1 hour, 27 minutes	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	2		2	1	1		E, N	Yes					S, One in beautiful expansive wetland on the PC52 side, one in quite unappealing CAWA habitat deep in the woods, but adjacent to small wetland on opposite side.
LL	2025-06-06	Breeding Bird Area Search	AS2	1 hour, 27 minutes	LISP	Lincoln's Sparrow	<i>Melospiza lincolni</i>	1		1		1								
LL	2025-06-06	Breeding Bird Area Search	AS2	1 hour, 27 minutes	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	4		4		2	2							
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	CANG	Canada Goose	<i>Branta canadensis</i>	23	X	X	9	11	3							Two breeding pairs with chicks. One breeding pair had one chick. Other breeding pair had seven chicks - one of which they clearly adopted as it was not the same age as its siblings. Three geese flocking in the Strait, the rest, including those with chicks, were observed in the pond.
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	DCCO	Double-crested Cormorant	<i>Nannopterum auritum</i>	14	X	X		7	7							Resting on rocks in pond and on coastline. Some foraging in both marine and pond water.
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	AHGU	American Herring Gull	<i>Larus smithsonianus</i>	4	X	X		2	2							Three juveniles, one adult in breeding plumage.
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	2		X	1	1								
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2	X	X	2									
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1		X	1									
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	SAVS	Savannah Sparrow	<i>Passerculus sandwichensis</i>	1		X		1								
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	3		X	2	1								
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	SOSP	Song Sparrow	<i>Melospiza melodia</i>	8	X	X	6	2								
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	AMRO	American Robin	<i>Turdus migratorius</i>	12	X	X	8	2	2							
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	RBNU	Red-breasted Nuthatch	<i>Sitta canadensis</i>	2	X		2									
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	SPSA	Spotted Sandpiper	<i>Actitis macularius</i>	9	X	X	1	5	3							Seen foraging along pond and Strait coasts. Seems to favour sheltering on islands within the pond.
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	ABDU	American Black Duck	<i>Anas rubripes</i>	12	X			7	5							Flock of 5 adults seen taking off from lake. Mother with six chicks later observed foraging on pond near the shoreline bordering the highway.
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	BARS	Barn Swallow (SAR)	<i>Hirundo rustica</i>	2	X	X	2									Pair chasing one another and foraging over pond, especially near the Coastal Motel.
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	TRES	Tree Swallow	<i>Tachycineta bicolor</i>	2	X		2									Seen foraging over pond and coastline.
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	AGOL	American Goldfinch	<i>Spinus tristis</i>	5	X	X	2	3								
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	YEWA	Yellow Warbler	<i>Setophaga petechia</i>	4	X	X	1	3								
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	HOME	Hooded Merganser	<i>Lophodytes cucullatus</i>	2	X				2							Breeding pair foraging in pond.
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	7	X			7								
SC	2025-06-03	Breeding Bird	Archie's Pond/Coast	120	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	22	X	X		22					X	50	NW	Small flock all seen together near highway.
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	3		X		3			X					
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	9	X	X	3	2	4		X					
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	3		X			3		X					
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	12	X	X	6	4	2		X					Encountered two aggressive pairs, likely performing DD near potential nests.
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	AGOL	American Goldfinch	<i>Spinus tristis</i>	2	X	X	2				X					
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	7	X	X	7				X					Seen all together in flock.
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	AMRO	American Robin	<i>Turdus migratorius</i>	1		X	1				X					
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2		X	2				X					DD - seemed highly agitated by observer presence, briefly followed observer and were chirping consistently the whole time.
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	3		X		3			X					
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	LEFL	Least Flycatcher	<i>Empidonax minimus</i>	3		X		3			X					
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	2	X	X	1	1			X					DD - encountered agitated male chirping and singing who came within 5 m of observer.
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1	X	X	1				X					
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1	X	X	1				X					Male singing and acting aggressive towards observer. On border of unmapped wetland close to large mapped wetland complex. NOTE completed avian incidental report on this observation.
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	4	X	X	4				X					
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	YBFL	Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>	1		X		1			X					
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	2				2			X					
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	OSFL	Olive-sided Flycatcher (SAR)	<i>Contopus cooperi</i>	1							X					
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	CONI	Common Nighthawk (SAR)	<i>Chordeiles minor</i>	1	X	X		1	1		X					Heard very distantly in direction of nearest lake. NOTE completed avian incidental report on this observation.
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	1	X			1			X					Seen circling over forest and wetland complex. Observed close to noon at peak temperatures (roughly 30 C). Circling and calling multiple times. NOTE completed avian incidental report on this observation.
SC	2025-06-04	Breeding Bird Area Search	June4 AS	130	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1	X	X		1			X					
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	AMKE	American Kestrel	<i>Falco sparverius</i>	1	X						X					MBBA Code: H

Table 4: 2025 Breeding Bird Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Observed in or near Wetland?	Incidental	Flyover	Flyover Height (m)	Passage Direction	Comments
											<50 m	50 - 100 m	100 m +							
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	WISN	Wilson's Snipe	<i>Gallinago delicata</i>	2	X						X					MBBA Code: FY(1)
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1		X					X					MBBA Code: H
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	3		X					2					MBBA Code: S
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1		X										MBBA Code: S
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	4		X					1					MBBA Code: S
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	8		X										MBBA Code: S
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	NOFL	Northern Flicker	<i>Colaptes auratus</i>	2		X										MBBA Code: S
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1		X					1					MBBA Code: H
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	1		X										MBBA Code: S
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X										MBBA Code: S
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	4		X					X					MBBA Code: S
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1		X										MBBA Code: S
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	NOWA	Northern Waterthrush	<i>Parkesia noveboracensis</i>	2		X					X					MBBA Code: S
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	2		X										MBBA Code: S
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		X										MBBA Code: A
BF	2025-07-04	Breeding Bird Area Search	BF Area Search 2	90	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	1		X					X					MBBA Code: S
BF	2025-07-04	Breeding Bird Area Search	BF Area Search 2	90	HETH	Hermit Thrush	<i>Catharus guttatus</i>	3		X					X					MBBA Code: S
BF	2025-07-04	Breeding Bird Area Search	BF Area Search 2	90	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	9		X					X					MBBA Code: S
BF	2025-07-04	Breeding Bird Area Search	BF Area Search 2	90	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	8		X					X					MBBA Code: S
BF	2025-07-04	Breeding Bird Area Search	BF Area Search 2	90	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	3		X					X					MBBA Code: S
BF	2025-07-04	Breeding Bird Area Search	BF Area Search 2	90	BOCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X					X					MBBA Code: S
BF	2025-07-04	Breeding Bird Area Search	BF Area Search 2	90	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		X					X					MBBA Code: H
BF	2025-07-04	Breeding Bird Area Search	BF Area Search 2	90	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	5		X					X					MBBA Code: S
BF	2025-07-04	Breeding Bird Area Search	BF Area Search 2	90	AGOL	American Goldfinch	<i>Spinus tristis</i>	1		X					X					MBBA Code: S
BF	2025-07-04	Breeding Bird Area Search	BF Area Search 2	90	NAWA	Nashville Warbler	<i>Leiothlypis rufigapilla</i>	4		X					X					MBBA Code: T
BF	2025-07-04	Breeding Bird Area Search	BF Area Search 2	90	RCKI	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	1		X					X					MBBA Code: S
BF	2025-07-04	Breeding Bird Area Search	BF Area Search 2	90	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X					X					MBBA Code: A
BF	2025-07-04	Breeding Bird Area Search	BF Area Search 2	90	CHSP	Chipping Sparrow	<i>Spizella passerina</i>	2		X					X					MBBA Code: S
BF	2025-07-04	Breeding Bird Area Search	BF Area Search 2	90	AMKE	American Kestrel	<i>Falco sparverius</i>	1	X						X					MBBA Code: H
BF	2025-07-04	Breeding Bird Area Search	BF Area Search 2	90	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	2		X					X					MBBA Code: S
BF	2025-07-04	Breeding Bird Area Search	BF Area Search 2	90	AMRE	American Redstart	<i>Setophaga ruticilla</i>	2		X					X					MBBA Code: S
BF	2025-07-04	Breeding Bird Area Search	BF Area Search 2	90	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2		X					X					MBBA Code: S
BF	2025-07-04	Breeding Bird Area Search	BF Area Search 2	90	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2		X					X					MBBA Code: H
LL	2025-06-05	Breeding Bird Area Search	AS1	1 hour, 39 minutes	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1		X	X			W						Wetland with clearcut surrounding. Some small spruce nearby but sparsely treed overall. However, sufficient deep wetland with seemingly no annual fluctuation. Fern layer and alders.
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	SPSA	Spotted Sandpiper	<i>Actitis macularius</i>	1						S						Spotted sandpiper observed and heard calling from marsh wetland.
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1	X	X				W						Male Canada warbler observed in ideal breeding habitat. Treed swamp with mixed wood trees, patches of dense shrubs and heavy tall fern cover.
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	2	X	X										Pair of agitated Canada warblers observed in ideal habitat. Nest likely in wetland.
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1												Agitated male observed within wetland. Probable breeding. Nest likely nearby as bird followed me chipping.
BF	2025-07-03	Breeding Bird Area Search	BF Area Search 1	75	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1	X	X										Male observed agitated calling repeatedly flying around observer. Nest likely nearby.
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	CONI	Common Nighthawk (SAR)	<i>Chordeiles minor</i>	1	X	X										Adult on NEST. unknown how many eggs inside ground nest, did not want to approach to encroach. Incredible wing display on a low perched to scare me away
LL	2025-07-03	Breeding Bird Area Search	AS1	1 hour 37 min	OSFL	Olive-sided Flycatcher	<i>Contopus cooperi</i>	1	X	X										Continuing male here for a month. Almost certainly breeding.

Table 5: 2025 Breeding Bird Survey Results Summary - Aulds Cove Wind Project

Project #24-10440

Common Name	Scientific Name	COSEWIC	SARA	ESA	ACCDC S-Rank	Count
Alder Flycatcher	<i>Empidonax alnorum</i>	Not Listed	Not Listed	Not Listed	S5B	65
American Black Duck	<i>Anas rubripes</i>	Not Listed	Not Listed	Not Listed	S5B,S5N	12
American Crow	<i>Corvus brachyrhynchos</i>	Not Listed	Not Listed	Not Listed	S5	43
American Goldfinch	<i>Spinus tristis</i>	Not Listed	Not Listed	Not Listed	S5	58
American Herring Gull	<i>Larus argentatus</i>	Not Listed	Not Listed	Not Listed	S5	4
American Kestrel	<i>Falco sparverius</i>	Not Listed	Not Listed	Not Listed	S3B,S4S5M	2
American Redstart	<i>Setophaga ruticilla</i>	Not Listed	Not Listed	Not Listed	S5B	44
American Robin	<i>Turdus migratorius</i>	Not Listed	Not Listed	Not Listed	S5B,S3N	139
Bald Eagle	<i>Haliaeetus leucocephalus</i>	Not at Risk	Not Listed	Not Listed	S5	6
Barn Swallow	<i>Hirundo rustica</i>	Special Concern	Threatened	Endangered	S3B	2
Bay-breasted Warbler	<i>Setophaga castanea</i>	Not Listed	Not Listed	Not Listed	S3S4B,S4S5M	3
Belted Kingfisher	<i>Megasceryle alcyon</i>	Not Listed	Not Listed	Not Listed	S4S5B	4
Black-and-white Warbler	<i>Mniotilta varia</i>	Not Listed	Not Listed	Not Listed	S5B	134
Blackburnian Warbler	<i>Setophaga fusca</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	12
Black-capped Chickadee	<i>Poecile atricapillus</i>	Not Listed	Not Listed	Not Listed	S5	68
Blackpoll Warbler	<i>Setophaga striata</i>	Not Listed	Not Listed	Not Listed	S3B,S5M	1
Black-throated Green Warbler	<i>Setophaga virens</i>	Not Listed	Not Listed	Not Listed	S5B	119
Blue Jay	<i>Cyanocitta cristata</i>	Not Listed	Not Listed	Not Listed	S5	16
Blue-headed Vireo	<i>Vireo solitarius</i>	Not Listed	Not Listed	Not Listed	S5B	46
Boreal Chickadee	<i>Poecile hudsonicus</i>	Not Listed	Not Listed	Not Listed	S3	4
Brown Creeper	<i>Certhia americana</i>	Not Listed	Not Listed	Not Listed	S5	2
Canada Goose	<i>Branta canadensis</i>	Not Listed	Not Listed	Not Listed	SUB,S4N,S5M	27
Canada Jay	<i>Perisoreus canadensis</i>	Not Listed	Not Listed	Not Listed	S3	4
Canada Warbler	<i>Cardellina canadensis</i>	Special Concern	Threatened	Endangered	S3B	36
Cape May Warbler	<i>Setophaga tigrina</i>	Not Listed	Not Listed	Not Listed	S3B,SUM	2
Cedar Waxwing	<i>Bombicilla cedrorum</i>	Not Listed	Not Listed	Not Listed	S5B	121
Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>	Not Listed	Not Listed	Not Listed	S5B	7
Chipping Sparrow	<i>Spizella passerina</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	4
Common Grackle	<i>Quiscalus quiscula</i>	Not Listed	Not Listed	Not Listed	S5B	20
Common Loon	<i>Gavia immer</i>	Not at Risk	Not Listed	Not Listed	S4B	16
Common Merganser	<i>Mergus merganser</i>	Not Listed	Not Listed	Not Listed	S5B,S4N	1
Common Nighthawk	<i>Chordeiles minor</i>	Special Concern	Special Concern	Threatened	S3B	2
Common Raven	<i>Corvus corax</i>	Not Listed	Not Listed	Not Listed	S5	13
Common Tern	<i>Sterna hirundo</i>	Not at Risk	Not Listed	Not Listed	S3B	2
Common Yellowthroat	<i>Geothlypis trichas</i>	Not Listed	Not Listed	Not Listed	S5B	164
Dark-eyed Junco	<i>Junco hyemalis</i>	Not Listed	Not Listed	Not Listed	S4S5	73
Double-crested Cormorant	<i>Nannopterum auritum</i>	Not at Risk	Not Listed	Not Listed	S5B	14
Downy Woodpecker	<i>Dryobates pubescens</i>	Not Listed	Not Listed	Not Listed	S5	1
Eastern Wood-Pewee	<i>Contopus virens</i>	Special Concern	Special Concern	Vulnerable	S3S4B	3
Golden-crowned Kinglet	<i>Regulus satrapa</i>	Not Listed	Not Listed	Not Listed	S5	58
Great Black-backed Gull	<i>Larus marinus</i>	Not Listed	Not Listed	Not Listed	S4S5	2
Hairy Woodpecker	<i>Dryobates villosus</i>	Not Listed	Not Listed	Not Listed	S5	27

Table 5: 2025 Breeding Bird Survey Results Summary - Aulds Cove Wind Project

Project #24-10440

Common Name	Scientific Name	COSEWIC	SARA	ESA	ACCDC S-Rank	Count
Hermit Thrush	<i>Catharus guttatus</i>	Not Listed	Not Listed	Not Listed	S5B	109
Hooded Merganser	<i>Lophodytes cucullatus</i>	Not Listed	Not Listed	Not Listed	S4S5B,S5M	9
Least Flycatcher	<i>Empidonax minimus</i>	Not Listed	Not Listed	Not Listed	S4S5B,S5M	18
Lincoln's Sparrow	<i>Melospiza lincolnii</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	2
Magnolia Warbler	<i>Setophaga magnolia</i>	Not Listed	Not Listed	Not Listed	S5B	212
Mourning Dove	<i>Zenaida macroura</i>	Not Listed	Not Listed	Not Listed	S5	2
Mourning Warbler	<i>Geothlypis philadelphia</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	8
Nashville Warbler	<i>Leiothlypis ruficapilla</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	50
Northern Flicker	<i>Colaptes auratus</i>	Not Listed	Not Listed	Not Listed	S5B	43
Northern Harrier	<i>Circus hudsonius</i>	Not at Risk	Not Listed	Not Listed	S4B,S4S5M	1
Northern Parula	<i>Setophaga americana</i>	Not Listed	Not Listed	Not Listed	S5B	46
Northern Waterthrush	<i>Parkesia noveboracensis</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	14
Olive-sided Flycatcher	<i>Contopus cooperi</i>	Special Concern	Special Concern	Threatened	S3B	19
Osprey	<i>Pandion haliaetus</i>	Not Listed	Not Listed	Not Listed	S4S5B,S5M	2
Ovenbird	<i>Seiurus aurocapilla</i>	Not Listed	Not Listed	Not Listed	S5B	113
Palm Warbler	<i>Setophaga palmarum</i>	Not Listed	Not Listed	Not Listed	S5B	42
Pileated Woodpecker	<i>Dryocopus pileatus</i>	Not Listed	Not Listed	Not Listed	S5	9
Pine Siskin	<i>Spinus pinus</i>	Not Listed	Not Listed	Not Listed	S3	2
Purple Finch	<i>Haemorhous purpureus</i>	Not Listed	Not Listed	Not Listed	S4S5B,S3S4N,S5M	39
Red-breasted Nuthatch	<i>Sitta canadensis</i>	Not Listed	Not Listed	Not Listed	S4S5	8
Red-eyed Vireo	<i>Vireo olivaceus</i>	Not Listed	Not Listed	Not Listed	S5B	122
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	Not Listed	Not Listed	Not Listed	S4B	13
Ring-necked Duck	<i>Aythya collaris</i>	Not Listed	Not Listed	Not Listed	S5B	16
Ruby-crowned Kinglet	<i>Corthylio calendula</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	33
Ruby-throated Hummingbird	<i>Archilochus colubris</i>	Not Listed	Not Listed	Not Listed	S5B	6
Ruffed Grouse	<i>Bonasa umbellus</i>	Not Listed	Not Listed	Not Listed	S5	5
Rusty Blackbird	<i>Euphagus carolinus</i>	Special Concern	Special Concern	Endangered	S2B	2
Savannah Sparrow	<i>Passerculus sandwichensis</i>	Not Listed	Not Listed	Not Listed	S4S5B,S5M	1
Scarlet Tanager	<i>Piranga olivacea</i>	Not Listed	Not Listed	Not Listed	S2B,SUM	1
Song Sparrow	<i>Melospiza melodia</i>	Not Listed	Not Listed	Not Listed	S5B	42
Sora	<i>Porzana carolina</i>	Not Listed	Not Listed	Not Listed	S5B	2
Spotted Sandpiper	<i>Actitis macularius</i>	Not Listed	Not Listed	Not Listed	S3S4B,S5M	17
Swainson's Thrush	<i>Catharus ustulatus</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	117
Swamp Sparrow	<i>Melospiza georgiana</i>	Not Listed	Not Listed	Not Listed	S5B	25
Tennessee Warbler	<i>Leiothlypis peregrina</i>	Not Listed	Not Listed	Not Listed	S3S4B,S5M	1
Tree Swallow	<i>Tachycineta bicolor</i>	Not Listed	Not Listed	Not Listed	S4B	7
Veery	<i>Catharus fuscescens</i>	Not Listed	Not Listed	Not Listed	S4B	4
White-throated Sparrow	<i>Zonotrichia albicollis</i>	Not Listed	Not Listed	Not Listed	S4S5B,S5M	211
Wilson's Snipe	<i>Gallinago delicata</i>	Not Listed	Not Listed	Not Listed	S3B,S5M	3
Winter Wren	<i>Troglodytes hiemalis</i>	Not Listed	Not Listed	Not Listed	S5B	8
Wood Duck	<i>Aix sponsa</i>	Not Listed	Not Listed	Not Listed	S5B	2
Yellow Warbler	<i>Setophaga petechia</i>	Not Listed	Not Listed	Not Listed	S5B	12

Table 5: 2025 Breeding Bird Survey Results Summary - Aulds Cove Wind Project

Project #24-10440

Common Name	Scientific Name	COSEWIC	SARA	ESA	ACCDC S-Rank	Count
Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>	Not Listed	Not Listed	Not Listed	S4B, S5M	10
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	Not Listed	Not Listed	Not Listed	S5B	19
Yellow-rumped Warbler	<i>Setophaga coronata</i>	Not Listed	Not Listed	Not Listed	S5B	58

Table 6: 2025 Nightjar Survey Results - Aulds Cove Wind Project

Project # 24-10440

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common name	Scientific Name	#	Comments
SC	02-Jun-25	Nightjar	Nighthjar 1	6	N/A	N/A	N/A	0	No nightjars observed
SC	02-Jun-25	Nightjar	Nighthjar 2	6	N/A	N/A	N/A	0	No nightjars observed
SC	02-Jun-25	Nightjar	Nighthjar 3	6	N/A	N/A	N/A	0	No nightjars observed
SC	02-Jun-25	Nightjar	Nighthjar 4	6	CONI	Common Nighthawk	<i>Chordeiles minor</i>	1	Wingbooming and calling
SC	03-Jun-25	Nightjar	Nighthjar 7	6	CONI	Common Nighthawk	<i>Chordeiles minor</i>	2	One wingbooming and calling, one just calling
SC	03-Jun-25	Nightjar	Nighthjar 6	6	CONI	Common Nighthawk	<i>Chordeiles minor</i>	1	Wingbooming and calling
SC	03-Jun-25	Nightjar	Nighthjar 5	6	N/A	N/A	N/A	0	No nightjars observed
BF	30-Jun-25	Nightjar	Nighthjar 6	6	N/A	N/A	N/A	0	No nightjars observed
BF	30-Jun-25	Nightjar	Nighthjar 5	6	N/A	N/A	N/A	0	No nightjars observed
BF	30-Jun-25	Nightjar	Nighthjar 4	6	CONI	Common Nighthawk	<i>Chordeiles minor</i>	5	Two wingbooming and calling, three just calling
BF	30-Jun-25	Nightjar	Nighthjar 3	6	CONI	Common Nighthawk	<i>Chordeiles minor</i>	2	One wingbooming and calling, one just calling
BF	2-Jul-25	Nightjar	Nighthjar 7	6	N/A	N/A	N/A	0	No nightjars observed
BF	2-Jul-25	Nightjar	Nighthjar 1	6	N/A	N/A	N/A	0	No nightjars observed
BF	2-Jul-25	Nightjar	Nighthjar 2	6	N/A	N/A	N/A	0	No nightjars observed

Table 7: 2025 Nightjar Survey Results Summary - Aulds Cove Wind Project

Project # 24-10440

Common Name	Scientific Name	COSEWIC	SARA	ESA	ACCDC S-Rank	Count
Common Nighthawk	<i>Chordeiles minor</i>	Special Concern	Special Concern	Threatened	S3B	11

Table 8: 2024 and 2025 Fall Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
JL	22-Aug-24	Fall Migration PC	PC13	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	4			x						
JL	22-Aug-24	Fall Migration PC	PC13	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	4			x						
JL	22-Aug-24	Fall Migration PC	PC13	10	OSPR	Osprey	<i>Pandion haliaetus</i>	1			x	x					
JL	22-Aug-24	Fall Migration PC	PC13	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2				x	x				
JL	22-Aug-24	Fall Migration PC	PC13	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1						x			
JL	22-Aug-24	Fall Migration PC	PC13	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2						x			
JL	22-Aug-24	Fall Migration PC	PC13	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1						x			
JL	22-Aug-24	Fall Migration PC	PC13	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2			x	x					
JL	22-Aug-24	Fall Migration PC	PC13	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1				x	x	x			
JL	22-Aug-24	Fall Migration PC	PC13	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	2			x	x					
JL	22-Aug-24	Fall Migration PC	PC13	10	AMRO	American Robin	<i>Turdus migratorius</i>	3			x						
JL	22-Aug-24	Fall Migration PC	PC13	10	RUDU	Ruddy Duck	<i>Oxyura jamaicensis</i>	2						x			
JL	22-Aug-24	Fall Migration PC	PC13	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	3					x				
JL	22-Aug-24	Fall Migration PC	PC13	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1					x				
JL	22-Aug-24	Fall Migration PC	PC13	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2			x						
JL	22-Aug-24	Fall Migration PC	PC13	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1			x						
JL	22-Aug-24	Fall Migration PC	PC13	10	DCCO	Double-crested Cormorant	<i>Nannopterum auritum</i>	1			x	x					
JL	22-Aug-24	Fall Migration PC	PC13	10	MALL	Mallard	<i>Anas platyrhynchos</i>	1			x						
JL	22-Aug-24	Fall Migration PC	PC13	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1			x	x					
JL	22-Aug-24	Fall Migration PC	PC13	10	CORA	Common Raven	<i>Corvus corax</i>	1			x	x					
JL	22-Aug-24	Fall Migration PC	PC12	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	6			x						
JL	22-Aug-24	Fall Migration PC	PC12	10	YBSA	Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	2			x						
JL	22-Aug-24	Fall Migration PC	PC12	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2			x						
JL	22-Aug-24	Fall Migration PC	PC12	10	COEI	Common Eider	<i>Somateria mollissima</i>	4			x					50-100	
JL	22-Aug-24	Fall Migration PC	PC12	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	4				x					
JL	22-Aug-24	Fall Migration PC	PC12	10	DOWO	Downy Woodpecker	<i>Dryobates pubescens</i>	1			x						
JL	22-Aug-24	Fall Migration PC	PC12	10	BOCH	Boreal Chickadee	<i>Poecile hudsonica</i>	1						x			
JL	22-Aug-24	Fall Migration PC	PC12	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	2					x	x			
JL	22-Aug-24	Fall Migration PC	PC12	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1			x						
JL	22-Aug-24	Fall Migration PC	PC12	10	NOWA	Northern Waterthrush	<i>Parkesia noveboracensis</i>	1				x					
JL	22-Aug-24	Fall Migration PC	PC12	10	CORA	Common Raven	<i>Corvus corax</i>	2						x			
JL	22-Aug-24	Fall Migration PC	PC12	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	4			x						
JL	22-Aug-24	Fall Migration PC	PC12	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	4				x					
JL	22-Aug-24	Fall Migration PC	PC12	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
JL	22-Aug-24	Fall Migration PC	PC12	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1			x						
JL	22-Aug-24	Fall Migration PC	PC12	10	AMRO	American Robin	<i>Turdus migratorius</i>	2			x						
JL	22-Aug-24	Fall Migration PC	PC12	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2			x						
JL	22-Aug-24	Fall Migration PC	PC23	10	BWHA	Broad-winged Hawk	<i>Buteo platypterus</i>	2			x						
JL	22-Aug-24	Fall Migration PC	PC23	10	RUDU	Ruddy Duck	<i>Oxyura jamaicensis</i>	5			x	x					Migrants: ruddy duck female with four juveniles.
JL	22-Aug-24	Fall Migration PC	PC23	10	BWTE	Blue-winged Teal	<i>Spatula discors</i>	2						x			
JL	22-Aug-24	Fall Migration PC	PC23	10	BEKI	Belted Kingfisher	<i>Megaceryle alcyon</i>	1			x	x		x			
JL	22-Aug-24	Fall Migration PC	PC23	10	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1			x						Juvenile.
JL	22-Aug-24	Fall Migration PC	PC23	10	NOHA	Northern Harrier	<i>Circus hudsonius</i>	1			x						
JL	22-Aug-24	Fall Migration PC	PC23	10	CANG	Canada Goose	<i>Branta canadensis</i>	20					x				
JL	22-Aug-24	Fall Migration PC	PC23	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	2					x				
JL	22-Aug-24	Fall Migration PC	PC23	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1			x						
JL	22-Aug-24	Fall Migration PC	PC23	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1					x				
JL	22-Aug-24	Fall Migration PC	PC1	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2			x						
JL	22-Aug-24	Fall Migration PC	PC1	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	7						x			
JL	22-Aug-24	Fall Migration PC	PC1	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1					x				
JL	22-Aug-24	Fall Migration PC	PC1	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	3			x	x					
JL	22-Aug-24	Fall Migration PC	PC1	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	2			x						
JL	22-Aug-24	Fall Migration PC	PC1	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	2						x			
JL	22-Aug-24	Fall Migration PC	PC1	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1					x				
JL	22-Aug-24	Fall Migration PC	PC1	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1			x	x					
JL	22-Aug-24	Fall Migration PC	PC15	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1			x	x					
JL	22-Aug-24	Fall Migration PC	PC15	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	5					x				
JL	22-Aug-24	Fall Migration PC	PC15	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	4			x						
JL	22-Aug-24	Fall Migration PC	PC15	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	6			x	x					
JL	22-Aug-24	Fall Migration PC	PC15	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1					x				
JL	22-Aug-24	Fall Migration PC	PC15	10	BBWA	Bay-breasted Warbler	<i>Setophaga castanea</i>	1			x	x					
JL	22-Aug-24	Fall Migration PC	PC15	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1			x	x					
JL	22-Aug-24	Fall Migration PC	PC15	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1			x						
JL	22-Aug-24	Fall Migration PC	PC15	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1					x				
JL	22-Aug-24	Fall Migration PC	PC15	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1						x			
JL	22-Aug-24	Fall Migration PC	PC15	10	COLO	Common Loon	<i>Gavia immer</i>	1			x						
JL	22-Aug-24	Fall Migration PC	PC14	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	6			x						
JL	22-Aug-24	Fall Migration PC	PC14	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	2					x				
JL	22-Aug-24	Fall Migration PC	PC14	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1					x				
JL	22-Aug-24	Fall Migration PC	PC14	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2			x						
JL	22-Aug-24	Fall Migration PC	PC14	10	AMRO	American Robin	<i>Turdus migratorius</i>	1			x						

Table 8: 2024 and 2025 Fall Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
JL	22-Aug-24	Fall Migration PC	PC14	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	2				x	x				
JL	22-Aug-24	Fall Migration PC	PC14	10	OSPR	Osprey	<i>Pandion haliaetus</i>	1				x					
JL	22-Aug-24	Fall Migration PC	PC17	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	3			x						
JL	22-Aug-24	Fall Migration PC	PC17	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1			x						
JL	22-Aug-24	Fall Migration PC	PC17	10	CORA	Common Raven	<i>Corvus corax</i>	2			x						
JL	22-Aug-24	Fall Migration PC	PC17	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2			x	x					
JL	22-Aug-24	Fall Migration PC	PC17	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1			x						
JL	22-Aug-24	Fall Migration PC	PC17	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	6				x					
JL	22-Aug-24	Fall Migration PC	PC17	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2			x	x					
JL	22-Aug-24	Fall Migration PC	PC17	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2			x	x					
JL	22-Aug-24	Fall Migration PC	PC19	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	3			x						
JL	22-Aug-24	Fall Migration PC	PC19	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	2					x				
JL	22-Aug-24	Fall Migration PC	PC19	10	UNK-SB	Unknown songbird	N/A	1				x					An unknown warbler.
JL	22-Aug-24	Fall Migration PC	PC19	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	2			x						
JL	22-Aug-24	Fall Migration PC	PC19	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2					x				
JL	22-Aug-24	Fall Migration PC	PC19	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2				x					
JL	22-Aug-24	Fall Migration PC	PC19	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	5					x				
JL	22-Aug-24	Fall Migration PC	PC19	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2			x	x					
JL	22-Aug-24	Fall Migration PC	PC19	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1					x				
JL	22-Aug-24	Fall Migration PC	PC19	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1			x	x	x				
JL	22-Aug-24	Fall Migration PC	PC19	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1			x	x					
JL	22-Aug-24	Fall Migration PC	PC19	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1							x		
JL	22-Aug-24	Fall Migration PC	PC18	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	2					x				
JL	22-Aug-24	Fall Migration PC	PC18	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1			x						Female.
JL	22-Aug-24	Fall Migration PC	PC18	10	COLO	Common Loon	<i>Gavia immer</i>	1			x						
JL	22-Aug-24	Fall Migration PC	PC18	10	AMRO	American Robin	<i>Turdus migratorius</i>	2			x						
JL	22-Aug-24	Fall Migration PC	PC18	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
JL	22-Aug-24	Fall Migration PC	PC18	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1			x	x					
JL	22-Aug-24	Fall Migration PC	PC18	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	2				x					
JL	22-Aug-24	Fall Migration PC	PC18	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1					x				
JL	22-Aug-24	Fall Migration PC	PC18	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2				x					
JL	22-Aug-24	Fall Migration PC	PC18	10	AHGU	American Herring Gull	<i>Larus smithsonianus</i>	2			x	x					
JL	22-Aug-24	Fall Migration PC	PC16	10	ABDU	American Black Duck	<i>Anas rubripes</i>	4							x		
JL	22-Aug-24	Fall Migration PC	PC16	10	MALL	Mallard	<i>Anas platyrhynchos</i>	2					x				
JL	22-Aug-24	Fall Migration PC	PC16	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1			x						
JL	22-Aug-24	Fall Migration PC	PC16	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	5			x	x					
JL	22-Aug-24	Fall Migration PC	PC16	10	AMRO	American Robin	<i>Turdus migratorius</i>	2			x	x					
JL	22-Aug-24	Fall Migration PC	PC16	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	6			x	x					
JL	22-Aug-24	Fall Migration PC	PC16	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	3				x	x				
JL	22-Aug-24	Fall Migration PC	PC16	10	RBNU	Red-breasted Nuthatch	<i>Sitta canadensis</i>	1			x						
JL	22-Aug-24	Fall Migration PC	PC16	10	COLO	Common Loon	<i>Gavia immer</i>	2					x				
JL	22-Aug-24	Fall Migration PC	PC16	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1			x						
JL	22-Aug-24	Fall Migration PC	PC16	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1					x				
JL	22-Aug-24	Fall Migration PC	PC16	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1			x	x					
JL	22-Aug-24	Fall Migration PC	PC16	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1				x					
JL	22-Aug-24	Fall Migration PC	PC16	10	UNK-SB	Unknown songbird	N/A	2			x						
JL	23-Aug-24	Fall Migration PC	PC42	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	3			x						
JL	23-Aug-24	Fall Migration PC	PC42	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	3				x					
JL	23-Aug-24	Fall Migration PC	PC42	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	3			x	x					
JL	23-Aug-24	Fall Migration PC	PC42	10	COLO	Common Loon	<i>Gavia immer</i>	2			x						
JL	23-Aug-24	Fall Migration PC	PC42	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1				x					
JL	23-Aug-24	Fall Migration PC	PC42	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1			x						
JL	23-Aug-24	Fall Migration PC	PC42	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1			x						
JL	23-Aug-24	Fall Migration PC	PC41	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	4				x	x				
JL	23-Aug-24	Fall Migration PC	PC41	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	5							x		
JL	23-Aug-24	Fall Migration PC	PC41	10	AMRO	American Robin	<i>Turdus migratorius</i>	2			x						
JL	23-Aug-24	Fall Migration PC	PC41	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2			x						
JL	23-Aug-24	Fall Migration PC	PC41	10	COLO	Common Loon	<i>Gavia immer</i>	1			x	x	x				
JL	23-Aug-24	Fall Migration PC	PC41	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1					x				
JL	23-Aug-24	Fall Migration PC	PC41	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2			x						
JL	23-Aug-24	Fall Migration PC	PC41	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
JL	23-Aug-24	Fall Migration PC	PC40	10	COLO	Common Loon	<i>Gavia immer</i>	2			x	x					
JL	23-Aug-24	Fall Migration PC	PC40	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	4			x	x					
JL	23-Aug-24	Fall Migration PC	PC40	10	RBNU	Red-breasted Nuthatch	<i>Sitta canadensis</i>	1				x					
JL	23-Aug-24	Fall Migration PC	PC40	10	AMRO	American Robin	<i>Turdus migratorius</i>	4			x	x					
JL	23-Aug-24	Fall Migration PC	PC40	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	4			x						
JL	23-Aug-24	Fall Migration PC	PC40	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	2			x						
JL	23-Aug-24	Fall Migration PC	PC40	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1					x				
JL	23-Aug-24	Fall Migration PC	PC40	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
JL	23-Aug-24	Fall Migration PC	PC40	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1			x						
JL	23-Aug-24	Fall Migration PC	PC40	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1			x						

Table 8: 2024 and 2025 Fall Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
JL	23-Aug-24	Fall Migration PC	PC40	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	2			x	x	x				
JL	23-Aug-24	Fall Migration PC	PC34	10	COLO	Common Loon	<i>Gavia immer</i>	2					x				
JL	23-Aug-24	Fall Migration PC	PC34	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	3			x	x					
JL	23-Aug-24	Fall Migration PC	PC34	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	4				x					
JL	23-Aug-24	Fall Migration PC	PC34	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2			x	x					
JL	23-Aug-24	Fall Migration PC	PC34	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	2				x					
JL	23-Aug-24	Fall Migration PC	PC34	10	BOCH	Boreal Chickadee	<i>Poecile hudsonica</i>	2				x					
JL	23-Aug-24	Fall Migration PC	PC34	10	CAJA	Canada Jay	<i>Perisoreus canadensis</i>	2			x	x					
JL	23-Aug-24	Fall Migration PC	PC34	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2					x				
JL	23-Aug-24	Fall Migration PC	PC34	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1			x	x					
JL	23-Aug-24	Fall Migration PC	PC34	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1					x				
JL	23-Aug-24	Fall Migration PC	PC34	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1					x				
JL	23-Aug-24	Fall Migration PC	PC34	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1					x				
JL	23-Aug-24	Fall Migration PC	PC44	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	3				x	x				
JL	23-Aug-24	Fall Migration PC	PC44	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1			x		x				
JL	23-Aug-24	Fall Migration PC	PC44	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	3					x				
JL	23-Aug-24	Fall Migration PC	PC44	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2			x						
JL	23-Aug-24	Fall Migration PC	PC44	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1						x			
JL	23-Aug-24	Fall Migration PC	PC44	10	AMRO	American Robin	<i>Turdus migratorius</i>	2				x					
JL	23-Aug-24	Fall Migration PC	PC44	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1			x						
JL	23-Aug-24	Fall Migration PC	PC44	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2					x				
JL	23-Aug-24	Fall Migration PC	PC44	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1						x			
JL	23-Aug-24	Fall Migration PC	PC44	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	2					x				
JL	23-Aug-24	Fall Migration PC	PC46	10	COLO	Common Loon	<i>Gavia immer</i>	1						x			
JL	23-Aug-24	Fall Migration PC	PC46	10	SPGR	Spruce Grouse	<i>Canachites canadensis</i>	1			x	x					
JL	23-Aug-24	Fall Migration PC	PC46	10	BEKI	Belted Kingfisher	<i>Megaceryle alcyon</i>	2				x	x				
JL	23-Aug-24	Fall Migration PC	PC46	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1			x						
JL	23-Aug-24	Fall Migration PC	PC46	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	2							x		
JL	23-Aug-24	Fall Migration PC	PC46	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	4			x	x	x				
JL	23-Aug-24	Fall Migration PC	PC46	10	MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	2					x				
JL	23-Aug-24	Fall Migration PC	PC46	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1			x						
JL	23-Aug-24	Fall Migration PC	PC46	10	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1			x						
JL	23-Aug-24	Fall Migration PC	PC46	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1			x						
JL	23-Aug-24	Fall Migration PC	PC46	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	4						x			
JL	23-Aug-24	Fall Migration PC	PC46	10	RBNU	Red-breasted Nuthatch	<i>Sitta canadensis</i>	1							x		
JL	23-Aug-24	Fall Migration PC	PC46	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	4					x	x			
JL	23-Aug-24	Fall Migration PC	PC46	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	6					x	x			
JL	23-Aug-24	Fall Migration PC	PC46	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1					x				
JL	23-Aug-24	Fall Migration PC	PC46	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1					x				
JL	23-Aug-24	Fall Migration PC	PC46	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1							x		
JL	23-Aug-24	Fall Migration PC	PC46	10	BLBW	Blackburnian Warbler	<i>Setophaga fusca</i>	1							x		Female.
JL	23-Aug-24	Fall Migration PC	PC43	10	COLO	Common Loon	<i>Gavia immer</i>	2							x		Confirmed breeding
JL	23-Aug-24	Fall Migration PC	PC43	10	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	5					x				Confirmed breeding
JL	23-Aug-24	Fall Migration PC	PC43	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1			x						
JL	23-Aug-24	Fall Migration PC	PC43	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	1					x				
JL	23-Aug-24	Fall Migration PC	PC43	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
JL	23-Aug-24	Fall Migration PC	PC43	10	AMRO	American Robin	<i>Turdus migratorius</i>	3			x						
JL	23-Aug-24	Fall Migration PC	PC43	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2						x			
JL	23-Aug-24	Fall Migration PC	PC43	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1							x		
JL	23-Aug-24	Fall Migration PC	PC39	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2					x				
JL	23-Aug-24	Fall Migration PC	PC39	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2			x						
JL	23-Aug-24	Fall Migration PC	PC39	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	2					x	x			
JL	23-Aug-24	Fall Migration PC	PC39	10	UNK-SB	Unknown songbird	<i>N/A</i>	2			x	x	x				
JL	23-Aug-24	Fall Migration PC	PC39	10	WWCR	White-winged Crossbill	<i>Loxia leucoptera</i>	1							x		
JL	23-Aug-24	Fall Migration PC	PC39	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	2			x	x					
JL	23-Aug-24	Fall Migration PC	PC39	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2					x				
JL	23-Aug-24	Fall Migration PC	PC39	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x	x					
JL	23-Aug-24	Fall Migration PC	PC39	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1						x			
JL	23-Aug-24	Fall Migration PC	PC39	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1					x				
JL	23-Aug-24	Fall Migration PC	PC39	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1					x				
JL	23-Aug-24	Fall Migration PC	PC39	10	COLO	Common Loon	<i>Gavia immer</i>	1			x	x					
JL	23-Aug-24	Fall Migration PC	PC39	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2			x	x					
JL	23-Aug-24	Fall Migration PC	PC39	10	CORA	Common Raven	<i>Corvus corax</i>	1			x	x					
JL	23-Aug-24	Fall Migration PC	PC48	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	3						x			
JL	23-Aug-24	Fall Migration PC	PC48	10	COLO	Common Loon	<i>Gavia immer</i>	1			x						
JL	23-Aug-24	Fall Migration PC	PC48	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	3					x				
JL	23-Aug-24	Fall Migration PC	PC48	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	2			x						
JL	23-Aug-24	Fall Migration PC	PC48	10	CORA	Common Raven	<i>Corvus corax</i>	2					x				
JL	23-Aug-24	Fall Migration PC	PC48	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2					x				
JL	23-Aug-24	Fall Migration PC	PC48	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1						x			
JL	23-Aug-24	Fall Migration PC	PC48	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1			x	x					

Table 8: 2024 and 2025 Fall Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
JL	23-Aug-24	Fall Migration PC	PC48	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1				x	x				
JL	23-Aug-24	Fall Migration PC	PC48	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2					x				
JL	23-Aug-24	Fall Migration PC	PC48	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	3				x	x				
JL	23-Aug-24	Fall Migration PC	PC48	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1						x			
JL	23-Aug-24	Fall Migration PC	PC48	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1							x		
JL	23-Aug-24	Fall Migration PC	PC47	10	MODO	Mourning Dove	<i>Zenaida macroura</i>	2						x			
JL	23-Aug-24	Fall Migration PC	PC47	10	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	2			x	x					
JL	23-Aug-24	Fall Migration PC	PC47	10	BBCU	Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>	1				x					
JL	23-Aug-24	Fall Migration PC	PC47	10	COLO	Common Loon	<i>Gavia immer</i>	1						x			
JL	23-Aug-24	Fall Migration PC	PC47	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	2				x					
JL	23-Aug-24	Fall Migration PC	PC47	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	3				x					
JL	23-Aug-24	Fall Migration PC	PC47	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	4			x	x					
JL	23-Aug-24	Fall Migration PC	PC47	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	5							x		
JL	23-Aug-24	Fall Migration PC	PC47	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	3					x				
JL	23-Aug-24	Fall Migration PC	PC47	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1			x						
JL	23-Aug-24	Fall Migration PC	PC47	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1				x		x			
JL	23-Aug-24	Fall Migration PC	PC47	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2							x		
JL	23-Aug-24	Fall Migration PC	PC47	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1				x		x			
JL	23-Aug-24	Fall Migration PC	PC47	10	AMRO	American Robin	<i>Turdus migratorius</i>	2							x		
JL	23-Aug-24	Fall Migration PC	PC47	10	CORA	Common Raven	<i>Corvus corax</i>	1					x				
JL	23-Aug-24	Fall Migration PC	PC45	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2			x	x	x		x		
JL	23-Aug-24	Fall Migration PC	PC45	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2				x					
JL	23-Aug-24	Fall Migration PC	PC45	10	UNK-RAP	Unknown raptor	N/A	1			x						
JL	23-Aug-24	Fall Migration PC	PC45	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	3			x						
JL	23-Aug-24	Fall Migration PC	PC45	10	AMRO	American Robin	<i>Turdus migratorius</i>	3			x						
JL	23-Aug-24	Fall Migration PC	PC45	10	RBNU	Red-breasted Nuthatch	<i>Sitta canadensis</i>	1					x				
JL	23-Aug-24	Fall Migration PC	PC45	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1			x	x					
JL	23-Aug-24	Fall Migration PC	PC45	10	LEFL	Least Flycatcher	<i>Empidonax minimus</i>	1			x						
JL	23-Aug-24	Fall Migration PC	PC45	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	2							x		
JL	23-Aug-24	Fall Migration PC	PC45	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2					x			50-100	
JL	23-Aug-24	Fall Migration PC	PC38	10	BBWA	Bay-breasted Warbler	<i>Setophaga castanea</i>	1			x	x					
JL	23-Aug-24	Fall Migration PC	PC38	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	2					x				
JL	23-Aug-24	Fall Migration PC	PC38	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	3			x						
JL	23-Aug-24	Fall Migration PC	PC38	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1						x			
JL	23-Aug-24	Fall Migration PC	PC38	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1					x				
JL	23-Aug-24	Fall Migration PC	PC38	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1							x		
JL	23-Aug-24	Fall Migration PC	PC38	10	COLO	Common Loon	<i>Gavia immer</i>	2					x				
JL	23-Aug-24	Fall Migration PC	PC38	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	4			x						
JL	23-Aug-24	Fall Migration PC	PC38	10	AMRO	American Robin	<i>Turdus migratorius</i>	1			x						
JL	23-Aug-24	Fall Migration PC	PC38	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	3			x	x					
JL	23-Aug-24	Fall Migration PC	PC38	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2			x	x					
JL	23-Aug-24	Fall Migration PC	PC38	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1			x	x					
JL	23-Aug-24	Fall Migration PC	PC37	10	COLO	Common Loon	<i>Gavia immer</i>	1					x		x		
JL	23-Aug-24	Fall Migration PC	PC37	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2						x			
JL	23-Aug-24	Fall Migration PC	PC37	10	BOCH	Boreal Chickadee	<i>Poecile hudsonica</i>	4						x			
JL	23-Aug-24	Fall Migration PC	PC37	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	3						x			
JL	23-Aug-24	Fall Migration PC	PC37	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	3					x				
JL	23-Aug-24	Fall Migration PC	PC37	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1					x				
JL	23-Aug-24	Fall Migration PC	PC37	10	AMRO	American Robin	<i>Turdus migratorius</i>	4						x			
JL	23-Aug-24	Fall Migration PC	PC37	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1							x		
LL	25-Sep-24	Fall Migration PC	PC16	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1						x			
LL	25-Sep-24	Fall Migration PC	PC16	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1					x				
LL	25-Sep-24	Fall Migration PC	PC16	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	2					x				
LL	25-Sep-24	Fall Migration PC	PC16	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	4					x				
LL	25-Sep-24	Fall Migration PC	PC16	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	3							x		
LL	25-Sep-24	Fall Migration PC	PC16	10	RNDU	Ring-necked Duck	<i>Aythya collaris</i>	5					x				
LL	25-Sep-24	Fall Migration PC	PC16	10	ABDU	American Black Duck	<i>Anas rubripes</i>	8			x	x					
LL	25-Sep-24	Fall Migration PC	PC17	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1							x		
LL	25-Sep-24	Fall Migration PC	PC17	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	2			x						
LL	25-Sep-24	Fall Migration PC	PC17	10	OVEN	Ovenbird	<i>Seiurus aurocapilla</i>	1			x						
LL	25-Sep-24	Fall Migration PC	PC18	10	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	2			x						
LL	25-Sep-24	Fall Migration PC	PC18	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	3			x						
LL	25-Sep-24	Fall Migration PC	PC18	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1				x					
LL	25-Sep-24	Fall Migration PC	PC18	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
LL	25-Sep-24	Fall Migration PC	PC18	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1			x						
LL	25-Sep-24	Fall Migration PC	PC18	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2							x		
LL	25-Sep-24	Fall Migration PC	PC18	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	2							x		
LL	25-Sep-24	Fall Migration PC	PC19	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	7			x	x					
LL	25-Sep-24	Fall Migration PC	PC19	10	NOFA	Northern Parula	<i>Setophaga americana</i>	1			x						
LL	25-Sep-24	Fall Migration PC	PC19	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	1			x						
LL	25-Sep-24	Fall Migration PC	PC19	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	3							x		

Table 8: 2024 and 2025 Fall Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
LL	25-Sep-24	Fall Migration PC	PC19	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1			x						
LL	25-Sep-24	Fall Migration PC	PC12	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	1					x				
LL	25-Sep-24	Fall Migration PC	PC12	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	3			x						
LL	25-Sep-24	Fall Migration PC	PC12	10	EVGR	Evening Grosbeak	<i>Coccothraustes vespertinus</i>	3							x		
LL	25-Sep-24	Fall Migration PC	PC12	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1				x					
LL	25-Sep-24	Fall Migration PC	PC13	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1							x		
LL	25-Sep-24	Fall Migration PC	PC13	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1							x		
LL	25-Sep-24	Fall Migration PC	PC13	10	CMWA	Cape May Warbler	<i>Setophaga tigrina</i>	2							x		
LL	25-Sep-24	Fall Migration PC	PC13	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1			x						
LL	25-Sep-24	Fall Migration PC	PC13	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	18			x				x		
LL	25-Sep-24	Fall Migration PC	PC13	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	6			x				x		
LL	25-Sep-24	Fall Migration PC	PC13	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	3					x				
LL	25-Sep-24	Fall Migration PC	PC13	10	AMRO	American Robin	<i>Turdus migratorius</i>	3			x				x		
LL	25-Sep-24	Fall Migration PC	PC13	10	RNDU	Ring-necked Duck	<i>Aythya collaris</i>	3			x						
LL	25-Sep-24	Fall Migration PC	PC13	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	4			x						
LL	25-Sep-24	Fall Migration PC	PC13	10	GBHE	Great Blue Heron	<i>Ardea herodias</i>	1				x					
LL	25-Sep-24	Fall Migration PC	PC15	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	5				x					
LL	25-Sep-24	Fall Migration PC	PC15	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	6							x		
LL	25-Sep-24	Fall Migration PC	PC15	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	1							x		
LL	25-Sep-24	Fall Migration PC	PC15	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2					x				
LL	25-Sep-24	Fall Migration PC	PC15	10	CORA	Common Raven	<i>Corvus corax</i>	1			x						
LL	25-Sep-24	Fall Migration PC	PC15	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	1					x				
LL	25-Sep-24	Fall Migration PC	PC15	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1							x		
LL	25-Sep-24	Fall Migration PC	PC15	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	2							x		
LL	25-Sep-24	Fall Migration PC	PC20	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	7			x						
LL	25-Sep-24	Fall Migration PC	PC20	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	2			x						
LL	25-Sep-24	Fall Migration PC	PC20	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1			x						
LL	25-Sep-24	Fall Migration PC	PC20	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	2			x				x		
LL	25-Sep-24	Fall Migration PC	PC20	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1							x		
LL	25-Sep-24	Fall Migration PC	PC20	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1				x					
LL	25-Sep-24	Fall Migration PC	PC21	10	PISI	Pine Siskin	<i>Spinus pinus</i>	1							x		
LL	25-Sep-24	Fall Migration PC	PC21	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1							x		
LL	25-Sep-24	Fall Migration PC	PC21	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1			x						
LL	25-Sep-24	Fall Migration PC	PC21	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	3			x						
LL	25-Sep-24	Fall Migration PC	PC21	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2					x				
LL	25-Sep-24	Fall Migration PC	PC21	10	BRCR	Brown Creeper	<i>Certhia americana</i>	1					x				
LL	25-Sep-24	Fall Migration PC	PC21	10	DOWO	Downy Woodpecker	<i>Dryobates pubescens</i>	1			x						
LL	25-Sep-24	Fall Migration PC	PC22	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	3							x		
LL	25-Sep-24	Fall Migration PC	PC22	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	1							x		
LL	25-Sep-24	Fall Migration PC	PC22	10	BTNW	Black-throated Green Warbler	<i>Setophaga virens</i>	1							x		
LL	25-Sep-24	Fall Migration PC	PC22	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1							x		
LL	26-Sep-24	Fall Migration PC	PC39	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1			x						
LL	26-Sep-24	Fall Migration PC	PC39	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	3			x						
LL	26-Sep-24	Fall Migration PC	PC39	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	5			x						
LL	26-Sep-24	Fall Migration PC	PC39	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2			x						
LL	26-Sep-24	Fall Migration PC	PC39	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1					x				
LL	26-Sep-24	Fall Migration PC	PC39	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2				x					
LL	26-Sep-24	Fall Migration PC	PC39	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1			x						
LL	26-Sep-24	Fall Migration PC	PC39	10	LISP	Lincoln's Sparrow	<i>Melospiza lincolni</i>	1			x						
LL	26-Sep-24	Fall Migration PC	PC39	10	CMWA	Cape May Warbler	<i>Setophaga tigrina</i>	1							x		
LL	26-Sep-24	Fall Migration PC	PC39	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1							x		
LL	26-Sep-24	Fall Migration PC	PC39	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1							x		
LL	26-Sep-24	Fall Migration PC	PC39	10	PISI	Pine Siskin	<i>Spinus pinus</i>	1							x		
LL	26-Sep-24	Fall Migration PC	PC47	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	8			x	x					
LL	26-Sep-24	Fall Migration PC	PC47	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	3			x						
LL	26-Sep-24	Fall Migration PC	PC47	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	6			x				x		
LL	26-Sep-24	Fall Migration PC	PC47	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
LL	26-Sep-24	Fall Migration PC	PC47	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1			x						
LL	26-Sep-24	Fall Migration PC	PC47	10	SAVS	Savannah Sparrow	<i>Passerculus sandwichensis</i>	1			x						
LL	26-Sep-24	Fall Migration PC	PC47	10	CORA	Common Raven	<i>Corvus corax</i>	2				x	x				
LL	26-Sep-24	Fall Migration PC	PC47	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1					x				
LL	26-Sep-24	Fall Migration PC	PC47	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1					x				
LL	26-Sep-24	Fall Migration PC	PC47	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	4							x		
LL	26-Sep-24	Fall Migration PC	PC47	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1							x		
LL	26-Sep-24	Fall Migration PC	PC47	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1				x					
LL	26-Sep-24	Fall Migration PC	PC48	10	BBWO	Black-backed Woodpecker	<i>Picoides arcticus</i>	1				x					
LL	26-Sep-24	Fall Migration PC	PC48	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1				x					
LL	26-Sep-24	Fall Migration PC	PC48	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	3			x						
LL	26-Sep-24	Fall Migration PC	PC48	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2				x	x				
LL	26-Sep-24	Fall Migration PC	PC48	10	CAJA	Canada Jay	<i>Perisoreus canadensis</i>	1					x				
LL	26-Sep-24	Fall Migration PC	PC48	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	4							x		

Table 8: 2024 and 2025 Fall Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
LL	26-Sep-24	Fall Migration PC	PC48	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1			x						
LL	26-Sep-24	Fall Migration PC	PC48	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	8							x		
LL	26-Sep-24	Fall Migration PC	PC48	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	2					x				
LL	26-Sep-24	Fall Migration PC	PC48	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	5							x		
LL	26-Sep-24	Fall Migration PC	PC48	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1					x				
LL	26-Sep-24	Fall Migration PC	PC48	10	CORA	Common Raven	<i>Corvus corax</i>	1				x					
LL	26-Sep-24	Fall Migration PC	PC48	10	SAVS	Savannah Sparrow	<i>Passerculus sandwichensis</i>	1							x		
LL	26-Sep-24	Fall Migration PC	PC48	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	1			x						
LL	26-Sep-24	Fall Migration PC	PC45	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	4			x						
LL	26-Sep-24	Fall Migration PC	PC45	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
LL	26-Sep-24	Fall Migration PC	PC45	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2				x					
LL	26-Sep-24	Fall Migration PC	PC45	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1				x					
LL	26-Sep-24	Fall Migration PC	PC45	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	1							x		
LL	26-Sep-24	Fall Migration PC	PC45	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	2							x		
LL	26-Sep-24	Fall Migration PC	PC45	10	CORA	Common Raven	<i>Corvus corax</i>	1					x				
LL	26-Sep-24	Fall Migration PC	PC45	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1			x						
LL	26-Sep-24	Fall Migration PC	PC45	10	BHVI	Blue-headed Vireo	<i>Vireo solitarius</i>	1			x						
LL	26-Sep-24	Fall Migration PC	PC45	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1					x				
LL	26-Sep-24	Fall Migration PC	PC45	10	CAJA	Canada Jay	<i>Perisoreus canadensis</i>	1					x				
LL	26-Sep-24	Fall Migration PC	PC41	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	4			x		x				
LL	26-Sep-24	Fall Migration PC	PC41	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1							x		
LL	26-Sep-24	Fall Migration PC	PC41	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	4			x						
LL	26-Sep-24	Fall Migration PC	PC41	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2				x					
LL	26-Sep-24	Fall Migration PC	PC41	10	ABDU	American Black Duck	<i>Anas rubripes</i>	2			x						
LL	26-Sep-24	Fall Migration PC	PC41	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	2			x						
LL	26-Sep-24	Fall Migration PC	PC41	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
LL	26-Sep-24	Fall Migration PC	PC41	10	BEKI	Belted Kingfisher	<i>Megaceryle alcyon</i>	1			x						
LL	26-Sep-24	Fall Migration PC	PC42	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	2							x		
LL	26-Sep-24	Fall Migration PC	PC42	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1							x		
LL	26-Sep-24	Fall Migration PC	PC42	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2			x						
LL	26-Sep-24	Fall Migration PC	PC42	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1			x						
LL	26-Sep-24	Fall Migration PC	PC42	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	4			x						
LL	26-Sep-24	Fall Migration PC	PC42	10	CORA	Common Raven	<i>Corvus corax</i>	2			x						
LL	26-Sep-24	Fall Migration PC	PC42	10	SSHA	Sharp-shinned Hawk	<i>Accipiter striatus</i>	1			x						
LL	26-Sep-24	Fall Migration PC	PC44	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1			x						
LL	26-Sep-24	Fall Migration PC	PC44	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	14			x						
LL	26-Sep-24	Fall Migration PC	PC44	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	1			x						
LL	26-Sep-24	Fall Migration PC	PC44	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1			x						
LL	26-Sep-24	Fall Migration PC	PC43	10	HOME	Hooded Merganser	<i>Lophodytes cucullatus</i>	2				x					
LL	26-Sep-24	Fall Migration PC	PC43	10	BEKI	Belted Kingfisher	<i>Megaceryle alcyon</i>	1				x					
LL	26-Sep-24	Fall Migration PC	PC43	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1					x				
LL	26-Sep-24	Fall Migration PC	PC43	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	2							x		
LL	26-Sep-24	Fall Migration PC	PC43	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2			x						
LL	26-Sep-24	Fall Migration PC	PC43	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1				x					
LL	26-Sep-24	Fall Migration PC	PC40	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	5							x		
LL	26-Sep-24	Fall Migration PC	PC40	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	2							x		
LL	26-Sep-24	Fall Migration PC	PC40	10	NOPA	Northern Parula	<i>Setophaga americana</i>	1							x		
LL	26-Sep-24	Fall Migration PC	PC40	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	1							x		
LL	26-Sep-24	Fall Migration PC	PC40	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1							x		
LL	26-Sep-24	Fall Migration PC	PC46	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	2							x		
LL	26-Sep-24	Fall Migration PC	PC46	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	2							x		
LL	26-Sep-24	Fall Migration PC	PC46	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2				x					
LL	26-Sep-24	Fall Migration PC	PC46	10	CAJA	Canada Jay	<i>Perisoreus canadensis</i>	1				x					
LL	26-Sep-24	Fall Migration PC	PC46	10	PBGR	Pied-billed Grebe	<i>Podilymbus podiceps</i>	1				x					
LL	26-Sep-24	Fall Migration PC	PC46	10	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1				x					
LL	26-Sep-24	Fall Migration PC	PC38	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2							x		
LL	26-Sep-24	Fall Migration PC	PC38	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2							x		
LL	26-Sep-24	Fall Migration PC	PC38	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	2							x		
LL	26-Sep-24	Fall Migration PC	PC38	10	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	4			x				x		
LL	26-Sep-24	Fall Migration PC	PC38	10	CAJA	Canada Jay	<i>Perisoreus canadensis</i>	1			x						
RM	23-Oct-24	Fall Migration PC	PC16	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1				x					
RM	23-Oct-24	Fall Migration PC	PC16	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	3			x						
RM	23-Oct-24	Fall Migration PC	PC16	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1			x						
RM	23-Oct-24	Fall Migration PC	PC16	10	AMRO	American Robin	<i>Turdus migratorius</i>	2				x					
RM	23-Oct-24	Fall Migration PC	PC16	10	RNDU	Ring-necked Duck	<i>Aythya collaris</i>	48			x						
RM	23-Oct-24	Fall Migration PC	PC18	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
RM	23-Oct-24	Fall Migration PC	PC19	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1				x					
RM	23-Oct-24	Fall Migration PC	PC12	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1					x				
RM	23-Oct-24	Fall Migration PC	PC12	10	DOWO	Downy Woodpecker	<i>Dryobates pubescens</i>	1				x					
RM	23-Oct-24	Fall Migration PC	PC12	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	3				x					
RM	23-Oct-24	Fall Migration PC	PC12	10	UNK-SB	Unknown songbird	N/A	1					x				

Table 8: 2024 and 2025 Fall Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
RM	23-Oct-24	Fall Migration PC	PC13	10	DCCO	Double-crested Cormorant	<i>Nannopterum auritum</i>	1				x					
RM	23-Oct-24	Fall Migration PC	PC13	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1				x					
RM	23-Oct-24	Fall Migration PC	PC13	10	DOWO	Downy Woodpecker	<i>Dryobates pubescens</i>	1				x					
RM	23-Oct-24	Fall Migration PC	PC13	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
RM	23-Oct-24	Fall Migration PC	PC15	10	PISI	Pine Siskin	<i>Spinus pinus</i>	6				x			x	50-100	
RM	23-Oct-24	Fall Migration PC	PC15	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2			x						
RM	23-Oct-24	Fall Migration PC	PC15	10	AMRO	American Robin	<i>Turdus migratorius</i>	1				x					
RM	23-Oct-24	Fall Migration PC	PC15	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1					x				
RM	23-Oct-24	Fall Migration PC	PC15	10	CORA	Common Raven	<i>Corvus corax</i>	1					x				
RM	23-Oct-24	Fall Migration PC	PC15	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1				x					
RM	23-Oct-24	Fall Migration PC	PC15	10	UNK-SB	Unknown songbird	N/A	50					x		x	100+	
RM	23-Oct-24	Fall Migration PC	PC15	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	4					x		x		
RM	23-Oct-24	Fall Migration PC	PC20	10	AMRO	American Robin	<i>Turdus migratorius</i>	18			x	x			x	0-50	
RM	23-Oct-24	Fall Migration PC	PC20	10	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	4					x		x	200+	
RM	23-Oct-24	Fall Migration PC	PC20	10	UNK-RAP	Unknown raptor	N/A	2					x		x		
RM	23-Oct-24	Fall Migration PC	PC20	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1			x						
RM	23-Oct-24	Fall Migration PC	PC20	10	DOWO	Downy Woodpecker	<i>Dryobates pubescens</i>	1					x				
RM	23-Oct-24	Fall Migration PC	PC21	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1			x						
RM	23-Oct-24	Fall Migration PC	PC21	10	AMRO	American Robin	<i>Turdus migratorius</i>	2			x	x					
RM	23-Oct-24	Fall Migration PC	PC22	10	DOWO	Downy Woodpecker	<i>Dryobates pubescens</i>	1				x					
RM	23-Oct-24	Fall Migration PC	PC22	10	AMRO	American Robin	<i>Turdus migratorius</i>	1				x					
RM	23-Oct-24	Fall Migration PC	PC22	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	1			x						
RM	23-Oct-24	Fall Migration PC	PC23	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1			x						
RM	23-Oct-24	Fall Migration PC	PC23	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1					x				
RM	23-Oct-24	Fall Migration PC	PC23	10	AMRO	American Robin	<i>Turdus migratorius</i>	1				x					
JL	23-Oct-24	Fall Migration PC	PC2	10	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1							x	100+	
JL	23-Oct-24	Fall Migration PC	PC2	10	DCCO	Double-crested Cormorant	<i>Nannopterum auritum</i>	10					x				
JL	23-Oct-24	Fall Migration PC	PC2	10	GBHE	Great Blue Heron	<i>Ardea herodias</i>	1					x				
JL	23-Oct-24	Fall Migration PC	PC2	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1					x				
JL	23-Oct-24	Fall Migration PC	PC2	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	2					x				
JL	23-Oct-24	Fall Migration PC	PC2	10	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	1					x				
JL	23-Oct-24	Fall Migration PC	PC2	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	8			x	x	x				
JL	23-Oct-24	Fall Migration PC	PC2	10	AMRO	American Robin	<i>Turdus migratorius</i>	7			x	x	x				
JL	23-Oct-24	Fall Migration PC	PC2	10	CORA	Common Raven	<i>Corvus corax</i>	1					x				
JL	23-Oct-24	Fall Migration PC	PC2	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2				x					
JL	23-Oct-24	Fall Migration PC	PC2	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	4					x				
JL	23-Oct-24	Fall Migration PC	PC2	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1			x						
JL	23-Oct-24	Fall Migration PC	PC3	10	AMRO	American Robin	<i>Turdus migratorius</i>	4			x						
JL	23-Oct-24	Fall Migration PC	PC3	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1					x				
JL	23-Oct-24	Fall Migration PC	PC3	10	RTHA	Red-tailed Hawk	<i>Buteo jamaicensis</i>	1					x				
JL	23-Oct-24	Fall Migration PC	PC3	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	5			x		x				
JL	23-Oct-24	Fall Migration PC	PC3	10	CORA	Common Raven	<i>Corvus corax</i>	1							x		
JL	23-Oct-24	Fall Migration PC	PC3	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	4			x	x					
JL	23-Oct-24	Fall Migration PC	PC3	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	3					x				
JL	23-Oct-24	Fall Migration PC	PC3	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1						x			
JL	23-Oct-24	Fall Migration PC	PC3	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2			x						
JL	23-Oct-24	Fall Migration PC	PC3	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1						x			
JL	23-Oct-24	Fall Migration PC	PC4	10	AMRO	American Robin	<i>Turdus migratorius</i>	5			x	x	x				
JL	23-Oct-24	Fall Migration PC	PC4	10	CAJA	Canada Jay	<i>Perisoreus canadensis</i>	1			x						
JL	23-Oct-24	Fall Migration PC	PC4	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2				x					
JL	23-Oct-24	Fall Migration PC	PC4	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1			x						
JL	23-Oct-24	Fall Migration PC	PC4	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1						x			
JL	23-Oct-24	Fall Migration PC	PC4	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1						x			
JL	23-Oct-24	Fall Migration PC	PC4	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1					x				
JL	23-Oct-24	Fall Migration PC	PC4	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2					x				
JL	23-Oct-24	Fall Migration PC	PC4	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2						x			
JL	23-Oct-24	Fall Migration PC	PC4	10	CORA	Common Raven	<i>Corvus corax</i>	1						x			
JL	23-Oct-24	Fall Migration PC	PC4	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2			x						
JL	23-Oct-24	Fall Migration PC	PC4	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1						x			
JL	23-Oct-24	Fall Migration PC	PC6	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2			x						
JL	23-Oct-24	Fall Migration PC	PC6	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2						x			
JL	23-Oct-24	Fall Migration PC	PC6	10	AMRO	American Robin	<i>Turdus migratorius</i>	2			x						
JL	23-Oct-24	Fall Migration PC	PC6	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	2				x	x				
JL	23-Oct-24	Fall Migration PC	PC8	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	4			x	x					
JL	23-Oct-24	Fall Migration PC	PC8	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	2					x				
JL	23-Oct-24	Fall Migration PC	PC8	10	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	1					x				
JL	23-Oct-24	Fall Migration PC	PC8	10	CAJA	Canada Jay	<i>Perisoreus canadensis</i>	1			x						
JL	23-Oct-24	Fall Migration PC	PC8	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	10						x			
JL	23-Oct-24	Fall Migration PC	PC8	10	AMRO	American Robin	<i>Turdus migratorius</i>	2			x						
JL	23-Oct-24	Fall Migration PC	PC8	10	SPGR	Spruce Grouse	<i>Canachites canadensis</i>	1			x						
JL	23-Oct-24	Fall Migration PC	PC8	10	BOWA	Bohemian Waxwing	<i>Bombycilla garrulus</i>	2							x		

Table 8: 2024 and 2025 Fall Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
JL	23-Oct-24	Fall Migration PC	PC8	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	5							x	0	
JL	23-Oct-24	Fall Migration PC	PC8	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1					x				
JL	23-Oct-24	Fall Migration PC	PC8	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1			x						
JL	23-Oct-24	Fall Migration PC	PC7	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1					x				
JL	23-Oct-24	Fall Migration PC	PC7	10	EVGR	Evening Grosbeak	<i>Coccothraustes vespertinus</i>	2				x					
JL	23-Oct-24	Fall Migration PC	PC7	10	MODO	Mourning Dove	<i>Zenaida macroura</i>	1					x				
JL	23-Oct-24	Fall Migration PC	PC7	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2					x				
JL	23-Oct-24	Fall Migration PC	PC7	10	AMRO	American Robin	<i>Turdus migratorius</i>	2			x						
JL	23-Oct-24	Fall Migration PC	PC7	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	2			x	x					
JL	23-Oct-24	Fall Migration PC	PC7	10	CAJA	Canada Jay	<i>Perisoreus canadensis</i>	1			x						
JL	23-Oct-24	Fall Migration PC	PC7	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2			x						
JL	23-Oct-24	Fall Migration PC	PC7	10	EUST	European Starling	<i>Sturnus vulgaris</i>	3					x				
JL	23-Oct-24	Fall Migration PC	PC7	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	1			x						
JL	23-Oct-24	Fall Migration PC	PC7	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	4			x						
JL	23-Oct-24	Fall Migration PC	PC7	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2			x						
JL	23-Oct-24	Fall Migration PC	PC7	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1			x						
JL	23-Oct-24	Fall Migration PC	PC5	10	AMRO	American Robin	<i>Turdus migratorius</i>	6			x	x			x	0-50	
JL	23-Oct-24	Fall Migration PC	PC5	10	MODO	Mourning Dove	<i>Zenaida macroura</i>	1				x					
JL	23-Oct-24	Fall Migration PC	PC5	10	CAJA	Canada Jay	<i>Perisoreus canadensis</i>	1			x						
JL	23-Oct-24	Fall Migration PC	PC5	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1				x					
JL	23-Oct-24	Fall Migration PC	PC5	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2					x				
JL	23-Oct-24	Fall Migration PC	PC5	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1					x				
JL	23-Oct-24	Fall Migration PC	PC5	10	BEKI	Belted Kingfisher	<i>Megaceryle alcyon</i>	1					x				
JL	23-Oct-24	Fall Migration PC	PC5	10	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	1			x						
JL	23-Oct-24	Fall Migration PC	PC5	10	BOWA	Bohemian Waxwing	<i>Bombycilla garrulus</i>	8							X		
JL	23-Oct-24	Fall Migration PC	PC9	10	AMRO	American Robin	<i>Turdus migratorius</i>	7			x	x					
JL	23-Oct-24	Fall Migration PC	PC9	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	5			x	x					
JL	23-Oct-24	Fall Migration PC	PC9	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	2			x	x					
JL	23-Oct-24	Fall Migration PC	PC9	10	CORA	Common Raven	<i>Corvus corax</i>	1			x						
JL	23-Oct-24	Fall Migration PC	PC9	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1			x						
JL	23-Oct-24	Fall Migration PC	PC9	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2				x					
JL	23-Oct-24	Fall Migration PC	PC10	10	AMRO	American Robin	<i>Turdus migratorius</i>	3			x	x	x				
JL	23-Oct-24	Fall Migration PC	PC10	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1					x				
JL	23-Oct-24	Fall Migration PC	PC10	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	3				x	x				
JL	23-Oct-24	Fall Migration PC	PC10	10	CORA	Common Raven	<i>Corvus corax</i>	1					x				
JL	23-Oct-24	Fall Migration PC	PC10	10	AGOL	American Goldfinch	<i>Spinus tristis</i>	3			x						
JL	23-Oct-24	Fall Migration PC	PC10	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1					x				
JL	23-Oct-24	Fall Migration PC	PC11	10	AMRO	American Robin	<i>Turdus migratorius</i>	5				x					
JL	23-Oct-24	Fall Migration PC	PC11	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1				x					
JL	23-Oct-24	Fall Migration PC	PC11	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	4			x						
JL	23-Oct-24	Fall Migration PC	PC11	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
JL	23-Oct-24	Fall Migration PC	PC11	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1				x					
JL	23-Oct-24	Fall Migration PC	PC11	10	BEKI	Belted Kingfisher	<i>Megaceryle alcyon</i>	1			x						
JL	23-Oct-24	Fall Migration PC	PC11	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2				x					
JL	23-Oct-24	Fall Migration PC	PC11	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1					x				
RM	24-Oct-24	Fall Migration PC	PC37	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1			x						
RM	24-Oct-24	Fall Migration PC	PC37	10	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	1			x						
RM	24-Oct-24	Fall Migration PC	PC38	10	CORA	Common Raven	<i>Corvus corax</i>	3			x	x			x	0-50	
RM	24-Oct-24	Fall Migration PC	PC38	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1					x				
RM	24-Oct-24	Fall Migration PC	PC38	10	PISI	Pine Siskin	<i>Spinus pinus</i>	6				x			x		
RM	24-Oct-24	Fall Migration PC	PC38	10	COLO	Common Loon	<i>Gavia immer</i>	1					x				
RM	24-Oct-24	Fall Migration PC	PC38	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1			x						
RM	24-Oct-24	Fall Migration PC	PC38	10	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1				x					
RM	24-Oct-24	Fall Migration PC	PC38	10	AMRO	American Robin	<i>Turdus migratorius</i>	1				x					
RM	24-Oct-24	Fall Migration PC	PC39	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	4			x						
RM	24-Oct-24	Fall Migration PC	PC39	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1			x						
RM	24-Oct-24	Fall Migration PC	PC39	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1					x				
RM	24-Oct-24	Fall Migration PC	PC45	10	PISI	Pine Siskin	<i>Spinus pinus</i>	2			x						
RM	24-Oct-24	Fall Migration PC	PC45	10	AMRO	American Robin	<i>Turdus migratorius</i>	48			x				x	0-50	
RM	24-Oct-24	Fall Migration PC	PC47	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	3			x						
RM	24-Oct-24	Fall Migration PC	PC47	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
RM	24-Oct-24	Fall Migration PC	PC47	10	CORA	Common Raven	<i>Corvus corax</i>	2			x						
RM	24-Oct-24	Fall Migration PC	PC47	10	BOCH	Boreal Chickadee	<i>Poecile hudsonica</i>	2			x						
RM	24-Oct-24	Fall Migration PC	PC47	10	CAJA	Canada Jay	<i>Perisoreus canadensis</i>	1					x				
RM	24-Oct-24	Fall Migration PC	PC48	10	AMRO	American Robin	<i>Turdus migratorius</i>	1				x					
RM	24-Oct-24	Fall Migration PC	PC48	10	PISI	Pine Siskin	<i>Spinus pinus</i>	8				x			x	50-100	
RM	24-Oct-24	Fall Migration PC	PC40	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1					x				
RM	24-Oct-24	Fall Migration PC	PC40	10	AMRO	American Robin	<i>Turdus migratorius</i>	2				x					
RM	24-Oct-24	Fall Migration PC	PC40	10	DOWO	Downy Woodpecker	<i>Dryobates pubescens</i>	1					x				
RM	24-Oct-24	Fall Migration PC	PC40	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
RM	24-Oct-24	Fall Migration PC	PC40	10	WWCR	White-winged Crossbill	<i>Loxia leucoptera</i>	10					x		x	50-100	

Table 8: 2024 and 2025 Fall Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
RM	24-Oct-24	Fall Migration PC	PC44	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
RM	24-Oct-24	Fall Migration PC	PC44	10	AMRO	American Robin	<i>Turdus migratorius</i>	1				x					
RM	24-Oct-24	Fall Migration PC	PC43	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1					x				
RM	24-Oct-24	Fall Migration PC	PC43	10	CAJA	Canada Jay	<i>Perisoreus canadensis</i>	1				x					
RM	24-Oct-24	Fall Migration PC	PC42	10	CORA	Common Raven	<i>Corvus corax</i>	1			x						
RM	24-Oct-24	Fall Migration PC	PC41	10	CAJA	Canada Jay	<i>Perisoreus canadensis</i>	1			x						
RM	24-Oct-24	Fall Migration PC	PC41	10	ABDU	American Black Duck	<i>Anas rubripes</i>	1			x						
RM	24-Oct-24	Fall Migration PC	PC41	10	CORA	Common Raven	<i>Corvus corax</i>	2				x					
JL	24-Oct-24	Fall Migration PC	PC24	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	2			x						
JL	24-Oct-24	Fall Migration PC	PC24	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	3				x	x				
JL	24-Oct-24	Fall Migration PC	PC24	10	CORA	Common Raven	<i>Corvus corax</i>	2					x				
JL	24-Oct-24	Fall Migration PC	PC24	10	COLO	Common Loon	<i>Gavia immer</i>	1					x				
JL	24-Oct-24	Fall Migration PC	PC24	10	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1					x				
JL	24-Oct-24	Fall Migration PC	PC24	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2				x					
JL	24-Oct-24	Fall Migration PC	PC24	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1			x						
JL	24-Oct-24	Fall Migration PC	PC24	10	AMRO	American Robin	<i>Turdus migratorius</i>	1				x					
JL	24-Oct-24	Fall Migration PC	PC25	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
JL	24-Oct-24	Fall Migration PC	PC25	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2					x				
JL	24-Oct-24	Fall Migration PC	PC25	10	AMRO	American Robin	<i>Turdus migratorius</i>	4			x						
JL	24-Oct-24	Fall Migration PC	PC25	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1				x					
JL	24-Oct-24	Fall Migration PC	PC26	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	6			x	x					
JL	24-Oct-24	Fall Migration PC	PC26	10	CORA	Common Raven	<i>Corvus corax</i>	3			x		x				
JL	24-Oct-24	Fall Migration PC	PC26	10	GHOW	Great Horned Owl	<i>Bubo virginianus</i>	1				x					
JL	24-Oct-24	Fall Migration PC	PC26	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2					x				
JL	24-Oct-24	Fall Migration PC	PC26	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1					x				
JL	24-Oct-24	Fall Migration PC	PC27	10	RBNU	Red-breasted Nuthatch	<i>Sitta canadensis</i>	1					x				
JL	24-Oct-24	Fall Migration PC	PC27	10	CORA	Common Raven	<i>Corvus corax</i>	2			x		x				
JL	24-Oct-24	Fall Migration PC	PC27	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1				x					
JL	24-Oct-24	Fall Migration PC	PC27	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	3				x	x				
JL	24-Oct-24	Fall Migration PC	PC27	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2					x				
JL	24-Oct-24	Fall Migration PC	PC27	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1				x					
JL	24-Oct-24	Fall Migration PC	PC27	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	4				x	x				
JL	24-Oct-24	Fall Migration PC	PC27	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	2					x				
JL	24-Oct-24	Fall Migration PC	PC27	10	AMRO	American Robin	<i>Turdus migratorius</i>	49				x	x		x	0-50	
JL	24-Oct-24	Fall Migration PC	PC29	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	9			x	x					
JL	24-Oct-24	Fall Migration PC	PC29	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2					x				
JL	24-Oct-24	Fall Migration PC	PC29	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1				x					
JL	24-Oct-24	Fall Migration PC	PC29	10	AMRO	American Robin	<i>Turdus migratorius</i>	1				x					
JL	24-Oct-24	Fall Migration PC	PC29	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1			x						
JL	24-Oct-24	Fall Migration PC	PC29	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	2					x				
JL	24-Oct-24	Fall Migration PC	PC29	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	4			x	x					
JL	24-Oct-24	Fall Migration PC	PC29	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1				x					
JL	24-Oct-24	Fall Migration PC	PC30	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1					x				
JL	24-Oct-24	Fall Migration PC	PC30	10	AMRO	American Robin	<i>Turdus migratorius</i>	1			x						
JL	24-Oct-24	Fall Migration PC	PC30	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1				x					
JL	24-Oct-24	Fall Migration PC	PC30	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1			x						
JL	24-Oct-24	Fall Migration PC	PC30	10	AMRO	American Robin	<i>Turdus migratorius</i>	1				x					
JL	24-Oct-24	Fall Migration PC	PC30	10	CORA	Common Raven	<i>Corvus corax</i>	2				x					
JL	24-Oct-24	Fall Migration PC	PC30	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1					x				
JL	24-Oct-24	Fall Migration PC	PC33	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1				x					
JL	24-Oct-24	Fall Migration PC	PC33	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	3			x	x					
JL	24-Oct-24	Fall Migration PC	PC33	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
JL	24-Oct-24	Fall Migration PC	PC33	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1					x				
JL	24-Oct-24	Fall Migration PC	PC33	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1				x					
JL	24-Oct-24	Fall Migration PC	PC33	10	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1			x						
JL	24-Oct-24	Fall Migration PC	PC34	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2					x				
JL	24-Oct-24	Fall Migration PC	PC34	10	AMRO	American Robin	<i>Turdus migratorius</i>	2			x						
JL	24-Oct-24	Fall Migration PC	PC34	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	3			x	x					
JL	24-Oct-24	Fall Migration PC	PC34	10	UNK-WP	Unknown woodpecker	N/A	1				x					
JL	24-Oct-24	Fall Migration PC	PC34	10	UNK-WF	Unknown waterfowl	N/A	1					x			0-50	
JL	24-Oct-24	Fall Migration PC	PC35	10	AMRO	American Robin	<i>Turdus migratorius</i>	1					x				
JL	24-Oct-24	Fall Migration PC	PC36	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2			x						
JL	24-Oct-24	Fall Migration PC	PC36	10	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	1			x						
JL	24-Oct-24	Fall Migration PC	PC46	10	RNDU	Ring-necked Duck	<i>Aythya collaris</i>	2				x					
JL	24-Oct-24	Fall Migration PC	PC46	10	AMRO	American Robin	<i>Turdus migratorius</i>	2				x					
JL	24-Oct-24	Fall Migration PC	PC46	10	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	4			x	x	x				
JL	24-Oct-24	Fall Migration PC	PC46	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	2					x				
JL	24-Oct-24	Fall Migration PC	PC46	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2				x					
JL	24-Oct-24	Fall Migration PC	PC46	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1			x						
JL	24-Oct-24	Fall Migration PC	PC46	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1				x					
JL	24-Oct-24	Fall Migration PC	PC46	10	BRCR	Brown Creeper	<i>Certhia americana</i>	1			x						

Table 8: 2024 and 2025 Fall Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
JL	24-Oct-24	Fall Migration PC	PC46	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
JL	24-Oct-24	Fall Migration PC	PC46	10	CORA	Common Raven	<i>Corvus corax</i>	2					X				
MM	22-Aug-24	Fall Migration PC	PC2	10	ALFL	Alder Flycatcher	<i>Empidonax alhorum</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC2	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	2				2					
MM	22-Aug-24	Fall Migration PC	PC2	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC2	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC2	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC2	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC2	10	YRWA	Yellow-rumped Warbler	<i>Dendroica coronata</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC2	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC2	10	MAWA	Magnolia Warbler	<i>Dendroica magnolia</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC2	10	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC2	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC2	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1				1					
MM	22-Aug-24	Fall Migration PC	PC2	10	HAWO	Hairy Woodpecker	<i>Picoides villosus</i>	1				1					
MM	22-Aug-24	Fall Migration PC	PC2	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	3				3					
MM	22-Aug-24	Fall Migration PC	PC3	10	COLO	Common Loon	<i>Gavia immer</i>	1				1					
MM	22-Aug-24	Fall Migration PC	PC3	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC3	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC3	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	5			2	3					
MM	22-Aug-24	Fall Migration PC	PC3	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC3	10	DOWO	Downy Woodpecker	<i>Picoides pubescens</i>	1									
MM	22-Aug-24	Fall Migration PC	PC3	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	2			2						
MM	22-Aug-24	Fall Migration PC	PC3	10	AMRE	American Redstart	<i>Setophaga ruticilla</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC3	10	MAWA	Magnolia Warbler	<i>Dendroica magnolia</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC3	10	AGOL	American Crow	<i>Corvus brachyrhynchos</i>	5				5					
MM	22-Aug-24	Fall Migration PC	PC3	10	AMGO	American Goldfinch	<i>Carduelis tristis</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC3	10	AMRO	American Robin	<i>Turdus migratorius</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC3	10	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	2			2						
MM	22-Aug-24	Fall Migration PC	PC4	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	5				5					
MM	22-Aug-24	Fall Migration PC	PC4	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1				1					
MM	22-Aug-24	Fall Migration PC	PC4	10	AGOL	American Goldfinch	<i>Carduelis tristis</i>	11			11						
MM	22-Aug-24	Fall Migration PC	PC4	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	4			4						
MM	22-Aug-24	Fall Migration PC	PC4	10	HOME	Hooded Merganser	<i>Lophodytes cucullatus</i>	4			4						
MM	22-Aug-24	Fall Migration PC	PC4	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC4	10	SEPL	Semipalmated Plover	<i>Charadrius semipalmatus</i>	2				2					
MM	22-Aug-24	Fall Migration PC	PC4	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1									
MM	22-Aug-24	Fall Migration PC	PC4	10	MAWA	Magnolia Warbler	<i>Dendroica magnolia</i>	1				1					
MM	22-Aug-24	Fall Migration PC	PC4	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC6	10	TEWA	Tennessee Warbler	<i>Vermivora peregrina</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC6	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC6	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC6	10	CORA	Common Raven	<i>Corvus corax</i>	1				1					
MM	22-Aug-24	Fall Migration PC	PC6	10	AGOL	American Goldfinch	<i>Carduelis tristis</i>	5			5						
MM	22-Aug-24	Fall Migration PC	PC6	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	2			2						
MM	22-Aug-24	Fall Migration PC	PC6	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	3			3						
MM	22-Aug-24	Fall Migration PC	PC6	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	3			3						
MM	22-Aug-24	Fall Migration PC	PC8	10	AGOL	American Goldfinch	<i>Carduelis tristis</i>	24			24						
MM	22-Aug-24	Fall Migration PC	PC8	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	2			2						
MM	22-Aug-24	Fall Migration PC	PC8	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	3			3						
MM	22-Aug-24	Fall Migration PC	PC8	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC8	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	3			3						
MM	22-Aug-24	Fall Migration PC	PC8	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC8	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC8	10	CORA	Common Raven	<i>Corvus corax</i>	1				1					
MM	22-Aug-24	Fall Migration PC	PC8	10	YRWA	Yellow-rumped Warbler	<i>Dendroica coronata</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC5	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	3			3						
MM	22-Aug-24	Fall Migration PC	PC5	10	ABDU	American Black Duck	<i>Anas rubripes</i>	2			2						
MM	22-Aug-24	Fall Migration PC	PC5	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1									
MM	22-Aug-24	Fall Migration PC	PC5	10	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC5	10	YRWA	Yellow-rumped Warbler	<i>Dendroica coronata</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC5	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC7	10	AGOL	American Goldfinch	<i>Carduelis tristis</i>	3			3						
MM	22-Aug-24	Fall Migration PC	PC7	10	CORA	Common Raven	<i>Corvus corax</i>	1				1					
MM	22-Aug-24	Fall Migration PC	PC7	10	YRWA	Yellow-rumped Warbler	<i>Dendroica coronata</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC7	10	NAWA	Nashville Warbler	<i>Vermivora ruficapilla</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC7	10	MAWA	Magnolia Warbler	<i>Dendroica magnolia</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC9	10	AGOL	American Goldfinch	<i>Carduelis tristis</i>	4			4						
MM	22-Aug-24	Fall Migration PC	PC9	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC9	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC10	10	COLO	Common Loon	<i>Gavia immer</i>	1				1					

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Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
MM	22-Aug-24	Fall Migration PC	PC10	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2			2						
MM	22-Aug-24	Fall Migration PC	PC10	10	AGOL	American Goldfinch	<i>Carduelis tristis</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC10	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC11	10	HOME	Hooded Merganser	<i>Lophodytes cucullatus</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC11	10	RUDU	Ruddy Duck	<i>Oxyura jamaicensis</i>	2			2						
MM	22-Aug-24	Fall Migration PC	PC11	10	COLO	Common Loon	<i>Gavia immer</i>	1				1					
MM	22-Aug-24	Fall Migration PC	PC20	10	AMRO	American Robin	<i>Turdus migratorius</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC20	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC20	10	AGOL	American Goldfinch	<i>Carduelis tristis</i>	3			3						
MM	22-Aug-24	Fall Migration PC	PC21	10	AGOL	American Goldfinch	<i>Carduelis tristis</i>	2			2						
MM	22-Aug-24	Fall Migration PC	PC21	10	AMRO	American Robin	<i>Turdus migratorius</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC21	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1			1						
MM	22-Aug-24	Fall Migration PC	PC22	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1				1					
MM	22-Aug-24	Fall Migration PC	PC22	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC24	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	3			2	1					
MM	23-Aug-24	Fall Migration PC	PC24	10	COLO	Common Loon	<i>Gavia immer</i>	1					1				
MM	23-Aug-24	Fall Migration PC	PC24	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC24	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC25	10	COLO	Common Loon	<i>Gavia immer</i>	1				1					
MM	23-Aug-24	Fall Migration PC	PC25	10	RBNU	Red-breasted Nuthatch	<i>Sitta canadensis</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC25	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC25	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC25	10	HAWO	Hairy Woodpecker	<i>Picoides villosus</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC25	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2				2					
MM	23-Aug-24	Fall Migration PC	PC25	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC25	10	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1				1					
MM	23-Aug-24	Fall Migration PC	PC25	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1				1					
MM	23-Aug-24	Fall Migration PC	PC26	10	CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC26	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	2				2					
MM	23-Aug-24	Fall Migration PC	PC26	10	CMWA	Cape May Warbler	<i>Dendroica tigrina</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC26	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC26	10	COME	Common Merganser	<i>Mergus merganser</i>	1			1			1			
MM	23-Aug-24	Fall Migration PC	PC26	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1				1					
MM	23-Aug-24	Fall Migration PC	PC26	10	AGOL	American Goldfinch	<i>Carduelis tristis</i>	2			2						
MM	23-Aug-24	Fall Migration PC	PC27	10	COLO	Common Loon	<i>Gavia immer</i>	2			1	1					
MM	23-Aug-24	Fall Migration PC	PC27	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC27	10	AGOL	American Coot	<i>Fulica americana</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC27	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC27	10	HERG	American Herring Gull	<i>Larus smithsonianus</i>	1				1					
MM	23-Aug-24	Fall Migration PC	PC27	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC27	10	AGOL	American Goldfinch	<i>Carduelis tristis</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC27	10	HAWO	Hairy Woodpecker	<i>Picoides villosus</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC27	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1				1					
MM	23-Aug-24	Fall Migration PC	PC29	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	7			7						
MM	23-Aug-24	Fall Migration PC	PC29	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	3			3						
MM	23-Aug-24	Fall Migration PC	PC29	10	SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC29	10	HAWO	Hairy Woodpecker	<i>Picoides villosus</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC29	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	2			2						
MM	23-Aug-24	Fall Migration PC	PC29	10	AGOL	American Goldfinch	<i>Carduelis tristis</i>	3			3						
MM	23-Aug-24	Fall Migration PC	PC29	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC29	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	3				3					
MM	23-Aug-24	Fall Migration PC	PC28	10	COLO	Common Loon	<i>Gavia immer</i>	2			2						
MM	23-Aug-24	Fall Migration PC	PC28	10	BEKI	Belted Kingfisher	<i>Megaceryle alcyon</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC28	10	PUFI	Purple Finch	<i>Carpodacus purpureus</i>	2			2						
MM	23-Aug-24	Fall Migration PC	PC28	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC28	10	HAWO	Hairy Woodpecker	<i>Picoides villosus</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC28	10	RBNU	Red-breasted Nuthatch	<i>Sitta canadensis</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC30	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC30	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	4			4						
MM	23-Aug-24	Fall Migration PC	PC36	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC36	10	HAWO	Hairy Woodpecker	<i>Picoides villosus</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC36	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1				1					
MM	23-Aug-24	Fall Migration PC	PC31	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC31	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	3			3						
MM	23-Aug-24	Fall Migration PC	PC31	10	DOWO	Downy Woodpecker	<i>Picoides pubescens</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC31	10	AGOL	American Goldfinch	<i>Carduelis tristis</i>	2			2						
MM	23-Aug-24	Fall Migration PC	PC32	10	AGOL	American Goldfinch	<i>Carduelis tristis</i>	2			2						
MM	23-Aug-24	Fall Migration PC	PC32	10	MERL	Merlin	<i>Falco columbarius</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC32	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC32	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1				1					
MM	23-Aug-24	Fall Migration PC	PC32	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1			1						

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Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
MM	23-Aug-24	Fall Migration PC	PC33	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC33	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC33	10	COLO	Common Loon	<i>Gavia immer</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC33	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC33	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC33	10	AGOL	American Goldfinch	<i>Carduelis tristis</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC33	10	COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1			1						
MM	23-Aug-24	Fall Migration PC	PC33	10	BTNW	Black-throated Green Warbler	<i>Dendroica virens</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC2	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC2	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC2	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC2	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1				1					
MM	28-Aug-24	Fall Migration PC	PC2	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1									
MM	28-Aug-24	Fall Migration PC	PC2	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1				1					
MM	28-Aug-24	Fall Migration PC	PC2	10	AMRO	American Robin	<i>Turdus migratorius</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC2	10	EUST	European Starling	<i>Sturnus vulgaris</i>	1				1					
MM	28-Aug-24	Fall Migration PC	PC3	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	2			2						
MM	28-Aug-24	Fall Migration PC	PC3	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	3			3						
MM	28-Aug-24	Fall Migration PC	PC3	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	15			15						
MM	28-Aug-24	Fall Migration PC	PC3	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC3	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC3	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC4	10	RNDU	Ring-necked Duck	<i>Aythya collaris</i>	3			3						
MM	28-Aug-24	Fall Migration PC	PC4	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2			2						
MM	28-Aug-24	Fall Migration PC	PC4	10	PUFI	Purple Finch	<i>Carpodacus purpureus</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC4	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	2			2						
MM	28-Aug-24	Fall Migration PC	PC4	10	AMGO	American Goldfinch	<i>Carduelis tristis</i>	3			3						
MM	28-Aug-24	Fall Migration PC	PC4	10	YRWA	Yellow-rumped Warbler	<i>Dendroica coronata</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC5	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	2			2						
MM	28-Aug-24	Fall Migration PC	PC5	10	YRWA	Yellow-rumped Warbler	<i>Dendroica coronata</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC5	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC7	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1				1					
MM	28-Aug-24	Fall Migration PC	PC7	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	3			3						
MM	28-Aug-24	Fall Migration PC	PC7	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC9	10	EVGR	Evening Grosbeak	<i>Coccothraustes vespertinus</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC9	10	BWHA	Broad-winged Hawk	<i>Buteo platypterus</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC9	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1				1					
MM	28-Aug-24	Fall Migration PC	PC9	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC9	10	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC9	10	TRES	Tree Swallow	<i>Tachycineta bicolor</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC9	10	AGOL	American Goldfinch	<i>Carduelis tristis</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC9	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC9	10	PEFA	Peregrine Falcon	<i>Falco peregrinus</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC10	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1				1					
MM	28-Aug-24	Fall Migration PC	PC10	10	HAWO	Hairy Woodpecker	<i>Picoides villosus</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC11	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC11	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	2			2						
MM	28-Aug-24	Fall Migration PC	PC11	10	HOME	Hooded Merganser	<i>Lophodytes cucullatus</i>	3			1	2					
MM	28-Aug-24	Fall Migration PC	PC11	10	HAWO	Hairy Woodpecker	<i>Picoides villosus</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC11	10	WODU	Wood Duck	<i>Aix sponsa</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC11	10	CORA	Common Raven	<i>Corvus corax</i>	1				1					
MM	28-Aug-24	Fall Migration PC	PC11	10	COGR	Common Grackle	<i>Quiscalus quiscula</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC11	10	AMRO	American Robin	<i>Turdus migratorius</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC11	10	AGOL	American Goldfinch	<i>Carduelis tristis</i>	3			3						
MM	28-Aug-24	Fall Migration PC	PC11	10	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	1			1						
MM	28-Aug-24	Fall Migration PC	PC6	10	CORA	Common Raven	<i>Corvus corax</i>	1				1					
MM	28-Aug-24	Fall Migration PC	PC6	10	AGOL	American Goldfinch	<i>Carduelis tristis</i>	2			2						
MM	25-Sep-24	Fall Migration PC	PC24	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2			2						
MM	25-Sep-24	Fall Migration PC	PC24	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1				1					
MM	25-Sep-24	Fall Migration PC	PC24	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC24	10	CORA	Common Raven	<i>Corvus corax</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC25	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	2			2						
MM	25-Sep-24	Fall Migration PC	PC25	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC25	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC25	10	COLO	Common Loon	<i>Gavia immer</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC25	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1				1					
MM	25-Sep-24	Fall Migration PC	PC25	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1				1					
MM	25-Sep-24	Fall Migration PC	PC25	10	SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC25	10	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC25	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC27	10	COLO	Common Loon	<i>Gavia immer</i>	1				1					

Table 8: 2024 and 2025 Fall Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
MM	25-Sep-24	Fall Migration PC	PC27	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC27	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC27	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC27	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC27	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC26	10	CAJA	Canada Jay	<i>Perisoreus canadensis</i>	3			3						
MM	25-Sep-24	Fall Migration PC	PC26	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC26	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC26	10	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC29	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2			2						
MM	25-Sep-24	Fall Migration PC	PC29	10	NOFL	Northern Flicker	<i>Colaptes auratus</i>	2			2						
MM	25-Sep-24	Fall Migration PC	PC29	10	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC29	10	CORA	Common Raven	<i>Corvus corax</i>	1				1					
MM	25-Sep-24	Fall Migration PC	PC30	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1									
MM	25-Sep-24	Fall Migration PC	PC30	10	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC30	10	CORA	Common Raven	<i>Corvus corax</i>	1				1					
MM	25-Sep-24	Fall Migration PC	PC34	10	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC34	10	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC34	10	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	3			3						
MM	25-Sep-24	Fall Migration PC	PC34	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC34	10	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC34	10	COLO	Common Loon	<i>Gavia immer</i>	1					1				
MM	25-Sep-24	Fall Migration PC	PC34	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2			2						
MM	25-Sep-24	Fall Migration PC	PC34	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	3			3						
MM	25-Sep-24	Fall Migration PC	PC34	10	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC34	10	CAJA	Canada Jay	<i>Perisoreus canadensis</i>	2				2					
MM	25-Sep-24	Fall Migration PC	PC34	10	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1				1					
MM	25-Sep-24	Fall Migration PC	PC34	10	BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC36	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC36	10	SOSP	Song Sparrow	<i>Melospiza melodia</i>	2			2						
MM	25-Sep-24	Fall Migration PC	PC36	10	RUGR	Ruffed Grouse	<i>Bonasa umbellus</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC37	10	AMRO	American Robin	<i>Turdus migratorius</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC37	10	REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1			1						
MM	25-Sep-24	Fall Migration PC	PC37	10	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1			1						
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	DCCO	Double-crested Cormorant	<i>Nannopterum auritum</i>	8							x		
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	BEKI	Belted Kingfisher	<i>Megaceryle alcyon</i>	3			x	x	x				
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	UNK-SHORE	Unknown shorebird	N/A	1				x					
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	4			x	x					
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	AGOL	American Goldfinch	<i>Spinus tristis</i>	5			x	x					
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	9			x	x	x				
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	BRCR	Brown Creeper	<i>Certhia americana</i>	1					x				
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	SSHA	Sharp-shinned Hawk	<i>Accipiter striatus</i>	1					x				
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	MERL	Merlin	<i>Falco columbarius</i>	1			x						
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	CANG	Canada Goose	<i>Branta canadensis</i>	4					x				
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	AMRO	American Robin	<i>Turdus migratorius</i>	2				x					
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	NOFL	Northern Flicker	<i>Colaptes auratus</i>	2				x	x				
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	OSPR	Osprey	<i>Pandion haliaetus</i>	1					x				
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	AHGU	American Herring Gull	<i>Larus smithsonianus</i>	4					x		x		
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	UNK-RAP	Unknown raptor	N/A	1					x				
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1					x				
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2			x						
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	3				x	x				
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	COGR	Common Grackle	<i>Quiscalus quiscula</i>	2					x				
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	UNK-WF	Unknown waterfowl	N/A	3					x				
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	RBME	Red-breasted Merganser	<i>Mergus serrator</i>	1			x						
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	AMRO	American Robin	<i>Turdus migratorius</i>	2			x	x					
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2				x					
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1				x					
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1					x				
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1			x						
JL	22-Aug-24	Fall Migration Diurnal Watch Count	DWC2	30	COME	Common Merganser	<i>Mergus merganser</i>	1			x						
JL	23-Aug-24	Fall Migration Diurnal Watch Count	DWC4	30	AGOL	American Goldfinch	<i>Spinus tristis</i>	17			x	x	x				
JL	23-Aug-24	Fall Migration Diurnal Watch Count	DWC4	30	AMRO	American Robin	<i>Turdus migratorius</i>	3			x	x					
JL	23-Aug-24	Fall Migration Diurnal Watch Count	DWC4	30	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	5			x		x				
JL	23-Aug-24	Fall Migration Diurnal Watch Count	DWC4	30	NOFL	Northern Flicker	<i>Colaptes auratus</i>	3				x	x				
JL	23-Aug-24	Fall Migration Diurnal Watch Count	DWC4	30	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	4			x	x					
JL	23-Aug-24	Fall Migration Diurnal Watch Count	DWC4	30	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	1			x						
JL	23-Aug-24	Fall Migration Diurnal Watch Count	DWC4	30	COLO	Common Loon	<i>Gavia immer</i>	1					x				
JL	23-Aug-24	Fall Migration Diurnal Watch Count	DWC4	30	BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	2			x	x					
JL	23-Aug-24	Fall Migration Diurnal Watch Count	DWC4	30	BBCU	Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>	1			x						
JL	23-Aug-24	Fall Migration Diurnal Watch Count	DWC4	30	CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	5			x	x					

Table 8: 2024 and 2025 Fall Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
JL	23-Aug-24	Fall Migration Diurnal Watch Count	DWC4	30	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	2			x						
JL	23-Aug-24	Fall Migration Diurnal Watch Count	DWC4	30	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	4			x	x					
JL	23-Aug-24	Fall Migration Diurnal Watch Count	DWC4	30	RTHU	Ruby-throated Hummingbird	<i>Archilochus colubris</i>	1			x						
JL	23-Aug-24	Fall Migration Diurnal Watch Count	DWC4	30	HOME	Hooded Merganser	<i>Lophodytes cucullatus</i>	2					x				
JL	23-Aug-24	Fall Migration Diurnal Watch Count	DWC4	30	CAJA	Canada Jay	<i>Perisoreus canadensis</i>	1				x					
LL	25-Sep-24	Fall Migration Diurnal Watch Count	DWC2	30	ABDU	American Black Duck	<i>Anas rubripes</i>	14			x						
LL	25-Sep-24	Fall Migration Diurnal Watch Count	DWC2	30	HOME	Hooded Merganser	<i>Lophodytes cucullatus</i>	1			x						
LL	25-Sep-24	Fall Migration Diurnal Watch Count	DWC2	30	DCCO	Double-crested Cormorant	<i>Nannopterum auritum</i>	156			x	x	x				
LL	25-Sep-24	Fall Migration Diurnal Watch Count	DWC2	30	ROPI	Rock Pigeon	<i>Columba livia</i>	2					x				
LL	25-Sep-24	Fall Migration Diurnal Watch Count	DWC2	30	RBGU	Ring-billed Gull	<i>Larus delawarensis</i>	4			x						
LL	25-Sep-24	Fall Migration Diurnal Watch Count	DWC2	30	AHGU	American Herring Gull	<i>Larus smithsonianus</i>	28			x	x	x				
LL	25-Sep-24	Fall Migration Diurnal Watch Count	DWC2	30	GBBG	Great Black-backed Gull	<i>Larus marinus</i>	2			x						
LL	25-Sep-24	Fall Migration Diurnal Watch Count	DWC2	30	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	3			x						
LL	25-Sep-24	Fall Migration Diurnal Watch Count	DWC2	30	TUVU	Turkey Vulture	<i>Cathartes aura</i>	1					x				
LL	25-Sep-24	Fall Migration Diurnal Watch Count	DWC2	30	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	2					x				
LL	25-Sep-24	Fall Migration Diurnal Watch Count	DWC2	30	RTHA	Red-tailed Hawk	<i>Buteo jamaicensis</i>	1					x				
LL	25-Sep-24	Fall Migration Diurnal Watch Count	DWC2	30	BWHA	Broad-winged Hawk	<i>Buteo platypterus</i>	1						x			
LL	25-Sep-24	Fall Migration Diurnal Watch Count	DWC2	30	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1			x						
LL	25-Sep-24	Fall Migration Diurnal Watch Count	DWC2	30	PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1			x						
LL	25-Sep-24	Fall Migration Diurnal Watch Count	DWC2	30	SOSP	Song Sparrow	<i>Melospiza melodia</i>	1			x						
LL	25-Sep-24	Fall Migration Diurnal Watch Count	DWC2	30	EVGR	Evening Grosbeak	<i>Coccothraustes vespertinus</i>	57					x				
LL	26-Sep-24	Fall Migration Diurnal Watch Count	DWC4	30	BLPW	Blackpoll Warbler	<i>Setophaga striata</i>	5							x		
LL	26-Sep-24	Fall Migration Diurnal Watch Count	DWC4	30	PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1							x		
LL	26-Sep-24	Fall Migration Diurnal Watch Count	DWC4	30	YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1							x		
LL	26-Sep-24	Fall Migration Diurnal Watch Count	DWC4	30	NOPA	Northern Parula	<i>Setophaga americana</i>	1							x		
LL	26-Sep-24	Fall Migration Diurnal Watch Count	DWC4	30	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	5			x						
LL	26-Sep-24	Fall Migration Diurnal Watch Count	DWC4	30	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2			x						
LL	26-Sep-24	Fall Migration Diurnal Watch Count	DWC4	30	HETH	Hermit Thrush	<i>Catharus guttatus</i>	1			x						
LL	26-Sep-24	Fall Migration Diurnal Watch Count	DWC4	30	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	3					x				
MM	23-Aug-24	Fall Migration Diurnal Watch Count	Dwc1	120	DCCO	Double-crested Cormorant	<i>Phalacrocorax auritus</i>	44			26	14	4				Coastal spit
MM	23-Aug-24	Fall Migration Diurnal Watch Count	Dwc1	120	CANG	Canada Goose	<i>Branta canadensis</i>	10			10						Coastal spit
MM	23-Aug-24	Fall Migration Diurnal Watch Count	Dwc1	120	BEKI	Belted Kingfisher	<i>Megaceryle alcyon</i>	2			2						Coastal spit
MM	23-Aug-24	Fall Migration Diurnal Watch Count	Dwc1	120	AGHU	American Herring Gull	<i>Larus smithsonianus</i>	9			6	2	1				Coastal spit
MM	23-Aug-24	Fall Migration Diurnal Watch Count	Dwc1	120	MERL	Merlin	<i>Falco columbarius</i>	1			1						Coastal spit
MM	23-Aug-24	Fall Migration Diurnal Watch Count	Dwc1	120	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	5			4	1					Coastal spit
MM	23-Aug-24	Fall Migration Diurnal Watch Count	Dwc1	120	RBGU	Ring-billed Gull	<i>Larus delawarensis</i>	6			4	2					Coastal spit
MM	23-Aug-24	Fall Migration Diurnal Watch Count	Dwc1	120	GBBG	Great Black-backed Gull	<i>Larus marinus</i>	2			1	1					Coastal spit
MM	25-Sep-24	Fall Migration Diurnal Watch Count	Dwc2	120	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	1			1						
MM	25-Sep-24	Fall Migration Diurnal Watch Count	Dwc2	120	RNDU	Ring-necked Duck	<i>Aythya collaris</i>	6			6						
MM	25-Sep-24	Fall Migration Diurnal Watch Count	Dwc2	120	HOME	Hooded Merganser	<i>Lophodytes cucullatus</i>	2			2						
MM	25-Sep-24	Fall Migration Diurnal Watch Count	Dwc2	120	ABDU	American Black Duck	<i>Anas rubripes</i>	5			5						
MM	25-Sep-24	Fall Migration Diurnal Watch Count	Dwc2	120	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	3			3						
MM	25-Sep-24	Fall Migration Diurnal Watch Count	Dwc2	120	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1			1						
MM	26-Sep-24	Fall Migration Diurnal Watch Count	Dwc3	120	COLO	Common Loon	<i>Gavia immer</i>	1			1						
MM	26-Sep-24	Fall Migration Diurnal Watch Count	dwc3	120	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1			1						
MM	26-Sep-24	Fall Migration Diurnal Watch Count	dwc3	120	SOSP	Song Sparrow	<i>Melospiza melodia</i>	2			2						
MM	26-Sep-24	Fall Migration Diurnal Watch Count	dwc3	120	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	4			2	1	1				
MM	26-Sep-24	Fall Migration Diurnal Watch Count	dwc3	120	AMRO	American Robin	<i>Turdus migratorius</i>	2			2						
MM	26-Sep-24	Fall Migration Diurnal Watch Count	dwc3	120	PISI	Pine Siskin	<i>Spinus pinus</i>	1			1						
MM	26-Sep-24	Fall Migration Diurnal Watch Count	dwc3	120	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1			1						
MM	26-Sep-24	Fall Migration Diurnal Watch Count	dwc3	120	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1			1						
MM	26-Sep-24	Fall Migration Diurnal Watch Count	dwc3	120	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1				1					
RM	23-Oct-24	Fall Migration Diurnal Watch Count	DWC2	30	RNDU	Ring-necked Duck	<i>Aythya collaris</i>	7				X				50-100	
RM	23-Oct-24	Fall Migration Diurnal Watch Count	DWC2	30	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	4				X			X		
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1					X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	AHGU	American Herring Gull	<i>Larus smithsonianus</i>	54			X	X	X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	GBBG	Great Black-backed Gull	<i>Larus marinus</i>	6				X	X	X			
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	RBGU	Ring-billed Gull	<i>Larus delawarensis</i>	8				X	X	X			
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	14			X	X	X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	DCCO	Double-crested Cormorant	<i>Nannopterum auritum</i>	49			X	X	X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	CORA	Common Raven	<i>Corvus corax</i>	2					X			50-100	
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1					X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	EUST	European Starling	<i>Sturnus vulgaris</i>	15					X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	3			X		X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	AMRO	American Robin	<i>Turdus migratorius</i>	1			X						
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	BLKI	Black-legged Kittiwake	<i>Rissa tridactyla</i>	12					X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	GRCO	Great Cormorant	<i>Phalacrocorax carbo</i>	2					X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	ROPI	Rock Pigeon	<i>Columba livia</i>	10					X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	NOGA	Northern Gannet	<i>Morus bassanus</i>	2					X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	BOGU	Bonaparte's Gull	<i>Chroicocephalus philadelphia</i>	5					X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	BLSC	Black Scoter	<i>Melanitta americana</i>	1					X				

Table 8: 2024 and 2025 Fall Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	LHSP	Leach's Storm-Petrel	<i>Hydrobates leucorhous</i>	4				X	X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1			X						
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	PEFA	Peregrine Falcon	<i>Falco peregrinus</i>	1					X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	SEPL	Semipalmated Plover	<i>Charadrius semipalmatus</i>	8					X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	SESA	Semipalmated Sandpiper	<i>Calidris pusilla</i>	12					X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	COGO	Common Goldeneye	<i>Bucephala clangula</i>	2					X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	DCCO	Double-crested Cormorant	<i>Nannopterum auritum</i>	4				X	X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	CANG	Canada Goose	<i>Branta canadensis</i>	4					X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	3					X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	HOME	Hooded Merganser	<i>Lophodytes cucullatus</i>	3					X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	ABDU	American Black Duck	<i>Anas rubripes</i>	2					X				
JL	23-Oct-24	Fall Migration Diurnal Watch Count	DWC1	30	MALL	Mallard	<i>Anas platyrhynchos</i>	3					X				
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC4	30	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	2			x						
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC4	30	CORA	Common Raven	<i>Corvus corax</i>	1				x					
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC4	30	BOCH	Boreal Chickadee	<i>Poecile hudsonica</i>	1			x						
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC4	30	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	3			x						
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	3			x						
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	AMRO	American Robin	<i>Turdus migratorius</i>	39			x	x	x		x		
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	CORA	Common Raven	<i>Corvus corax</i>	2					x				
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	4			x	x					
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	NOFL	Northern Flicker	<i>Colaptes auratus</i>	1					x				
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1			x						
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	AMCR	American Crow	<i>Corvus brachyrhynchos</i>	7				x	x				
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	BLJA	Blue Jay	<i>Cyanocitta cristata</i>	3				x	x				
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	5			x						
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1			x						
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	DOWO	Downy Woodpecker	<i>Dryobates pubescens</i>	1					x				
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2			x						
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	COME	Common Merganser	<i>Mergus merganser</i>	1				x					
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	COLO	Common Loon	<i>Gavia immer</i>	1					x				
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1					x				
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	AMRO	American Robin	<i>Turdus migratorius</i>	1			x					0-50	
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	2					x				
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	BOCH	Boreal Chickadee	<i>Poecile hudsonica</i>	1			x						
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	BCCH	Black-capped Chickadee	<i>Poecile atricapilla</i>	4			x						
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	3			x						
JL	24-Oct-24	Fall Migration Diurnal Watch Count	DWC3	30	BOCH	Boreal Chickadee	<i>Poecile hudsonica</i>	1			x						
	11-Aug-25	Fall Migration PC	PC55	10	Sosa	Solitary Sandpiper	<i>Tringa solitaria</i>	2	X					N		50-100	E to W
	11-Aug-25	Fall Migration PC	PC55		BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1	X			X		NW			
	11-Aug-25	Fall Migration PC	PC55		COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1			X			NW			
	11-Aug-25	Fall Migration PC	PC55		YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	2	1	1		X		NW			
	11-Aug-25	Fall Migration PC	PC55		AMRO	American Robin	<i>Turdus migratorius</i>	2	1			X		NW, N			
	11-Aug-25	Fall Migration PC	PC55		AGOL	American Goldfinch	<i>Spinus tristis</i>	4	1			X		NW			
	11-Aug-25	Fall Migration PC	PC55		HETH	Hermit Thrush	<i>Catharus guttatus</i>	1				X		SW			
	11-Aug-25	Fall Migration PC	PC55		CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	3				X		NE			
	11-Aug-25	Fall Migration PC	PC55		BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	3			X			S			
	11-Aug-25	Fall Migration PC	PC55		BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1			X			W			
	11-Aug-25	Fall Migration PC	PC55		SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	1			X			N			
	11-Aug-25	Fall Migration PC	PC53		REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1			X			E			
	11-Aug-25	Fall Migration PC	PC53		HETH	Hermit Thrush	<i>Catharus guttatus</i>	1				X		S			
	11-Aug-25	Fall Migration PC	PC53		RBNU	Red-breasted Nuthatch	<i>Sitta canadensis</i>	1				X		NW			
	11-Aug-25	Fall Migration PC	PC53		CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	3			X	1		S			
	11-Aug-25	Fall Migration PC	PC53		NOFL	Northern Flicker	<i>Colaptes auratus</i>	1			X			SE			
	11-Aug-25	Fall Migration PC	PC53		PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1						E	x	50-100	N to S
	11-Aug-25	Fall Migration PC	PC53		BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1				X		W			
	11-Aug-25	Fall Migration PC	PC53		BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1			X			S			
	11-Aug-25	Fall Migration PC	PC53		COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1			X			N			
	11-Aug-25	Fall Migration PC	PC53		WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1				X		NW			
	11-Aug-25	Fall Migration PC	PC53		NAWA	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1			X			S			
	11-Aug-25	Fall Migration PC	PC51		BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	5			X			N, S			
	11-Aug-25	Fall Migration PC	PC51		CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2			X			NW			
	11-Aug-25	Fall Migration PC	PC51		REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1				X		NE			
	11-Aug-25	Fall Migration PC	PC51		ALFL	Alder Flycatcher	<i>Empidonax alhorum</i>	1			X			S			
	11-Aug-25	Fall Migration PC	PC51		BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1			X			SW			
	11-Aug-25	Fall Migration PC	PC51		COLO	Common Loon	<i>Gavia immer</i>	1					X	E			
	11-Aug-25	Fall Migration PC	PC51		AMRO	American Robin	<i>Turdus migratorius</i>	1			X			W			
	11-Aug-25	Fall Migration PC	PC51		SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1				X		SW			
	11-Aug-25	Fall Migration PC	PC50		REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	2			X			NW, SW			
	11-Aug-25	Fall Migration PC	PC50		BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	2			X			E			
	11-Aug-25	Fall Migration PC	PC50		HETH	Hermit Thrush	<i>Catharus guttatus</i>	1				X		N			
	11-Aug-25	Fall Migration PC	PC50		NOFL	Northern Flicker	<i>Colaptes auratus</i>	1			X			NE			

Table 8: 2024 and 2025 Fall Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
	11-Aug-25	Fall Migration PC	PC50		AMRO	American Robin	<i>Turdus migratorius</i>	1				X		SW			
	11-Aug-25	Fall Migration PC	PC50		WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1					X	NW			
	11-Aug-25	Fall Migration PC	PC50		BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1			X			E			
	11-Aug-25	Fall Migration PC	PC50		RBNU	Red-breasted Nuthatch	<i>Sitta canadensis</i>	1			X			NW			
	11-Aug-25	Fall Migration PC	PC50		CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2	X		X			W	x	0-50	S to N
	11-Aug-25	Fall Migration PC	PC50		OSFL	Olive-sided Flycatcher	<i>Contopus cooperi</i>	1		X		X		NW			
	11-Aug-25	Fall Migration PC	PC50		COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X	X			N			
	11-Aug-25	Fall Migration PC	PC56		REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X	X			SW			
	11-Aug-25	Fall Migration PC	PC56		BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1		X	X			N			
	11-Aug-25	Fall Migration PC	PC56		CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	2		X	X			S			
	11-Aug-25	Fall Migration PC	PC56		AGOL	American Goldfinch	<i>Spinus tristis</i>	1		X	X			SW			
	11-Aug-25	Fall Migration PC	PC56		ALFL	Alder Flycatcher	<i>Empidonax alhorum</i>	1		X	X			W			
	11-Aug-25	Fall Migration PC	PC56		SWTH	Swainson's Thrush	<i>Catharus ustulatus</i>	1		X	X			S			
	11-Aug-25	Fall Migration PC	PC56		HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1		X.	X			N			
	11-Aug-25	Fall Migration PC	PC56		HETH	Hermit Thrush	<i>Catharus guttatus</i>	2				X		SE, SW			
	11-Aug-25	Fall Migration PC	PC56		BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	X			W			
	11-Aug-25	Fall Migration PC	PC56		MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X	X			W			
	11-Aug-25	Fall Migration PC	PC56		YEWA	Yellow Warbler	<i>Setophaga petechia</i>	1		X	X			W			
	11-Aug-25	Fall Migration PC	PC56		BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X	X			SW			
	11-Aug-25	Fall Migration PC	PC56		WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1		X	X			N			
	11-Aug-25	Fall Migration PC	PC56		PUFI	Purple Finch	<i>Haemorhous purpureus</i>	2		X					x	50-100	NE to SW
	11-Aug-25	Fall Migration PC	PC56		BAEA	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1						S	x	0-50	SW to NE
	11-Aug-25	Fall Migration PC	PC57		MAWA	Magnolia Warbler	<i>Setophaga magnolia</i>	1		X	X			W			
	11-Aug-25	Fall Migration PC	PC57		CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1		X	X			NE			
	11-Aug-25	Fall Migration PC	PC57		HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X		X		S			
	11-Aug-25	Fall Migration PC	PC57		AGOL	American Goldfinch	<i>Spinus tristis</i>	2		X				W	x	0-50	N to S
	11-Aug-25	Fall Migration PC	PC57		YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1	X	X	X			N	x	0-50	NE to SW
	11-Aug-25	Fall Migration PC	PC57		REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X	X			W			
	11-Aug-25	Fall Migration PC	PC57		BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1		X	X			E			
	11-Aug-25	Fall Migration PC	PC57		AMRO	American Robin	<i>Turdus migratorius</i>	1		X		X		N			
	11-Aug-25	Fall Migration PC	PC57		CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	1		X		X		N			
	11-Aug-25	Fall Migration PC	PC57		NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		X	X			SW	x	0-50	N to S
	11-Aug-25	Fall Migration PC	PC57		AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		X	X			E			
	11-Aug-25	Fall Migration PC	PC59		REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1		X		X		W			
	11-Aug-25	Fall Migration PC	PC59		AGOL	American Goldfinch	<i>Spinus tristis</i>	1		X		X		SW			
	11-Aug-25	Fall Migration PC	PC59		AMRE	American Redstart	<i>Setophaga ruticilla</i>	1		X		X		E			
	11-Aug-25	Fall Migration PC	PC59		BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X		X		NE			
	11-Aug-25	Fall Migration PC	PC59		HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X		X		W			
	11-Aug-25	Fall Migration PC	PC59		CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	1		X		X		E			
	11-Aug-25	Fall Migration PC	PC59		NOFL	Northern Flicker	<i>Colaptes auratus</i>	1		X		X		SE			
	11-Aug-25	Fall Migration PC	PC59		PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1		X					x	100-150	
	11-Aug-25	Fall Migration PC	PC58		CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	10		X	X			N		0-50	NE to SW
	11-Aug-25	Fall Migration PC	PC58		BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	6		X	X			SW			
	11-Aug-25	Fall Migration PC	PC58		AMRO	American Robin	<i>Turdus migratorius</i>	3		X	X			N, S			
	11-Aug-25	Fall Migration PC	PC58		COLO	Common Loon	<i>Gavia immer</i>	7		X			X	S			
	11-Aug-25	Fall Migration PC	PC58		Diving duck sp	#N/A	#N/A	4					X	S			
	11-Aug-25	Fall Migration PC	PC58		BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	2		X	X			S			
	11-Aug-25	Fall Migration PC	PC58		COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X	X			NW			
	11-Aug-25	Fall Migration PC	PC52		COGR	Common Grackle	<i>Quiscalus quiscula</i>	1		X					x	50-100	N to S
	11-Aug-25	Fall Migration PC	PC52		WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2		X	X			SE			
	11-Aug-25	Fall Migration PC	PC52		COYE	Common Yellowthroat	<i>Geothlypis trichas</i>	1		X	X			E			
	11-Aug-25	Fall Migration PC	PC52		GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2		X	X			W			
	11-Aug-25	Fall Migration PC	PC52		BAWW	Black-and-white Warbler	<i>Mniotilta varia</i>	1		X	X			E			
	11-Aug-25	Fall Migration PC	PC52		CAWA	Canada Warbler	<i>Cardellina canadensis</i>	1		X	X			SE			Singing
	11-Aug-25	Fall Migration PC	PC54		BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	4		X	X			SE			
	11-Aug-25	Fall Migration PC	PC54		HETH	Hermit Thrush	<i>Catharus guttatus</i>	1		X	X			W			
JL	15-Sep-25	Fall Migration PC	PC55		blja	Blue Jay	<i>Cyanocitta cristata</i>	2									
JL	15-Sep-25	Fall Migration PC	PC55		coye	Common Yellowthroat	<i>Geothlypis trichas</i>	2									
JL	15-Sep-25	Fall Migration PC	PC55		amcr	American Crow	<i>Corvus brachyrhynchos</i>	3									
JL	15-Sep-25	Fall Migration PC	PC55		yrga	Yellow-rumped Warbler	<i>Setophaga coronata</i>	2									
JL	15-Sep-25	Fall Migration PC	PC55		bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	4									
JL	15-Sep-25	Fall Migration PC	PC55		gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	8									
JL	15-Sep-25	Fall Migration PC	PC55		nofl	Northern Flicker	<i>Colaptes auratus</i>	1									
JL	15-Sep-25	Fall Migration PC	PC55		swsp	Swamp Sparrow	<i>Melospiza georgiana</i>	1									
JL	15-Sep-25	Fall Migration PC	PC55		sosp	Song Sparrow	<i>Melospiza melodia</i>	2									
JL	15-Sep-25	Fall Migration PC	PC54		cora	Common Raven	<i>Corvus corax</i>	2									
JL	15-Sep-25	Fall Migration PC	PC54		baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1									
JL	15-Sep-25	Fall Migration PC	PC54		brcr	Brown Creeper	<i>Certhia americana</i>	1									
JL	15-Sep-25	Fall Migration PC	PC54		oven	Ovenbird	<i>Seiurus aurocapilla</i>	2									
JL	15-Sep-25	Fall Migration PC	PC54		caja	Canada Jay	<i>Perisoreus canadensis</i>	2									
JL	15-Sep-25	Fall Migration PC	PC54		bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	2									

Table 8: 2024 and 2025 Fall Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
JL	15-Sep-25	Fall Migration PC	PC54		gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	3									
JL	15-Sep-25	Fall Migration PC	PC54		cora	Common Raven	<i>Corvus corax</i>	1									
JL	15-Sep-25	Fall Migration PC	PC54		blja	Blue Jay	<i>Cyanocitta cristata</i>	2									
JL	15-Sep-25	Fall Migration PC	PC54		cmwa	Cape May Warbler	<i>Setophaga tigrina</i>	1									
JL	15-Sep-25	Fall Migration PC	PC53		pawa	Palm Warbler	<i>Setophaga palmarum</i>	1									
JL	15-Sep-25	Fall Migration PC	PC53		btnw	Black-throated Green Warbler	<i>Setophaga virens</i>	1									
JL	15-Sep-25	Fall Migration PC	PC53		mawa	Magnolia Warbler	<i>Setophaga magnolia</i>	2									
JL	15-Sep-25	Fall Migration PC	PC53		deju	Dark-eyed Junco	<i>Junco hyemalis</i>	5									
JL	15-Sep-25	Fall Migration PC	PC53		agol	American Goldfinch	<i>Spinus tristis</i>	3									
JL	15-Sep-25	Fall Migration PC	PC53		amro	American Robin	<i>Turdus migratorius</i>	1									
JL	15-Sep-25	Fall Migration PC	PC53		blja	Blue Jay	<i>Cyanocitta cristata</i>	1									
JL	15-Sep-25	Fall Migration PC	PC53		cedw	Cedar Waxwing	<i>Bombycilla cedrorum</i>	3									
JL	15-Sep-25	Fall Migration PC	PC52		blja	Blue Jay	<i>Cyanocitta cristata</i>	6									
JL	15-Sep-25	Fall Migration PC	PC52		baww	Black-and-white Warbler	<i>Mniotilta varia</i>	2									
JL	15-Sep-25	Fall Migration PC	PC52		noff	Northern Flicker	<i>Colaptes auratus</i>	2									
JL	15-Sep-25	Fall Migration PC	PC52		cedw	Cedar Waxwing	<i>Bombycilla cedrorum</i>	4	x	x					x		
JL	15-Sep-25	Fall Migration PC	PC52		gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	4									
JL	15-Sep-25	Fall Migration PC	PC52		bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	2									
JL	15-Sep-25	Fall Migration PC	PC52		ybsa	Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	1									
JL	15-Sep-25	Fall Migration PC	PC52		bhvi	Blue-headed Vireo	<i>Vireo solitarius</i>	2									
JL	15-Sep-25	Fall Migration PC	PC52		revi	Red-eyed Vireo	<i>Vireo olivaceus</i>	1									
JL	15-Sep-25	Fall Migration PC	PC52		agol	American Goldfinch	<i>Spinus tristis</i>	4									
JL	15-Sep-25	Fall Migration PC	PC52		yrwa	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1									
JL	15-Sep-25	Fall Migration PC	PC52		cora	Common Raven	<i>Corvus corax</i>	1									
JL	15-Sep-25	Fall Migration PC	PC52		piwo	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1		x			x				
JL	15-Sep-25	Fall Migration PC	PC52		rugr	Ruffed Grouse	<i>Bonasa umbellus</i>	1									
JL	15-Sep-25	Fall Migration PC	PC51		bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	2									
JL	15-Sep-25	Fall Migration PC	PC51		blja	Blue Jay	<i>Cyanocitta cristata</i>	2									
JL	15-Sep-25	Fall Migration PC	PC51		gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2									
JL	15-Sep-25	Fall Migration PC	PC51		noff	Northern Flicker	<i>Colaptes auratus</i>	2									
JL	15-Sep-25	Fall Migration PC	PC51		agol	American Goldfinch	<i>Spinus tristis</i>	4									
JL	15-Sep-25	Fall Migration PC	PC51		pufi	Purple Finch	<i>Haemorhous purpureus</i>	2									
JL	15-Sep-25	Fall Migration PC	PC51		amro	American Robin	<i>Turdus migratorius</i>	1									
JL	15-Sep-25	Fall Migration PC	PC51		wtsp	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1									
JL	15-Sep-25	Fall Migration PC	PC51		cedw	Cedar Waxwing	<i>Bombycilla cedrorum</i>	8									
JL	15-Sep-25	Fall Migration PC	PC50		blja	Blue Jay	<i>Cyanocitta cristata</i>	6									
JL	15-Sep-25	Fall Migration PC	PC50		rtha	Red-tailed Hawk	<i>Buteo jamaicensis</i>	1									
JL	15-Sep-25	Fall Migration PC	PC50		cora	Common Raven	<i>Corvus corax</i>	1									
JL	15-Sep-25	Fall Migration PC	PC50		wtsp	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2									
JL	15-Sep-25	Fall Migration PC	PC50		deju	Dark-eyed Junco	<i>Junco hyemalis</i>	8									
JL	15-Sep-25	Fall Migration PC	PC50		coye	Common Yellowthroat	<i>Geothlypis trichas</i>	1									
JL	15-Sep-25	Fall Migration PC	PC50		sosp	Song Sparrow	<i>Melospiza melodia</i>	1									
JL	15-Sep-25	Fall Migration PC	PC50		pawa	Palm Warbler	<i>Setophaga palmarum</i>	2									
JL	15-Sep-25	Fall Migration PC	PC50		agol	American Goldfinch	<i>Spinus tristis</i>	7									
JL	15-Sep-25	Fall Migration PC	PC50		amcr	American Crow	<i>Corvus brachyrhynchos</i>	1									
JL	15-Sep-25	Fall Migration PC	PC50		nopa	Northern Parula	<i>Setophaga americana</i>	1									
JL	15-Sep-25	Fall Migration PC	PC50		baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1									
JL	15-Sep-25	Fall Migration PC	PC56		merl	Merlin	<i>Falco columbarius</i>	1									
JL	15-Sep-25	Fall Migration PC	PC56		amcr	American Crow	<i>Corvus brachyrhynchos</i>	1									
JL	15-Sep-25	Fall Migration PC	PC56		deju	Dark-eyed Junco	<i>Junco hyemalis</i>	4									
JL	15-Sep-25	Fall Migration PC	PC56		wtsp	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1									
JL	15-Sep-25	Fall Migration PC	PC56		amro	American Robin	<i>Turdus migratorius</i>	2									
JL	15-Sep-25	Fall Migration PC	PC56		agol	American Goldfinch	<i>Spinus tristis</i>	5									
JL	15-Sep-25	Fall Migration PC	PC56		gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2									
JL	15-Sep-25	Fall Migration PC	PC56		cedw	Cedar Waxwing	<i>Bombycilla cedrorum</i>	5									
JL	15-Sep-25	Fall Migration PC	PC56		lisp	Lincoln's Sparrow	<i>Melospiza lincolni</i>	1									
JL	15-Sep-25	Fall Migration PC	PC57		rugr	Ruffed Grouse	<i>Bonasa umbellus</i>	1									
JL	15-Sep-25	Fall Migration PC	PC57		heth	Hermit Thrush	<i>Catharus guttatus</i>	2									
JL	15-Sep-25	Fall Migration PC	PC57		coye	Common Yellowthroat	<i>Geothlypis trichas</i>	2									
JL	15-Sep-25	Fall Migration PC	PC57		nawa	Nashville Warbler	<i>Leiothlypis ruficapilla</i>	1									
JL	15-Sep-25	Fall Migration PC	PC57		noff	Northern Flicker	<i>Colaptes auratus</i>	1									
JL	15-Sep-25	Fall Migration PC	PC57		bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	16									
JL	15-Sep-25	Fall Migration PC	PC57		baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1									
JL	15-Sep-25	Fall Migration PC	PC57		pawa	Palm Warbler	<i>Setophaga palmarum</i>	3									
JL	15-Sep-25	Fall Migration PC	PC57		blja	Blue Jay	<i>Cyanocitta cristata</i>	2									
JL	15-Sep-25	Fall Migration PC	PC57		amro	American Robin	<i>Turdus migratorius</i>	1									
JL	15-Sep-25	Fall Migration PC	PC57		hawo or dowo	#N/A	#N/A	1									
JL	15-Sep-25	Fall Migration PC	PC57		blpw	Blackpoll Warbler	<i>Setophaga striata</i>	2									
JL	15-Sep-25	Fall Migration PC	PC57		rkci	Ruby-crowned Kinglet	<i>Corthylio calendula</i>	2									
JL	15-Sep-25	Fall Migration PC	PC57		gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	8									
JL	15-Sep-25	Fall Migration PC	PC57		rbnu	Red-breasted Nuthatch	<i>Sitta canadensis</i>	2									

Table 8: 2024 and 2025 Fall Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
JL	15-Sep-25	Fall Migration PC	PC57		boch	Boreal Chickadee	<i>Poecile hudsonicus</i>	3									
JL	15-Sep-25	Fall Migration PC	PC57		yrwa	Yellow-rumped Warbler	<i>Setophaga coronata</i>	2									
JL	15-Sep-25	Fall Migration PC	PC57		deju	Dark-eyed Junco	<i>Junco hyemalis</i>	6									
JL	15-Sep-25	Fall Migration PC	PC58		cogr	Common Grackle	<i>Quiscalus quiscula</i>	2	x	x					x		
JL	15-Sep-25	Fall Migration PC	PC58		baea	Bald Eagle	<i>Haliaeetus leucocephalus</i>	1	x				x				
JL	15-Sep-25	Fall Migration PC	PC58		beki	Belted Kingfisher	<i>Megaceryle alcyon</i>	1									
JL	15-Sep-25	Fall Migration PC	PC58		yrwa	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1									
JL	15-Sep-25	Fall Migration PC	PC58		baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1									
JL	15-Sep-25	Fall Migration PC	PC58		agol	American Goldfinch	<i>Spinus tristis</i>	4									
JL	15-Sep-25	Fall Migration PC	PC58		nofl	Northern Flicker	<i>Colaptes auratus</i>	1									
JL	15-Sep-25	Fall Migration PC	PC58		cago	Canada Goose	<i>Branta canadensis</i>	6									
JL	15-Sep-25	Fall Migration PC	PC58		swsp	Swamp Sparrow	<i>Melospiza georgiana</i>	1									
JL	15-Sep-25	Fall Migration PC	PC58		sosp	Song Sparrow	<i>Melospiza melodia</i>	2									
JL	15-Sep-25	Fall Migration PC	PC58		amro	American Robin	<i>Turdus migratorius</i>	1									
JL	15-Sep-25	Fall Migration PC	PC58		blja	Blue Jay	<i>Cyanocitta cristata</i>	4									
JL	15-Sep-25	Fall Migration PC	PC58		coye	Common Yellowthroat	<i>Geothlypis trichas</i>	1									
JL	15-Sep-25	Fall Migration PC	PC58		heth	Hermit Thrush	<i>Catharus guttatus</i>	1									
JL	15-Sep-25	Fall Migration PC	PC58		colo	Common Loon	<i>Gavia immer</i>	1		x			x				
JL	15-Sep-25	Fall Migration PC	PC58		sosa	Solitary Sandpiper	<i>Tringa solitaria</i>	1	x			x					
JL	15-Sep-25	Fall Migration PC	PC58		amcr	American Crow	<i>Corvus brachyrhynchos</i>	4									
JL	15-Sep-25	Fall Migration PC	PC58		mall	Mallard	<i>Anas platyrhynchos</i>	1									
JL	15-Sep-25	Fall Migration PC	PC58		rbnu	Red-breasted Nuthatch	<i>Sitta canadensis</i>	2									
JL	15-Sep-25	Fall Migration PC	PC58		agol	American Goldfinch	<i>Spinus tristis</i>	4									
JL	15-Sep-25	Fall Migration PC	PC58		gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2									
JL	15-Sep-25	Fall Migration PC	PC58		blja	Blue Jay	<i>Cyanocitta cristata</i>	3									
JL	15-Sep-25	Fall Migration PC	PC58		cora	Common Raven	<i>Corvus corax</i>	2									
JL	15-Sep-25	Fall Migration PC	PC58		coye	Common Yellowthroat	<i>Geothlypis trichas</i>	1									
JL	15-Sep-25	Fall Migration PC	PC58		bcch	Black-capped Chickadee	<i>Poecile atricapillus</i>	1									
JL	15-Sep-25	Fall Migration PC	PC59		gcki	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2									
JL	15-Sep-25	Fall Migration PC	PC59		blja	Blue Jay	<i>Cyanocitta cristata</i>	1									
JL	15-Sep-25	Fall Migration PC	PC59		amcr	American Crow	<i>Corvus brachyrhynchos</i>	1									
JL	15-Sep-25	Fall Migration PC	PC59		baww	Black-and-white Warbler	<i>Mniotilta varia</i>	1									
JL	15-Sep-25	Fall Migration PC	PC59		tuvu	Turkey Vulture	<i>Cathartes aura</i>	1	x			x					
BF	6-Oct-25	Fall Migration PC	PC55		PISI	Pine Siskin	<i>Spinus pinus</i>	2							X	0-50	N to S
BF	6-Oct-25	Fall Migration PC	PC55		SWSP	Swamp Sparrow	<i>Melospiza georgiana</i>	3									
BF	6-Oct-25	Fall Migration PC	PC55		SOSP	Song Sparrow	<i>Melospiza melodia</i>	1									
BF	6-Oct-25	Fall Migration PC	PC55		BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	4									
BF	6-Oct-25	Fall Migration PC	PC55		DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	2									
BF	6-Oct-25	Fall Migration PC	PC55		AMRO	American Robin	<i>Turdus migratorius</i>	3							2	50-100	S to NE
BF	6-Oct-25	Fall Migration PC	PC55	BLACKBIRD SPP STARKING		#N/A	#N/A	15									
BF	6-Oct-25	Fall Migration PC	PC55		WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	3							X	50-100	E o W
BF	6-Oct-25	Fall Migration PC	PC55		AGOL	American Goldfinch	<i>Spinus tristis</i>	1									
BF	6-Oct-25	Fall Migration PC	PC55		AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1									
BF	6-Oct-25	Fall Migration PC	PC53		BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	7									
BF	6-Oct-25	Fall Migration PC	PC53		BLJA	Blue Jay	<i>Cyanocitta cristata</i>	4									
BF	6-Oct-25	Fall Migration PC	PC53		DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	8									
BF	6-Oct-25	Fall Migration PC	PC53		PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1									
BF	6-Oct-25	Fall Migration PC	PC53		CORA	Common Raven	<i>Corvus corax</i>	1									
BF	6-Oct-25	Fall Migration PC	PC53		AGOL	American Goldfinch	<i>Spinus tristis</i>	1									
BF	6-Oct-25	Fall Migration PC	PC53		YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1							X	0-50	W to E
BF	6-Oct-25	Fall Migration PC	PC53		Sparrow sp.	#N/A	#N/A	1									
BF	6-Oct-25	Fall Migration PC	PC53		WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1									
BF	6-Oct-25	Fall Migration PC	PC53		PAWA	Palm Warbler	<i>Setophaga palmarum</i>	1									
BF	6-Oct-25	Fall Migration PC	PC53		AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1									
BF	6-Oct-25	Fall Migration PC	PC53		GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1									
BF	6-Oct-25	Fall Migration PC	PC52		AMCR	American Crow	<i>Corvus brachyrhynchos</i>	1									
BF	6-Oct-25	Fall Migration PC	PC52		WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	2									
BF	6-Oct-25	Fall Migration PC	PC52		AGOL	American Goldfinch	<i>Spinus tristis</i>	1									
BF	6-Oct-25	Fall Migration PC	PC52		PUFI	Purple Finch	<i>Haemorhous purpureus</i>	2							X	50-100	N to S
BF	6-Oct-25	Fall Migration PC	PC52		YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	2									
BF	6-Oct-25	Fall Migration PC	PC52		BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1									
BF	6-Oct-25	Fall Migration PC	PC52		UNKNOWN FLY	#N/A	#N/A	2									
BF	6-Oct-25	Fall Migration PC	PC52		AMRO	American Robin	<i>Turdus migratorius</i>	7							5	50-100	SW to NE
BF	6-Oct-25	Fall Migration PC	PC52		Unknown fly	#N/A	#N/A	1							5	50-100	
BF	6-Oct-25	Fall Migration PC	PC52		HETH	Hermit Thrush	<i>Catharus guttatus</i>	2									
BF	6-Oct-25	Fall Migration PC	PC52		REVI	Red-eyed Vireo	<i>Vireo olivaceus</i>	1									
BF	6-Oct-25	Fall Migration PC	PC52		CORA	Common Raven	<i>Corvus corax</i>	1									
BF	6-Oct-25	Fall Migration PC	PC50		BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	15									
BF	6-Oct-25	Fall Migration PC	PC50		GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	8									
BF	6-Oct-25	Fall Migration PC	PC50		PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1							X	50-100	NE to saw
BF	6-Oct-25	Fall Migration PC	PC50		AGOL	American Goldfinch	<i>Spinus tristis</i>	1									

Table 8: 2024 and 2025 Fall Migration Survey Results - Aulds Cove Wind Project

Observer	Date	Survey Type	Survey Location	Total Survey Time (mins)	Species Code	Common Name	Scientific Name	#	Seen	Heard	Distance			Bearing	Fly-by	Pass Height	Comments
											<50 m	50 - 100 m	100 m +				
BF	6-Oct-25	Fall Migration PC	PC50		CORA	Common Raven	<i>Corvus corax</i>	1									
BF	6-Oct-25	Fall Migration PC	PC50		WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1									
BF	6-Oct-25	Fall Migration PC	PC50		PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1									
BF	6-Oct-25	Fall Migration PC	PC50		BOCH	Boreal Chickadee	<i>Poecile hudsonicus</i>	2									
BF	6-Oct-25	Fall Migration PC	PC50		YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	3									
BF	6-Oct-25	Fall Migration PC	PC50		HAWO	Hairy Woodpecker	<i>Dryobates villosus</i>	1									
BF	6-Oct-25	Fall Migration PC	PC50		BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1									
BF	6-Oct-25	Fall Migration PC	PC50		AMRO	American Robin	<i>Turdus migratorius</i>	1									
BF	6-Oct-25	Fall Migration PC	PC56		AMRO	American Robin	<i>Turdus migratorius</i>	1									
BF	6-Oct-25	Fall Migration PC	PC56		BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	10									
BF	6-Oct-25	Fall Migration PC	PC56		PUFI	Purple Finch	<i>Haemorhous purpureus</i>	1									
BF	6-Oct-25	Fall Migration PC	PC56		PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1									
BF	6-Oct-25	Fall Migration PC	PC56		CORA	Common Raven	<i>Corvus corax</i>	1									
BF	6-Oct-25	Fall Migration PC	PC56		DOWO	Downy Woodpecker	<i>Picoides pubescens</i>	1									
BF	6-Oct-25	Fall Migration PC	PC56		YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1									
BF	6-Oct-25	Fall Migration PC	PC56		WTSP	White-throated Sparrow	<i>Zonotrichia albicollis</i>	1									
BF	6-Oct-25	Fall Migration PC	PC56		COGR	Common Grackle	<i>Quiscalus quiscula</i>	8							X	50-100	NE to SW
BF	6-Oct-25	Fall Migration PC	PC56		GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1									
BF	6-Oct-25	Fall Migration PC	PC57		AMKE	American Kestrel	<i>Falco sparverius</i>	1									
BF	6-Oct-25	Fall Migration PC	PC57		BLJA	Blue Jay	<i>Cyanocitta cristata</i>	2									
BF	6-Oct-25	Fall Migration PC	PC57		NOFL	Northern Flicker	<i>Colaptes auratus</i>	2									
BF	6-Oct-25	Fall Migration PC	PC57		BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1									
BF	6-Oct-25	Fall Migration PC	PC57		DEJU	Dark-eyed Junco	<i>Junco hyemalis</i>	1									
BF	6-Oct-25	Fall Migration PC	PC57		PIWO	Pileated Woodpecker	<i>Dryocopus pileatus</i>	1									
BF	6-Oct-25	Fall Migration PC	PC57		PAWA	Palm Warbler	<i>Setophaga palmarum</i>	2			1			1		0-50	NE to SW
BF	6-Oct-25	Fall Migration PC	PC57		CEDW	Cedar Waxwing	<i>Bombycilla cedrorum</i>	16						X		50-100	NE to SW
BF	6-Oct-25	Fall Migration PC	PC58		AMRO	American Robin	<i>Turdus migratorius</i>	4									
BF	6-Oct-25	Fall Migration PC	PC58		RBNH	Red-breasted Nuthatch	<i>Sitta canadensis</i>	1									
BF	6-Oct-25	Fall Migration PC	PC58		CORA	Common Raven	<i>Corvus corax</i>	1									
BF	6-Oct-25	Fall Migration PC	PC58		BLJA	Blue Jay	<i>Cyanocitta cristata</i>	1									
BF	6-Oct-25	Fall Migration PC	PC58		COME	Common Merganser	<i>Mergus merganser</i>	3									
BF	6-Oct-25	Fall Migration PC	PC58		GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	1									
BF	6-Oct-25	Fall Migration PC	PC58		BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	6									
BF	6-Oct-25	Fall Migration PC	PC58		YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	2									
BF	6-Oct-25	Fall Migration PC	PC58		SOSP	Song Sparrow	<i>Melospiza melodia</i>	1									
BF	6-Oct-25	Fall Migration PC	PC59		HETH	Hermit Thrush	<i>Catharus guttatus</i>	1									
BF	6-Oct-25	Fall Migration PC	PC59		GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	2									
BF	6-Oct-25	Fall Migration PC	PC59		BLJA	Blue Jay	<i>Cyanocitta cristata</i>	3									
BF	6-Oct-25	Fall Migration PC	PC59		CORA	Common Raven	<i>Corvus corax</i>	1									
BF	6-Oct-25	Fall Migration PC	PC59		PUFI	Purple Finch	<i>Haemorhous purpureus</i>	3						x		50-100	NE to SW
BF	6-Oct-25	Fall Migration PC	PC59		BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	4									
BF	6-Oct-25	Fall Migration PC	PC59		YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	1									
BF	6-Oct-25	Fall Migration PC	PC51		BCCH	Black-capped Chickadee	<i>Poecile atricapillus</i>	1									
BF	6-Oct-25	Fall Migration PC	PC51		HETH	Hermit Thrush	<i>Catharus guttatus</i>	1									
BF	6-Oct-25	Fall Migration PC	PC51		YRWA	Yellow-rumped Warbler	<i>Setophaga coronata</i>	3						1		0-50	N to S
BF	6-Oct-25	Fall Migration PC	PC51		PUFI	Purple Finch	<i>Haemorhous purpureus</i>	3						X		50-100	NE to SW
BF	6-Oct-25	Fall Migration PC	PC51		AGOL	American Goldfinch	<i>Spinus tristis</i>	1									
BF	6-Oct-25	Fall Migration PC	PC51		DOWO	Downy Woodpecker	<i>Picoides pubescens</i>	1									
BF	6-Oct-25	Fall Migration PC	PC54		GCKI	Golden-crowned Kinglet	<i>Regulus satrapa</i>	3									

Table 9: 2024-2025 Fall Migration Survey Results Summary - Aulds Cove Wind Project

Project #24-10440

Common Name	Scientific Name	COSEWIC	SARA	ESA	ACCDC S-Rank	Count
Alder Flycatcher	<i>Empidonax alnorum</i>	Not Listed	Not Listed	Not Listed	S5B	3
American Black Duck	<i>Anas rubripes</i>	Not Listed	Not Listed	Not Listed	S5B,S5N	38
American Coot	<i>Fulica americana</i>	Not at Risk	Not Listed	Not Listed	S1B	1
American Crow	<i>Corvus brachyrhynchos</i>	Not Listed	Not Listed	Not Listed	S5	179
American Goldfinch	<i>Spinus tristis</i>	Not Listed	Not Listed	Not Listed	S5	213
American Herring Gull	<i>Larus argentatus</i>	Not Listed	Not Listed	Not Listed	S5	98
American Kestrel	<i>Falco sparverius</i>	Not Listed	Not Listed	Not Listed	S3B,S4S5M	1
American Redstart	<i>Setophaga ruticilla</i>	Not Listed	Not Listed	Not Listed	S5B	5
American Robin	<i>Turdus migratorius</i>	Not Listed	Not Listed	Not Listed	S5B,S3N	303
Bald Eagle	<i>Haliaeetus leucocephalus</i>	Not at Risk	Not Listed	Not Listed	S5	25
Bay-breasted Warbler	<i>Setophaga castanea</i>	Not Listed	Not Listed	Not Listed	S3S4B,S4S5M	2
Belted Kingfisher	<i>Megasceryle alcyon</i>	Not Listed	Not Listed	Not Listed	S4S5B	14
Black Scoter	<i>Melanitta americana</i>	Not Listed	Not Listed	Not Listed	S4N	1
Black-and-white Warbler	<i>Mniotilta varia</i>	Not Listed	Not Listed	Not Listed	S5B	28
Black-backed Woodpecker	<i>Picoides arcticus</i>	Not Listed	Not Listed	Not Listed	S3S4	1
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>	Not Listed	Not Listed	Not Listed	S3B	2
Blackburnian Warbler	<i>Setophaga fusca</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	1
Black-capped Chickadee	<i>Poecile atricapillus</i>	Not Listed	Not Listed	Not Listed	S5	244
Black-legged Kittiwake	<i>Rissa tridactyla</i>	Not Listed	Not Listed	Not Listed	S2S3B	12
Blackpoll Warbler	<i>Setophaga striata</i>	Not Listed	Not Listed	Not Listed	S3B,S5M	86
Black-throated Green Warbler	<i>Setophaga virens</i>	Not Listed	Not Listed	Not Listed	S5B	8
Blue Jay	<i>Cyanocitta cristata</i>	Not Listed	Not Listed	Not Listed	S5	175
Blue-headed Vireo	<i>Vireo solitarius</i>	Not Listed	Not Listed	Not Listed	S5B	7
Blue-winged Teal	<i>Spatula discors</i>	Not Listed	Not Listed	Not Listed	S3B	2
Bohemian Waxwing	<i>Bombycilla garrulus</i>	Not Listed	Not Listed	Not Listed	S4N	10
Bonaparte's Gull	<i>Chroicocephalus philadelphia</i>	Not Listed	Not Listed	Not Listed	S5M	5
Boreal Chickadee	<i>Poecile hudsonicus</i>	Not Listed	Not Listed	Not Listed	S3	17
Broad-winged Hawk	<i>Buteo platypterus</i>	Not Listed	Not Listed	Not Listed	S5B	4
Brown Creeper	<i>Certhia americana</i>	Not Listed	Not Listed	Not Listed	S5	4
Canada Goose	<i>Branta canadensis</i>	Not Listed	Not Listed	Not Listed	SUB,S4N,S5M	44
Canada Jay	<i>Perisoreus canadensis</i>	Not Listed	Not Listed	Not Listed	S3	21
Canada Warbler	<i>Cardellina canadensis</i>	Special Concern	Threatened	Endangered	S3B	3
Cape May Warbler	<i>Setophaga tigrina</i>	Not Listed	Not Listed	Not Listed	S3B,SUM	5
Cedar Waxwing	<i>Bombycilla cedrorum</i>	Not Listed	Not Listed	Not Listed	S5B	157
Common Eider	<i>Somateria mollissima</i>	Not Listed	Not Listed	Not Listed	S2B,S2N,S4M	4
Common Goldeneye	<i>Bucephala clangula</i>	Not Listed	Not Listed	Not Listed	S4B,S4N,S5M	2
Common Grackle	<i>Quiscalus quiscula</i>	Not Listed	Not Listed	Not Listed	S5B	22
Common Loon	<i>Gavia immer</i>	Not at Risk	Not Listed	Not Listed	S4B	47
Common Merganser	<i>Mergus merganser</i>	Not Listed	Not Listed	Not Listed	S5B,S4N	6
Common Raven	<i>Corvus corax</i>	Not Listed	Not Listed	Not Listed	S5	67
Common Yellowthroat	<i>Geothlypis trichas</i>	Not Listed	Not Listed	Not Listed	S5B	28
Dark-eyed Junco	<i>Junco hyemalis</i>	Not Listed	Not Listed	Not Listed	S4S5	123

Table 9: 2024-2025 Fall Migration Survey Results Summary - Aulds Cove Wind Project

Project #24-10440

Common Name	Scientific Name	COSEWIC	SARA	ESA	ACCDC S-Rank	Count
Double-crested Cormorant	<i>Nannopterum auritum</i>	Not at Risk	Not Listed	Not Listed	S5B	273
Downy Woodpecker	<i>Dryobates pubescens</i>	Not Listed	Not Listed	Not Listed	S5	12
European Starling	<i>Sturnus vulgaris</i>	Not Listed	Not Listed	Not Listed	SNA	19
Evening Grosbeak	<i>Coccothraustes vespertinus</i>	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	63
Golden-crowned Kinglet	<i>Regulus satrapa</i>	Not Listed	Not Listed	Not Listed	S5	159
Great Black-backed Gull	<i>Larus marinus</i>	Not Listed	Not Listed	Not Listed	S4S5	10
Great Blue Heron	<i>Ardea herodias</i>	Not Listed	Not Listed	Not Listed	S4B,S4S5M	2
Great Cormorant	<i>Phalacrocorax carbo</i>	Not Listed	Not Listed	Not Listed	S2S3B,S2S3N	2
Great Horned Owl	<i>Bubo virginianus</i>	Not Listed	Not Listed	Not Listed	S4	1
Hairy Woodpecker	<i>Dryobates villosus</i>	Not Listed	Not Listed	Not Listed	S5	19
Hermit Thrush	<i>Catharus guttatus</i>	Not Listed	Not Listed	Not Listed	S5B	38
Hooded Merganser	<i>Lophodytes cucullatus</i>	Not Listed	Not Listed	Not Listed	S4S5B,S5M	18
Leach's Storm-Petrel	<i>Hydrobates leucorhous</i>	Threatened	Not Listed	Not Listed	S3B	4
Least Flycatcher	<i>Empidonax minimus</i>	Not Listed	Not Listed	Not Listed	S4S5B,S5M	1
Lincoln's Sparrow	<i>Melospiza lincolni</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	2
Magnolia Warbler	<i>Setophaga magnolia</i>	Not Listed	Not Listed	Not Listed	S5B	11
Mallard	<i>Anas platyrhynchos</i>	Not Listed	Not Listed	Not Listed	S5B,S5N	7
Merlin	<i>Falco columbarius</i>	Not at Risk	Not Listed	Not Listed	S5B	4
Mourning Dove	<i>Zenaida macroura</i>	Not Listed	Not Listed	Not Listed	S5	4
Nashville Warbler	<i>Leiothlypis ruficapilla</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	5
Northern Flicker	<i>Colaptes auratus</i>	Not Listed	Not Listed	Not Listed	S5B	68
Northern Gannet	<i>Morus bassanus</i>	Not Listed	Not Listed	Not Listed	SHB	2
Northern Harrier	<i>Circus hudsonius</i>	Not at Risk	Not Listed	Not Listed	S4B,S4S5M	1
Northern Parula	<i>Setophaga americana</i>	Not Listed	Not Listed	Not Listed	S5B	6
Northern Waterthrush	<i>Parkesia noveboracensis</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	1
Olive-sided Flycatcher	<i>Contopus cooperi</i>	Special Concern	Special Concern	Threatened	S3B	1
Osprey	<i>Pandion haliaetus</i>	Not Listed	Not Listed	Not Listed	S4S5B,S5M	3
Ovenbird	<i>Seiurus aurocapilla</i>	Not Listed	Not Listed	Not Listed	S5B	8
Palm Warbler	<i>Setophaga palmarum</i>	Not Listed	Not Listed	Not Listed	S5B	23
Peregrine Falcon - anatum/tundrius population	<i>Falco peregrinus pop. 1</i>	Not at Risk	Not Listed	Vulnerable	S1B,SUM	2
Pied-billed Grebe	<i>Podilymbus podiceps</i>	Not Listed	Not Listed	Not Listed	S4B	1
Pileated Woodpecker	<i>Dryocopus pileatus</i>	Not Listed	Not Listed	Not Listed	S5	36
Pine Siskin	<i>Spinus pinus</i>	Not Listed	Not Listed	Not Listed	S3	27
Purple Finch	<i>Haemorhous purpureus</i>	Not Listed	Not Listed	Not Listed	S4S5B,S3S4N,S5M	40
Red-breasted Merganser	<i>Mergus serrator</i>	Not Listed	Not Listed	Not Listed	S3B,S4S5N,S5M	1
Red-breasted Nuthatch	<i>Sitta canadensis</i>	Not Listed	Not Listed	Not Listed	S4S5	14
Red-eyed Vireo	<i>Vireo olivaceus</i>	Not Listed	Not Listed	Not Listed	S5B	28
Red-tailed Hawk	<i>Buteo jamaicensis</i>	Not at Risk	Not Listed	Not Listed	S5	3
Ring-billed Gull	<i>Larus delawarensis</i>	Not Listed	Not Listed	Not Listed	SUB,S5N	18
Ring-necked Duck	<i>Aythya collaris</i>	Not Listed	Not Listed	Not Listed	S5B	74
Rock Pigeon	<i>Columba livia</i>	Not Listed	Not Listed	Not Listed	SNA	12
Ruby-crowned Kinglet	<i>Corthylio calendula</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	2

Table 9: 2024-2025 Fall Migration Survey Results Summary - Aulds Cove Wind Project

Project #24-10440

Common Name	Scientific Name	COSEWIC	SARA	ESA	ACCDC S-Rank	Count
Ruby-throated Hummingbird	<i>Archilochus colubris</i>	Not Listed	Not Listed	Not Listed	S5B	1
Ruddy Duck	<i>Oxyura jamaicensis</i>	Not Listed	Not Listed	Not Listed	S1B	9
Ruffed Grouse	<i>Bonasa umbellus</i>	Not Listed	Not Listed	Not Listed	S5	26
Savannah Sparrow	<i>Passerculus sandwichensis</i>	Not Listed	Not Listed	Not Listed	S4S5B,S5M	2
Semipalmated Plover	<i>Charadrius semipalmatus</i>	Not Listed	Not Listed	Not Listed	S1B,S4M	10
Semipalmated Sandpiper	<i>Calidris pusilla</i>	Not Listed	Not Listed	Not Listed	S3M	12
Sharp-shinned Hawk	<i>Accipiter striatus</i>	Not at Risk	Not Listed	Not Listed	S5	2
Solitary Sandpiper	<i>Tringa solitaria</i>	Not Listed	Not Listed	Not Listed	SUB,S3S4M	3
Song Sparrow	<i>Melospiza melodia</i>	Not Listed	Not Listed	Not Listed	S5B	47
Spruce Grouse	<i>Canachites canadensis</i>	Not Listed	Not Listed	Not Listed	S4	2
Swainson's Thrush	<i>Catharus ustulatus</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	10
Swamp Sparrow	<i>Melospiza georgiana</i>	Not Listed	Not Listed	Not Listed	S5B	33
Tennessee Warbler	<i>Leiothlypis peregrina</i>	Not Listed	Not Listed	Not Listed	S3S4B,S5M	1
Tree Swallow	<i>Tachycineta bicolor</i>	Not Listed	Not Listed	Not Listed	S4B	1
Turkey Vulture	<i>Cathartes aura</i>	Not Listed	Not Listed	Not Listed	S2S3B,S4S5M	2
Unknown raptor	N/A	N/A	N/A	N/A	N/A	4
Unknown shorebird	N/A	N/A	N/A	N/A	N/A	1
Unknown songbird	N/A	N/A	N/A	N/A	N/A	75
Unknown waterfowl	N/A	N/A	N/A	N/A	N/A	8
Unknown woodpecker	N/A	N/A	N/A	N/A	N/A	2
White-throated Sparrow	<i>Zonotrichia albicollis</i>	Not Listed	Not Listed	Not Listed	S4S5B,S5M	60
White-winged Crossbill	<i>Loxia leucoptera</i>	Not Listed	Not Listed	Not Listed	S4S5	11
Wood Duck	<i>Aix sponsa</i>	Not Listed	Not Listed	Not Listed	S5B	1
Yellow Warbler	<i>Setophaga petechia</i>	Not Listed	Not Listed	Not Listed	S5B	1
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	Not Listed	Not Listed	Not Listed	S5B	3
Yellow-rumped Warbler	<i>Setophaga coronata</i>	Not Listed	Not Listed	Not Listed	S5B	94

Table 10: Incidental Observations From All 2024 and 2025 Field Programs - Auld's Cove Wind Project**Project # 24-10440**

Season	Year	Common Name	#
Fall	2024	Accipiter sp.	1
Spring	2025	American Kestrel	1
Spring	2025	American Kestrel	1
Spring	2025	Bald Eagle	1
Spring	2025	Blackpoll Warbler	2
Spring	2025	Canada Goose	1
Spring	2025	Canada Jay	1
Spring	2025	Canada Jay	1
Fall	2025	Canada Jay	1
Fall	2025	Canada Jay	6
Spring	2025	Canada Jay	1
Summer	2025	Canada Warbler	1
Summer	2025	Canada Warbler	1
Spring	2025	Common Loon	2
Summer	2025	Common Nighthawk	2
Summer	2025	Common Nighthawk	2
Summer	2025	Common Nighthawk	2
Summer	2025	Common Nighthawk	1
Summer	2025	Common Nighthawk	1
Fall	2025	Common Nighthawk	1
Fall	2025	Common Nighthawk	2
Fall	2025	Common Nighthawk	1
Spring	2025	Hooded Merganser	2
Spring	2025	Hooded Merganser	2
Spring	2025	Least Flycatcher	1
Summer	2025	Olive-sided Flycatcher	1
Summer	2025	Olive-sided Flycatcher	1
Fall	2024	Red-tailed Hawk	1
Spring	2025	Red-tailed Hawk	2
Spring	2025	Ring-necked Duck	2
Spring	2025	Ring-necked Duck	2
Spring	2025	Rusty Blackbird	1
Spring	2025	Rusty Blackbird	2
Spring	2025	Turkey Vulture	3

Table 11: 2025 Incidental Survey Results Summary - Aulds Cove Wind Project

Project #24-10440

Species	Scientific Name	COSEWIC	SARA	ESA	S-Rank	SOCI	Total Count
Accipiter sp.	N/A	N/A	N/A	N/A	N/A		1
American Kestrel	<i>Falco sparverius</i>	Not Listed	Not Listed	Not Listed	S3B,S4S5M	Yes	2
Bald Eagle	<i>Haliaeetus leucocephalus</i>	Not at Risk	Not Listed	Not Listed	S5		1
Blackpoll Warbler	<i>Setophaga striata</i>	Not Listed	Not Listed	Not Listed	S3B,S5M	Yes	2
Canada Goose	<i>Branta canadensis</i>	Not Listed	Not Listed	Not Listed	SUB,S4N,S5M	Yes	1
Canada Jay	<i>Perisoreus canadensis</i>	Not Listed	Not Listed	Not Listed	S3	Yes	10
Canada Warbler	<i>Cardellina canadensis</i>	Special Concern	Threatened	Endangered	S3B	Yes	2
Common Loon	<i>Gavia immer</i>	Not at Risk	Not Listed	Not Listed	S4B		2
Common Nighthawk	<i>Chordeiles minor</i>	Special Concern	Special Concern	Threatened	S3B	Yes	12
Hooded Merganser	<i>Lophodytes cucullatus</i>	Not Listed	Not Listed	Not Listed	S5B		4
Least Flycatcher	<i>Empidonax minimus</i>	Not Listed	Not Listed	Not Listed	S4S5B,S5M		1
Olive-sided Flycatcher	<i>Contopus cooperi</i>	Special Concern	Special Concern	Threatened	S3B	Yes	2
Red-tailed Hawk	<i>Buteo jamaicensis</i>	Not at Risk	Not Listed	Not Listed	S5		3
Ring-necked Duck	<i>Aythya collaris</i>	Not Listed	Not Listed	Not Listed	S5B		4
Rusty Blackbird	<i>Euphagus carolinus</i>	Special Concern	Special Concern	Endangered	S2B	Yes	3
Turkey Vulture	<i>Cathartes aura</i>	Not Listed	Not Listed	Not Listed	S2S3B,S4S5M	Yes	3

APPENDIX M

AVIFAUNA SUPPLEMENTARY METHODS AND RESULTS

METHODS

Potential Habitat Modelling

Potential avian species at risk (SAR) habitat modelling was completed for the following species: Canada warbler, common nighthawk, eastern wood-pewee, evening grosbeak, olive-sided flycatcher, and rusty blackbird. Methods are provided below for each species.

Canada Warbler

To account for moist forests with a dense, deciduous shrub layer, complex understory, and available perch trees, the Nova Scotia Environment and Climate Change (NSECC) wet areas mapping (WAM) GIS layer (NSECC, 2022) was filtered to include values up to 0.5 m depth to water. The Nova Scotia Natural Resources (NSNR) forestry GIS inventory data (NSNR, 2021) was queried to include the FORNON code 39, which are areas where in part 'Alders' comprise 75% or more of the total canopy. Records where the leading species (SP1) was indicated as larch (*Larix laricina*), red maple (*Acer rubrum*), balsam fir (*Abies balsamea*), and black spruce (*Picea mariana*) were used in the model. Stands including larch as the second or third species were included as well. To account for wetland features and their respective edge habitat, all wetlands from the Canadian Wetland Inventory (CNWI) data (ECCC, 2024) were included. These methods are consistent with habitat requirements outlined in the Environment and Climate Change Canada (ECCC) Recovery Strategy for the Canada Warbler (*Cardellina canadensis*) in Canada (2016a).

Common Nighthawk

Open ground and/or clearings for nesting (e.g., sandy areas, open forests, grasslands, wetlands, barrens, and other rocky areas) were considered from the land cover classification (from the flora and habitat baseline section). A 10 m buffer was included on the road network, including unpaved forestry roads [Government of Nova Scotia's Topographic Database (GeoNOVA, 2024)], to account for push up topography features from past road construction. The CNWI was filtered to include only open wetland types (e.g., bog, bog or fen, fen, marsh). The land cover types of 'Urban, Landfill, Quarry, Transport Corridor', 'Utility Corridor', or 'Blueberries or Barren' were queried. These methods are consistent with habitat requirements outlined in the ECCC Recovery Strategy for the Common Nighthawk (*Chordeiles minor*) in Canada (2016b).

Eastern Wood-pewee

All hardwood-dominated stands from the land cover classification were included with the additional criterion of crown closure being less than or equal to 30%. Stands included in the model included those where the species found in the SP1 field were:

- Large tooth (*Populus grandidentata*) and trembling aspen (*Populus tremuloides*)
- Black (*Fraxinus nigra*) and white ash (*Fraxinus americana*)
- Black cherry (*Prunus serotina*)
- American beech (*Fagus grandifolia*)
- Balsam poplar (*Populus balsamifera*)
- White elm (*Ulmus americana*)

- Gray birch (*Betula populifolia*)
- Yellow birch (*Betula alleghaniensis*)
- White birch (*Betula papyrifera*)
- Ironwood (*Ostrya virginiana*)
- Oak (*Quercus rubra*)
- Red maple
- Sugar maple (*Acer saccharum*)
- Willow (*Salix* spp.)
- Shade tolerant hardwood, a combination of sugar maple, yellow birch, American beech, and red oak
- Shade intolerant hardwood, a combination of red maple and white birch
- Other hardwood
- Unclassified hardwood
- Unclassified species

All CNWI wetlands received a 50 m internal and external buffer on their boundaries to include edge habitat, and rivers and streams that were represented by a polyline received a 50 m buffer to include edge habitat. A 50 m buffer was also placed on the edges of waterbodies but did not include the waterbody itself. This wet-areas-derived layer was then merged and only edge habitat that connected or intersected with the forestry criteria above was included using the point density method (described below). Any areas that intersected but were less than 100 m² were eliminated. These methods are consistent with habitat requirements outlined in the ECCC Management Plan for the Eastern Wood-pewee (*Contopus virens*) in Canada [Proposed] (2023).

Evening Grosbeak

The forest inventory data was used to select stands where the SP1 field indicated that the stand was dominated by large tooth or trembling aspen. Since nesting occurs in large, mature, mixedwood stands with a high percentage of fir, spruce, tamarack, pine, and aspen, these were filtered from SP1 to include all pine, fir, and spruce species in addition to tamarack that comprised greater than 50% but less than 70% of a given stand.

Filtering was conducted on fields SP1, SP2, SP3, and SP4 to capture stands where any of the following species made up any proportion of the canopy:

- Eastern larch
- Austrian pine (*Pinus nigra*)
- Jack pine (*Pinus banksiana*)
- Red pine (*Pinus resinosa*)
- Scots pine (*Pinus sylvestris*)
- White pine (*Pinus strobus*)
- Balsam fir
- Douglas fir (*Pseudotsuga menziesii*)
- Black spruce

- Norway spruce (*Picea abies*)
- Red spruce (*Picea rubens*)
- Sitka spruce (*Picea sitchensis*)
- White spruce (*Picea glauca*)
- Red and black spruce mixed stand

For further analysis, each layer was converted to its respective percentage values for composition by species then summed and queried to select for stands that were greater than or equal to 50% but less than 70% softwood composition. These methods are consistent with habitat requirements outlined in the ECCC Management Plan for the Evening Grosbeak (*Coccothraustes vespertinus*) in Canada (2022).

Olive-sided Flycatcher

The forest inventory data were filtered to select for stands where the leading species attribute included any of the following species:

- Black spruce
- Red spruce
- White spruce
- Scots pine
- Red pine
- Jack pine
- Eastern hemlock (*Tsuga canadensis*)

The archived Crown harvest plans and harvest land cover class received a 20 m internal buffer to include only edge habitat. All wetlands were included from the CNWI data. Burn data was also included as habitat in the analysis. A large burn area from 2020 intersects the study area.

Further filtering the leading species attribute field to a height greater than 12 m was not completed due to the resulting significant habitat loss. These methods are consistent with habitat requirements outlined in the ECCC Recovery Strategy for the Olive-sided Flycatcher (*Contopus cooperi*) in Canada (2016).

Rusty Blackbird

The forest inventory data was filtered based on potential wet softwood forests (e.g., fir and all spruce near water bodies or wetlands). This included:

- Balsam fir
- Black spruce
- Norway spruce
- Red spruce
- White spruce

To capture wet areas containing the specified softwood and potential softwood-dominated treed swamps, the forestry data were intersected with wet areas mapping of 50 cm or less and the CNWI database. Large open-water wetlands (i.e., swamps and marshes) were also included based on aerial imagery. These methods are consistent with habitat requirements outlined in the ECCC Management Plan for the Rusty Blackbird (*Euphagus carolinus*) in Canada (2015).

Point Density Method

The point density method is used when high resolution data is queried and/or filtered to match habitat criteria and results in non-contiguous areas or small isolated areas requiring post processing to identify only ecologically meaningful habitat.

Each of the habitat criteria was reclassified to a binary scale (e.g., potential habitat or no potential habitat). With a binary raster created, points were generated on a per cell basis (e.g., one point representing the centroid of each potential habitat cell). The resulting data derivative represents the spatial extent and distribution of the habitat criteria by point geometries.

The points density tool is run on the point layer, calculating the number of input points per unit area within a set search radius. The output is a continuous raster surface of relative density values. The search radius is set accordingly to eliminate small irrelevant patches of habitat while identifying those that are less fragmented. For example, a search radius of 50 m was used to help identify areas of low point density and to help remove slivers of edge habitat which had been buffered but lacked adjacent habitat. This also helps remove single isolated habitat cells. The low-density areas correspond to isolated or fragmented small patches of habitat.

In further detail, the areas of higher density indicate clusters of suitable habitats where contiguous clusters are more likely to function as ecological cores. These areas are more likely to support stable populations with breeding, foraging, and nesting, due to increased resource availability and lower predation risk (Wang et al., 2025). Therefore, the point density method creates a potential habitat layer that can be constrained accordingly to delineate clusters of larger continuous habitat at the landscape scale.

Avian Radar System Assessment

Avian radar assessments were undertaken during the 2024 fall and 2025 spring and summer monitoring periods to understand and measure the patterns of migrating birds over the Study Area. Avian radar assessments focused on nocturnal avian migration as most avian migration events occur at night and there is higher risk of interactions with wind turbines during evening (Berthold, 1997; Helm & Gwinner, 2006; Newton, 2023, p. 200). The avian radar system (ARS) was deployed from August 21 to November 25 in 2024 and from April 23 to August 9 in 2025. During the deployment periods, one Simrad Halo 20 pulse compression marine surveillance ARS was used and was angled diagonally at 45° above the horizon. The ARS consisted of two x-band pulse-compression surveillance radars within its system, oriented specifically to scan the airspace approximately 50 m to 600 m above the Project. The diagonal orientation allowed for a 180° scan of the airspace above the radar while the 180° below the radar is blanked to

avoid ground interference. The diagonal orientation also allowed for the calculation of the height of any potential avian target.

The ARS was run from an off-grid, 12 V battery system designed for prolonged remote active monitoring without the need for constant maintenance. It was designed to charge and store energy using solar panels and a battery bank, while powering the radar and associated equipment for data collection and remote communications.

A central location directly northwest of Grant Lake and within the Study Area was chosen for ARS deployment during both the 2024 and 2025 deployments. Based on preliminary interpretation of 2024 results, a minor hardware adjustment was made during the 2025 monitoring period to reduce interference (Drawing 7.33). This location provided a good line of sight (with relatively few trees in the immediate area) into the airspace above the Project, southern exposure for solar charging, sufficient cellular and satellite coverage for remote communications, and vehicular accessibility for equipment deployment and maintenance. The ARS was mounted approximately 1.7 m off the ground to minimize ground noise interference and lessen the impacts of local microtopography on data collection and clarity.

During the 2024 and 2025 monitoring seasons, the ARS was temporarily offline for short periods due to insufficient battery charge and data storage limitations. In 2024, the ARS was offline for 39 days including September 8, September 29 to October 3, October 10 to 28, November 5 to 13, and November 18 to 25. In 2025, the ARS was offline for 15 days including May 19 to 20, June 15 to 26, and July 28 to 29.

There will be a second year of radar monitoring prior to Project operations.

Avian Radar Assessment

Avian radar assessment results for the 2024 fall monitoring period were processed using radR, an open-source platform designed for the processing of radar data for biological applications (Taylor et al., 2010). Outputs from this platform were then analyzed using Microsoft Excel. Standard settings for the identification of biological targets (BTs), such as birds and bats, were used. Targets reflected by the radar generated blips in the image of the radar scan. The radR platform helps filter sequential images of radar scans to identify blips that occur in the same area over at least four out of five scans. Should these constraints be met, a BT is generated.

Avian radar assessment results for the 2025 spring and summer monitoring periods were processed using the Cognitive Marine Tracker (CMT) platform, a proprietary platform designed for tracking radar targets and specifically tuned for biological applications. BTs detected by the radar generate blips in the image of the radar scan. The CMT platform helps filter sequential images of radar scans to identify blips that occur in the same area over at least two scans. Should these conditions be met, a track is generated, representing a single BT.

The CMT platform can detect BTs more consistently than the radR platform but has a shorter range of detections. Notably, radR can detect targets flying up to an altitude of 3,000 m, while CMT can detect targets flying up to a distance of 500 m; this distance is sufficient given the

rotor swept area of the wind turbines associated with the Project is 35 m to 200 m. BTs detected by both platforms are most likely generated by avian species, but can also be bats and insects, or even drones and planes.

Weather occurrences, such as fog, rain, and low cloud cover, may cause interference with the radar (similarly to weather radar), which lowers the effectiveness of the system and reduces the system's ability to detect birds. As such, data were excluded from the analysis when rainfall was ≥ 0.5 mm per hour. Rainfall data were obtained from ECCC's Port Hawkesbury Weather Station (ECCC, 2025).

Discussion of Migration Cues in Radar Results

The nature of migratory bird activity is likely attributable in large part to weather, as it is well understood that weather and atmospheric conditions influence bird migration activity, especially wind speed and direction (La Sorte & Fink, 2017; Nussbaumer et al., 2022). Birds are thought to take advantage of favourable conditions such as tailwinds in order to travel farther while using less energy (Nussbaumer et al., 2022). As such, birds migrating through Nova Scotia during spring likely use northerly winds, while those travelling in fall likely use southerly winds. In addition to wind direction, migrating birds may also take advantage of favourable wind speed to expedite their migration or to avoid unfavourable headwinds (Nussbaumer et al., 2022). Other climatic and environmental cues also play a role in migratory bird activity.

Cues that are theorized to play a role in avian migration are:

- Wind speed and direction (Gudmundsson et al., 2011; La Sorte & Fink, 2017; Nussbaumer et al., 2022).
- Photoperiod (Assadi & Fraser, 2021; Helm & Liedvogel, 2024; Robart et al., 2018; Sockman & Hurlbert, 2020).
- Temperature (Brisson-Curadeau et al., 2020; Burnside et al., 2021).
- Changes in migration cohort or population sizes (Miller-Rushing et al., 2008).
- Food availability (Robart et al., 2019).
- Lunar cycle (Bonnet-Lebrun et al., 2021; Korpach et al., 2024; Norevik et al., 2019; Pyle et al., 1993).

For this assessment, the variables of wind speed, wind direction, daily temperatures and lunar cycle were analyzed with the avian radar data to determine the strength of influence each cue may have on avian migrants over the Project.

Discussion of Migratory Bird Density in Radar Results

The Halo 20 radar emits a beam that is angled 12.5° upward and downward from the radar's antenna. As the radar beam extends outwards, the volume of airspace that the radar scans increase with range. Therefore, the number of BTs detected by the ARS generally increases with range until such a point that the accuracy of the radar becomes limited by range and the number of BTs drops. To correct the distortions in BT detection counts at different ranges, it is necessary to correct the airspace volume scanned by the radar at each height bin.

Based on the geometry of the radar's beam angle, the volume of airspace scanned in each of the height bins was determined using CAD software. These volumes are shown for each height bin in Table A, where these volumes will be used to determine the target density (i.e., the number of BTs per cubic kilometre of airspace) based on number of BTs in each height bin. Target density has been used as a metric of bird migration in avifauna for other studies (Farnsworth, 2013). It is representative of, and likely proportional to, the migratory bird activity in the airspace above the Project for the cumulative monitoring period (in this case, for the 2024 and 2025 avian radar monitoring campaign).

Table A: Airspace Scanned (km³) Within the ARS Height Bins

Height bin (m)	Airspace Scanned (km ³)
0-25	0.1015
25-50	0.1016
50-100	0.2036
100-150	0.2043
150-200	0.2052
200-250	0.2063
250-500	1.052
500-1000	2.226
1000-1500	2.337
1500-2000	2.426
2000-3000	3.774
Total	12.8375

Avian Acoustic Assessment

Avian acoustic data were collected from August 21 to November 25, 2024, to monitor the 2024 fall migratory period, and from March 27 to September 9, 2025, to monitor the 2025 spring migratory and summer breeding periods. During each of the monitoring periods, five autonomous recording units (ARUs) labelled GCBird1 to GCBird5 were deployed within the Study Area, with one additional ARU deployed in 2025 to act as a back-up device to GCBird4 (Drawing 7.33). In 2024, the monitors were programmed to record from sunset to sunrise with the intent to record nocturnally migrating birds' vocalizations of. In 2025, the recording period was adjusted to start recording an hour after sunset and to stop recording an hour before sunrise. This adjustment was made to filter out the peak dawn and dusk choruses (the times when birds are most actively singing) to more effectively target nocturnal flight calls (NFCs). Each monitor was set up at locations pre-determined during desktop review to be productive in recording a variety of avian species (Table B).

Table B: Acoustic Monitoring Location Habitat Descriptions

Acoustic Monitor	Habitat Description
GCBird1	Open area adjacent to Mary Lake surrounded by softwood-dominated forest.
GCBird2	Open area at the end of a road surrounded by mixedwood forest.
GCBird3	Open wetland adjacent to road with mixedwood forest surrounding area.
GCBird4	Open cutover area adjacent to road with mixedwood forest surrounding area.
GCBird5	Open cutover area adjacent to road with hardwood-dominated forest surrounding area.

Data from GCBird4, the ARU closest to the ARS, was run through Nighthawk, a machine learning model that specializes in the detection and classification of avian NFCs. The output files from this model were then brought into Raven Pro (Version 1.6), a computer program specializing in the visualization and analysis of sounds, for acoustic verification. Acoustic data from the remaining ARUs were analyzed through manual listening. A portion of the data from GCBird5 was unrecoverable as the monitor was accidentally destroyed during vegetation clearing and was excluded from the summer 2025 acoustic analysis.

There will be a second year of acoustic monitoring prior to Project operations.

Nighthawk

Nighthawk is a deep learning model designed by researchers at the Cornell Lab of Ornithology (Van Doren et al., 2023). The Nighthawk model was designed to detect and identify vocalizations made by nocturnally-migrating birds and was trained using recordings of NFCs from throughout the Americas. For the purposes of this analysis, Nighthawk was run in its own computer programming environment using Python programming language, and was set using the following default parameters:

- Model sample rate: 22,050 Hz.
- Model input duration: 1 s.
- Hop size: 20% (percentage of the model input duration).
- Length of detections: 0.2 s.

Nighthawk can assign a probability score to each detection it makes, which represents the likelihood of the model making a correct prediction. For this analysis, only detections with a probability score of 0.8 (80%) or above were considered for further analysis in Raven Pro.

Nighthawk is capable of identifying 82 bird species (Table 1, attached), although a species-level identification is not always possible (Van Doren et al., 2023). In instances where a species-level identification cannot be achieved, the model may identify vocalizations to the order, family, or group level. Order and family refer to taxonomic levels, whereas group level refers to a subset of species with similar sounding NFCs. For example, the 'ZEEP' group consists of several similar-sounding warbler species that can be exceptionally difficult to differentiate from one another. Nighthawk was fed a list containing only species that are likely to occur in this region to limit false species-level identifications. Nighthawk produced a series of text files containing all detections and predictions for a given audio file input. The text files and audio files were then brought into Raven Pro for manual verification.

Raven Pro

Raven Pro is software that specializes in the visualization and analysis of sounds. Environmental scientists with experience in bird identification brought raw audio files recorded by GCBird4 and the text files containing the detections made by Nighthawk into Raven Pro. The scientists then manually verified the detections and assessed the accuracy of the Nighthawk results by listening to sound clips and visually analyzing the spectrograms of NFCs. The scientists analyzed 30 detections (or all detections if fewer than 30 were made) for each

species identified by Nighthawk and noted if the species-level identification made by the model was correct.

ARU Manual Listening

Manual listening involved a subset of data from four of the five ARUs being manually analyzed for avian vocalizations. Data from GCBird4 was excluded, as data from that ARU was analyzed separately using Nighthawk and a different manual verification process. Three dates from each season were selected for manual listening (Table C).

Table C: Dates Selected for Manual Listening with Weather Information

Season	Date	Mean Temp (°C)	Total Precipitation (mm)	Direction of Max Gust (10s deg)	Speed of Max Gust (km/h)
Fall 2024	August 26	17.8	0	---	---
Fall 2024	September 12	14	0	---	---
Fall 2024	October 4	13.1	0	---	---
Spring 2025	April 11	1.9	0	13	32
Spring 2025	May 6	8.1	0	17	39
Spring 2025	May 16	10.8	0	6	33
Summer 2025	June 9	11.7	0	---	---
Summer 2025	June 28	13.7	0.8	---	---
Summer 2025	July 19	18.5	0	---	---

Two 10-minute recordings (one from dusk and one from dawn) were isolated from each ARU, for each of the selected dates. Dates that had not already been covered by field surveys were selected to increase temporal coverage across the Study Area. Dates with ideal weather conditions for avian migration were identified using data from the Port Hawkesbury Weather Station (Table 2 and 3, attached). Dates with little to no precipitation and low wind speeds were prioritized, since precipitation and high winds can decrease the quality of the audio recordings and make it more difficult to hear birds. Other factors like suitable wind direction for migration and low cloud cover were also considered. Several sound quality limitations were identified during manual listening, including noise interference from sources such as wind, rustling trees, human activity, and wildlife.

RESULTS

Potential Habitat Modelling Results

Habitat modelling for selected SAR identified potentially suitable habitat for the Canada warbler, common nighthawk, eastern wood-pewee, evening grosbeak, olive-sided flycatcher, and rusty blackbird (Drawings 7.32A to 7.32F). These results are contextualized in terms of the Clearing Footprint, Assessment Area, Study Area, and Local Assessment Area and are discussed further in Section 7.4.4.7.

Radar Results

Data collected by the ARS during the 2024 fall, 2025 spring, and 2025 summer monitoring periods was analysed to provide the number of BTs by date and by altitude, while also factoring in the influence of possible migration cues. Data was divided into three monitoring periods in accordance with the ECCC-CWS guidance (2022) which establishes spring as March 15 to June 6, summer as June 7 to July 15, and fall as July 16 to November 30. Data is presented in chronological order.

2024 Fall Monitoring Period

During the 2024 fall monitoring campaign, the ARS identified 2,561 BTs, with detections occurring intermittently throughout the duration of the monitoring period (Figure 1; Table 4, attached).

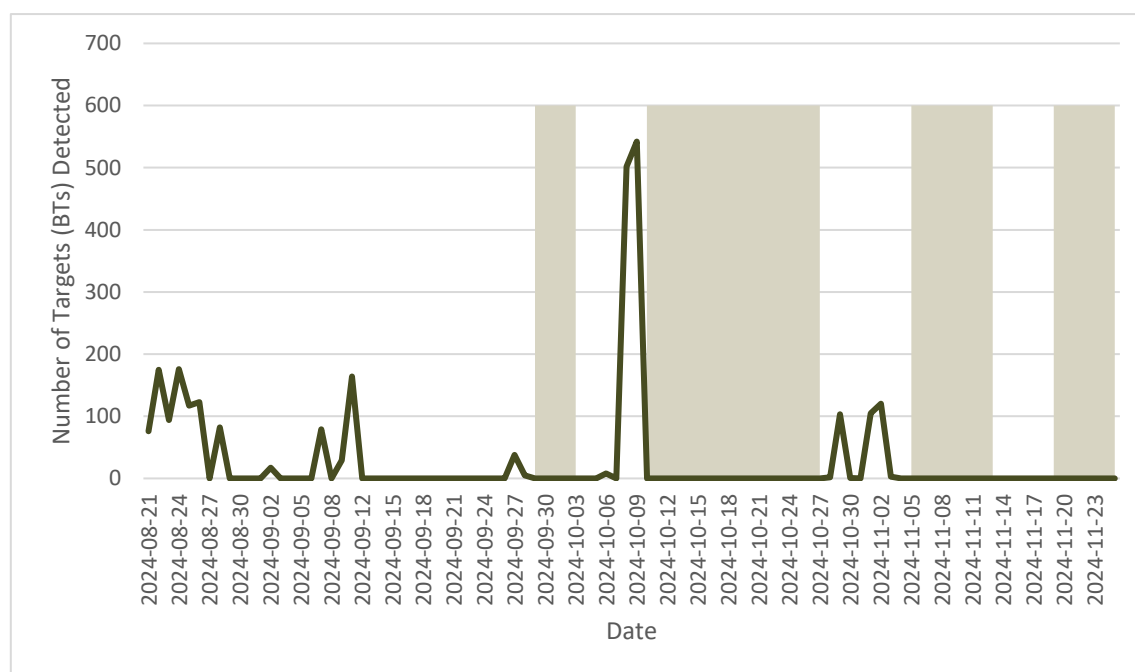


Figure 1: Number of BTs Detected During the 2024 Fall Monitoring Period – Beige Areas Represent Days When the Radar was Inactive

A large proportion of the BTs detected during this monitoring period occurred between August 21 and 26 (number of BTs (nBTs) = 761). Notable numbers of BTs were also detected on September 11 (nBTs = 164), October 8 to 9 (nBTs = 1,044), and November 1 to 2 (nBTs = 225).

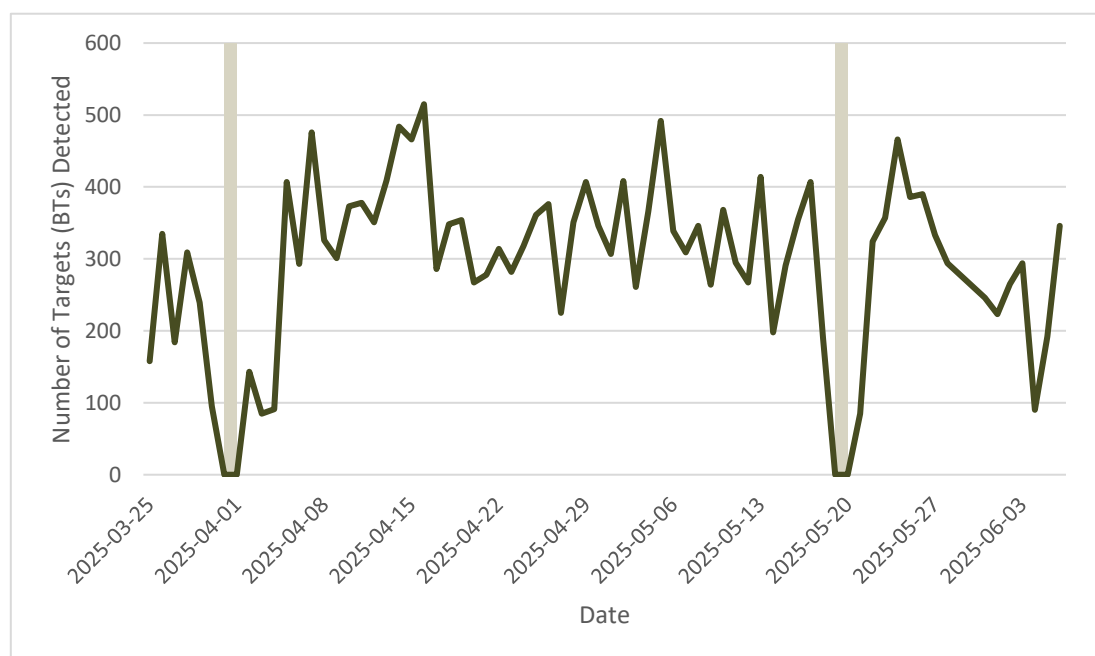
Most BTs were detected at heights between 250 m to 2,000 m (nBTs = 1,766), with the greatest number of detections occurred in the 500 m to 1,000 m height bin (nBTs = 818) (Table D). There was also a notably high number of detections within the 25 m to 50 m height bin (nBTs = 734) that only occurred during late August (August 21 to 26, 2024).

Table D: Number of BTs Detected by ARS height bin for the 2024 Fall Monitoring Period

Height bin (m)	Number of Targets Detected
0-25	0
25-50	734
50-100	32
100-150	16
150-200	6
200-250	8
250-500	369
500-1000	818
1000-1500	436
1500-2000	143
2000-3000	0
Total	2561

2025 Spring Monitoring Period

The ARS identified 21,639 BTs during the 2025 spring monitoring period. BTs were detected consistently throughout this period at an average of 309 BTs per day, with peak detections occurring on April 16 (nBTs = 515) and May 5 (nBTs = 492) and low detections occurring on April 3 (nBTs = 85) and May 21 (nBTs = 85) (Figure 2; Table 5, attached).

**Figure 2: Number of BTs During the 2025 Spring Monitoring Period – Beige Areas Represent Days When the Radar was Inactive**

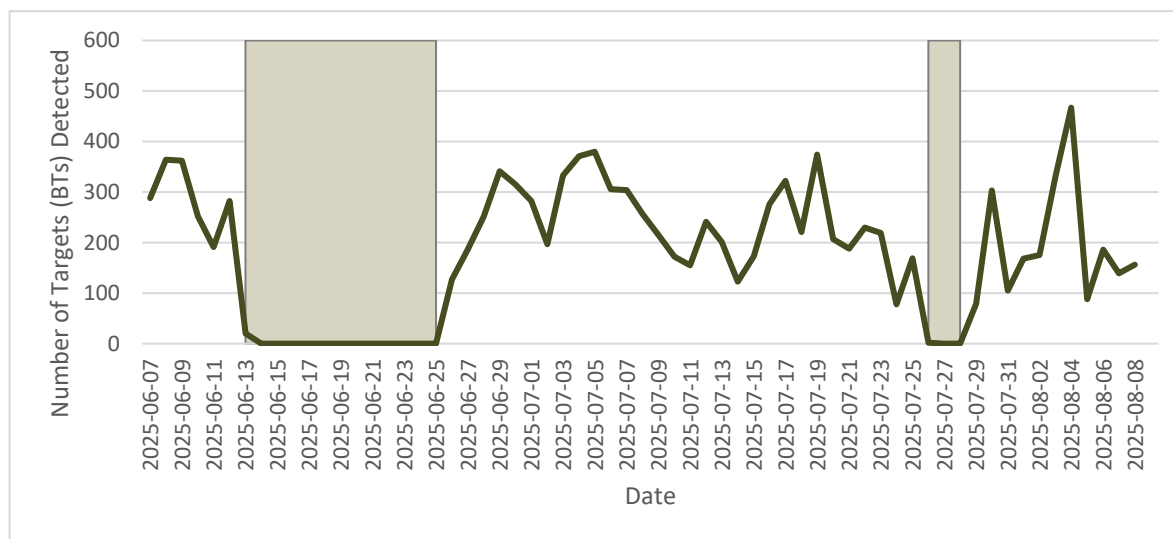
Most BTs were detected at heights between 150 m and 500 m, with large numbers of detections also found between 100 to 150 m. The largest number of BTs were detected between 250 m and 500 m (nBTs = 7,061) (Table E).

Table E: Number of BTs Detected by ARS Height Bin for the 2025 Spring monitoring period

Height bin (m)	Number of Targets Detected (Spring)
0-25	1
25-50	750
50-100	1070
100-150	2754
150-200	4981
200-250	5022
250-500	7061
500-1000	0
Total	21639

2025 Summer Monitoring Period

The ARS identified 11,547 BTs during the 2025 summer monitoring period. BTs were detected consistently throughout this period at an average of 228 BTs per day with peak detections occurring on July 6 (nBTs = 380) and August 5 (nBTs = 467) and low detections occurring on June 14 (nBTs = 20) and July 27 (nBTs = 2) (Figure 3; Table 6, attached).

**Figure 3: Number of BTs During the 2025 Summer Monitoring Period– Beige Areas Represent Days When the Radar was Inactive**

Similar to the spring monitoring campaign, most BTs were detected at heights between 150 m and 500 m with large numbers of detections also found between 100 to 150m (Table F). The largest number of BTs were detected between 250 m to 500 m (nBTs = 3,467).

Table F: Number of BTs Detected by ARS Height Bin for the 2025 Summer Monitoring period

Range bin (m)	Number of Targets Detected (Spring)
0-25	1
25-50	94
50-100	500

Range bin (m)	Number of Targets Detected (Spring)
100-150	1560
150-200	3025
200-250	2900
250-500	3467
500-1000	0
Total	11547

Summary of 2024 and 2025 Results

Results from the 2024 fall monitoring campaign suggest that avian migration activity occurred intermittently throughout (and possibly before/after) the monitoring periods. The ARS detected large migration events where a noticeable number of BTs were detected on some days compared to others. Results from the 2025 spring and summer monitoring campaigns suggest that avian migration activity occurred more consistently throughout the monitoring periods.

Timing of Migratory Movements

During the 2024 fall monitoring period, BTs were detected by the ARS during all hours overnight from sunset to sunrise [Figure 4; note that the ARS was not detecting BTs during the daytime hours between sunrise and sunset. The largest number of BTs were detected from approximately 02:00 to 05:00 (53% of BTs were detected during these hours)]. The lowest number of BTs were detected from approximately 19:00 to 22:00 (11% of BTs were detected during these hours). These results are not unexpected as previous avian radar studies have found that during fall migration avian species tend to begin and end nocturnal activity in the twilight hours shortly before sunrise (Korpach et al., 2024; Van Doren et al.2023).

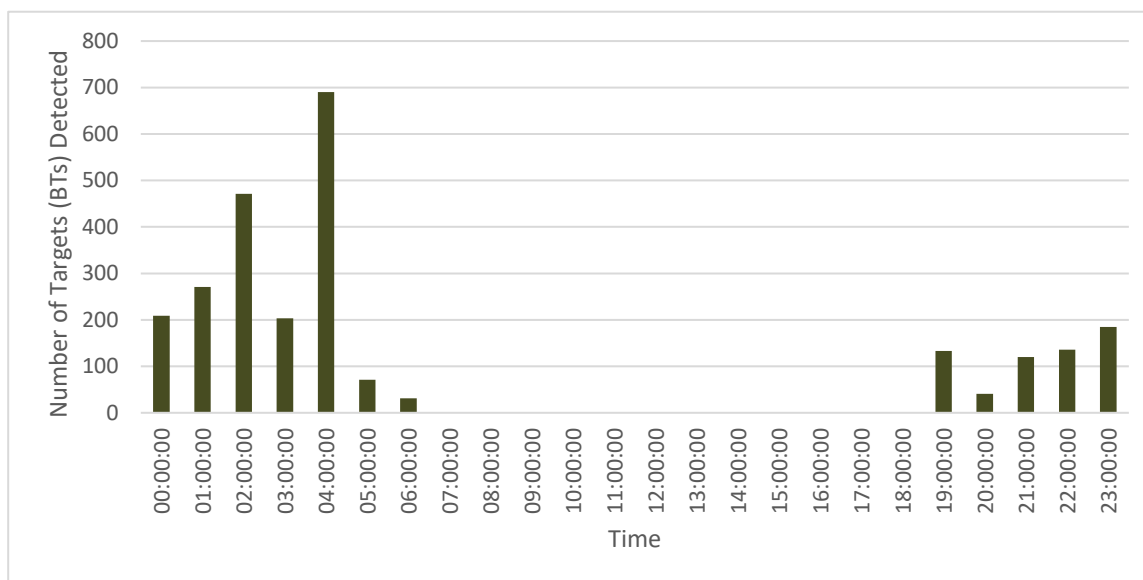


Figure 4: Number of BTs Per Hour During the Fall 2024 Monitoring Period

During the spring 2025 monitoring period, the number of BTs was relatively consistent throughout most of the hours between sunset and sunrise. The largest number of BTs were detected from approximately 20:00 to 23:00 (29% of BTs were detected during these hours). The lowest number of BTs were detected at 06:00 to 07:00 and 17:00 to 18:00 timeframes (1% of BTs were detected during each of these hours) (Figure 5). These results are comparable to observations during fall migration with the primary notable difference being that during the spring targets were somewhat more evenly detected at all hours than they were during the fall. This result is consistent with previous avian radar studies which found that avian activity is spread out more evenly throughout the night during spring migration than during fall migration (Kranstauber et al., 2023). However, peak nocturnal activity during spring migration still tends to begin and end in the twilight hours shortly before sunrise (Korpach et al., 2024).

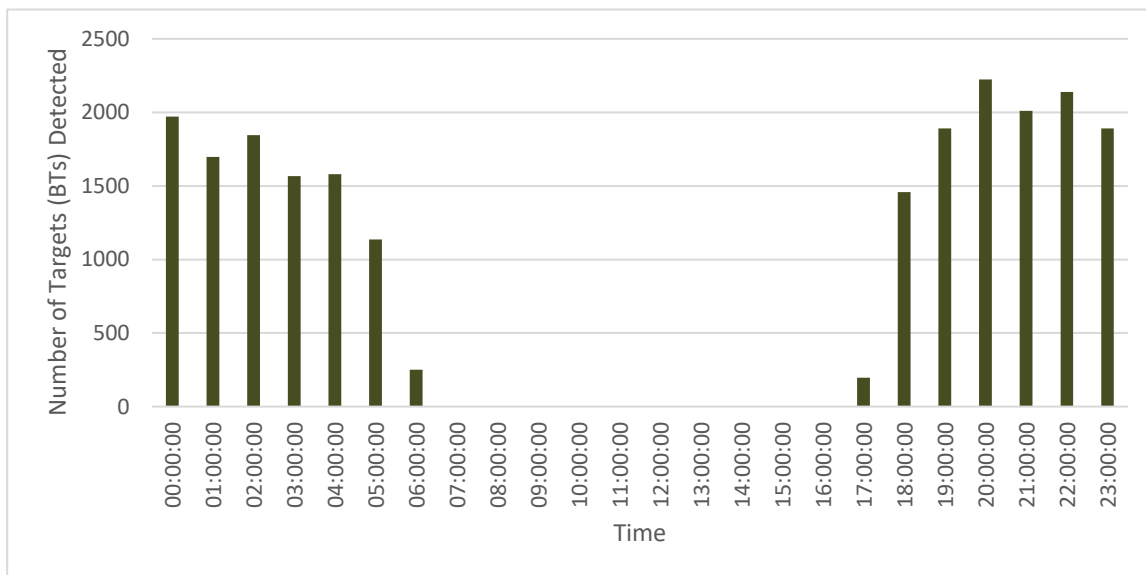


Figure 5: Number of BTs Per Hour During the Spring 2025 Monitoring Period

During the summer 2025 monitoring period, the number of BTs was less-evenly distributed throughout the nighttime hours between sunset and sunrise. Similar to the spring 2025 and fall 2024 monitoring periods, BTs were detected at all monitoring hours (Figure 6). The largest number of BTs were detected from approximately 23:00 to 02:00 (32% of BTs were detected during these hours). The lowest number of BTs were detected at 05:00 to 06:00 timeframe and 18:00 to 19:00 timeframe (5% and 2% of BTs were detected during these hours respectively).

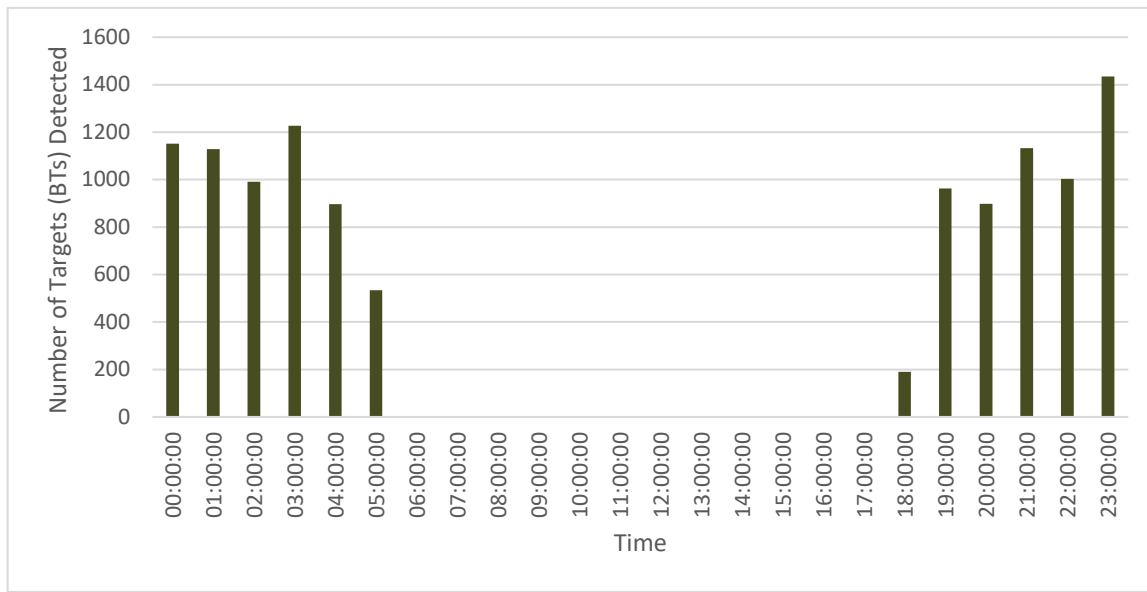


Figure 6: Number of BTs Per Hour During the Summer 2025 Monitoring Period

Cues for Avian Migration

The list of environmental cues that were used to compare with the data collected by the avian radar systems includes the following:

- Wind direction
- Wind speed
- Temperature
- Lunar cycle

Photoperiod and tidal phase may have also affected bird migration timing. Data analysis was conducted to test the correlation between these cues and migration timing; however, these relationships were deemed not strong enough to support evidence that these cues affecting migration timing.

Wind Direction and Wind Speed

Figure 7 shows that the largest proportion of BTs during the 2024 fall monitoring campaign were detected when the winds were from the west (32%), with some detections occurring when winds were from the north (21%), south (20%), and east (10%). Detections during northerly winds are unexpected as migrating birds often used southern and western facing winds to travel to southerly wintering grounds (La Sorte & Fink, 2017). While there were detections during southern, southwestern and western facing winds, birds may show no wind selectivity when other cues are present during migration (Thorup et al., 2006).

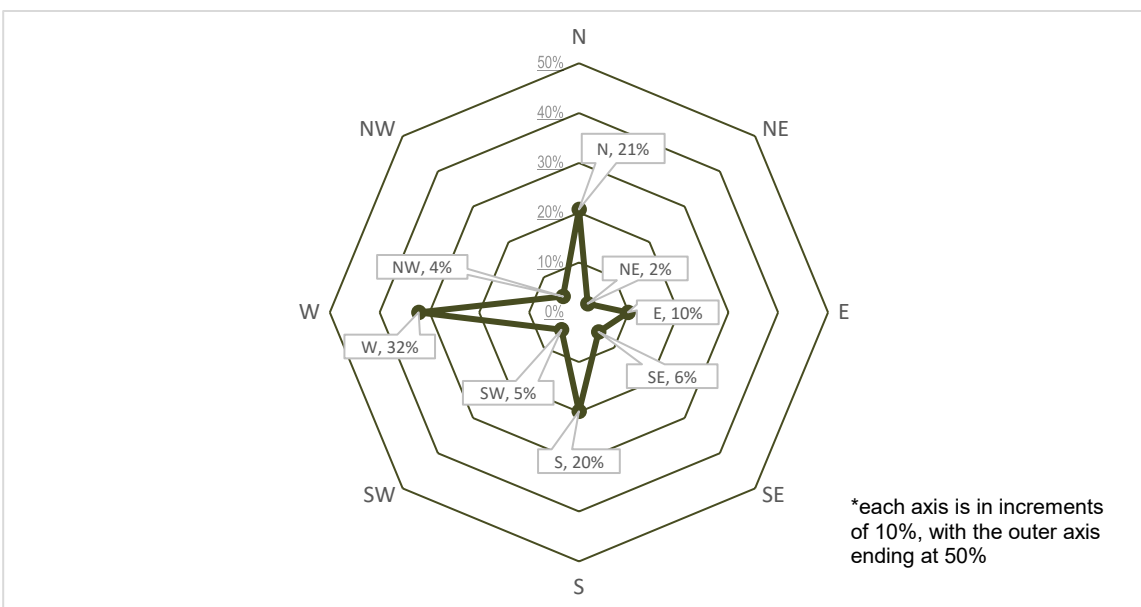


Figure 7: Wind Direction by Proportion of BTs for Fall 2024

Most BTs during the fall 2024 monitoring period were detected when wind speeds were between 12 to 19 km/hr (Figure 8) which is consistent with a gentle breeze on the Beaufort wind scale. This result is consistent with the literature as birds are understood to prefer flying during favorable wind conditions (Dossman et al., 2016). Higher wind speeds increase the flight speeds of migrating birds, but in this case would not be so powerful as to shift birds off their migratory course (Alerstam, 2011; Dossman et al., 2016; Nussbaumer et al., 2022). Flying at reduced wind speeds may also account for why birds were less influenced by wind direction.

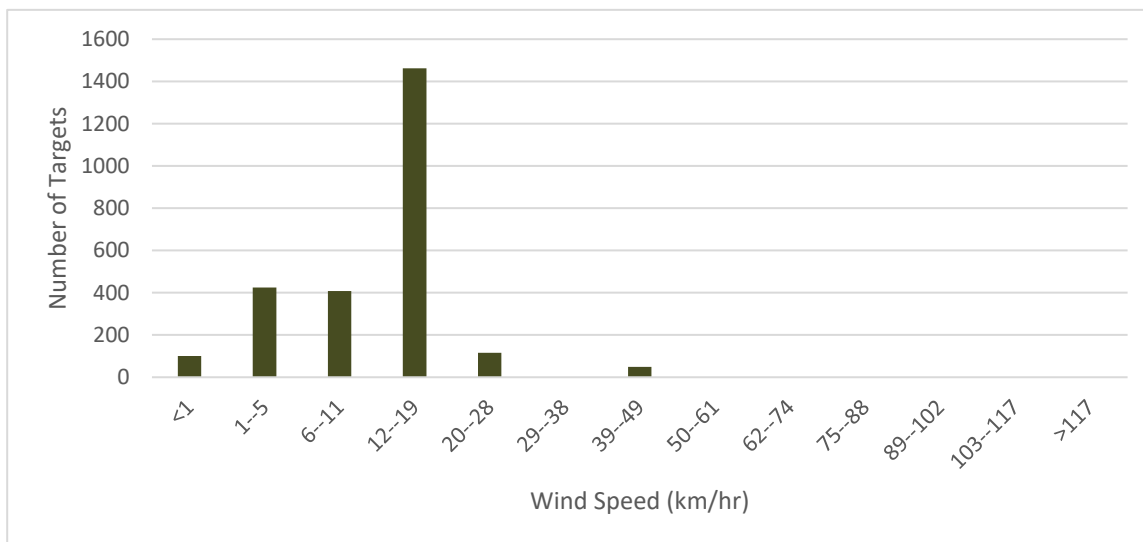


Figure 8: Wind Speed by Proportion of BTs for Fall 2024

The largest proportion of BTs during the 2025 spring monitoring campaign was detected when the winds were from the west (19%), with notable numbers of detections coming from the east (16%), northwest (15%), south (13%), southeast (13%), and north (12%) (Figure 9). While

detections when the winds are heading east and north were expected as birds took advantage of the tailwind during spring migration, detections during other wind directions may also suggest that birds can show less wind selectivity during spring migration when other cues are present during migration (Thorup et al., 2006).

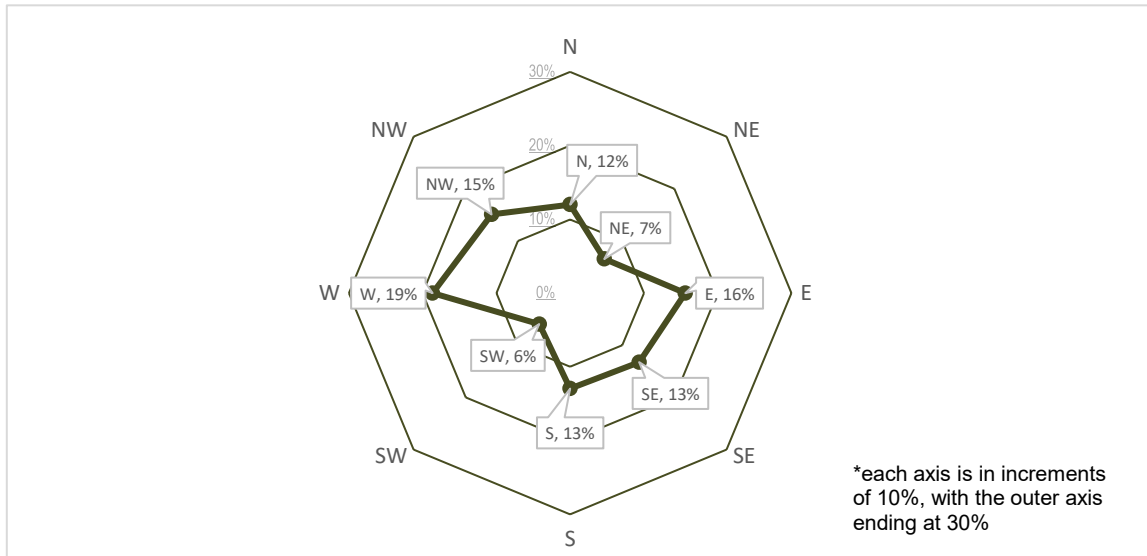


Figure 9: Wind Direction by Proportion of BTs for Spring 2025

Consistent with the results from the fall 2024 monitoring period, most BTs during the spring 2025 monitoring period were detected when wind speeds were between 6 to 11 km/hr and 12 - 19km/hr (Figure 10). This result is also not unexpected as birds prefer to fly during favorable wind conditions. These results may again account for why birds were less influenced by wind direction during this period.

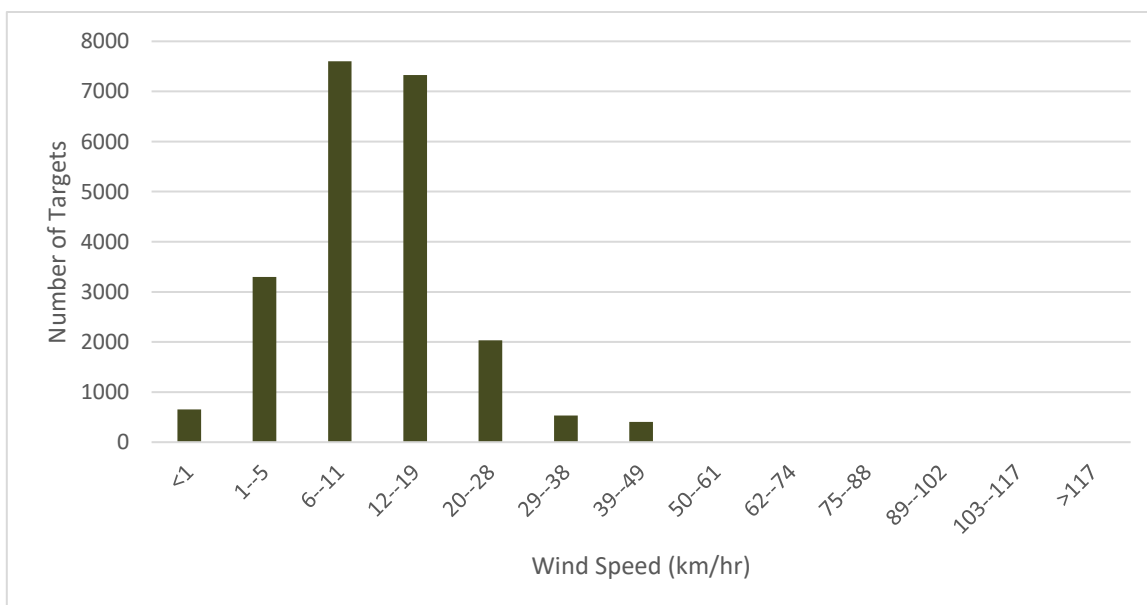


Figure 10: Wind Speed by Proportion of BTs for Spring 2025

The largest proportion of BTs in summer 2025 was associated with winds from the north (21%) and west (18%) with notable numbers of detections coming from the south (15%), northwest (12%) and east (11%) (Figure 11). As these months are within the peak breeding season, bird detections during this time mostly pertain to peak breeding activity and therefore birds may show reduced wind selectivity.

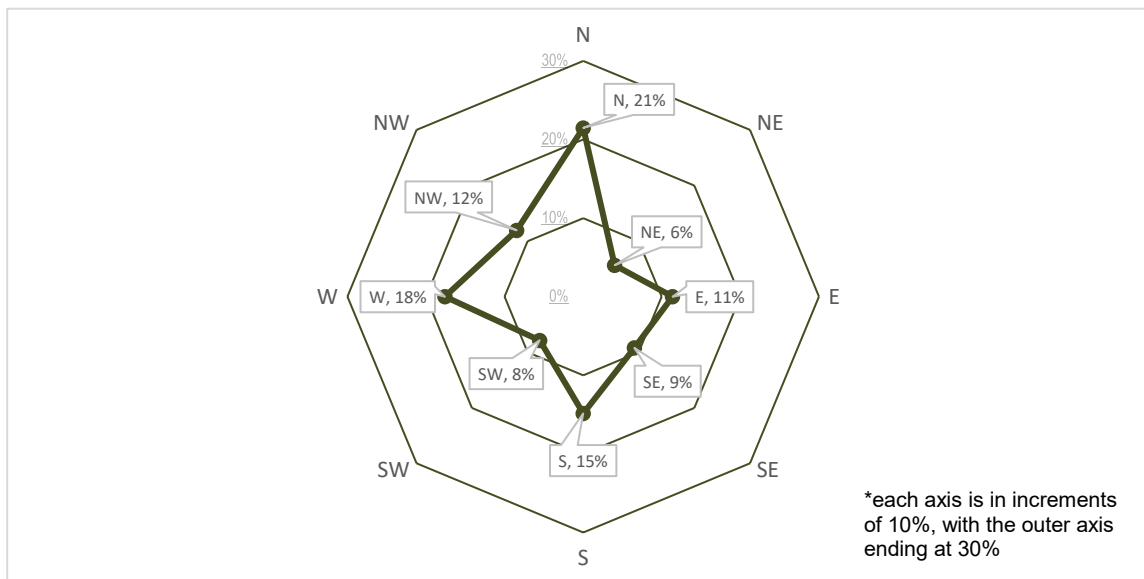


Figure 11: Wind Direction by Proportion of BTs for Summer 2025

Most BTs during the summer 2025 monitoring period were detected when wind speeds were below 20 to 28 km/hr which is the equivalent to a moderate breeze on the Beaufort wind scale (Figure 12).

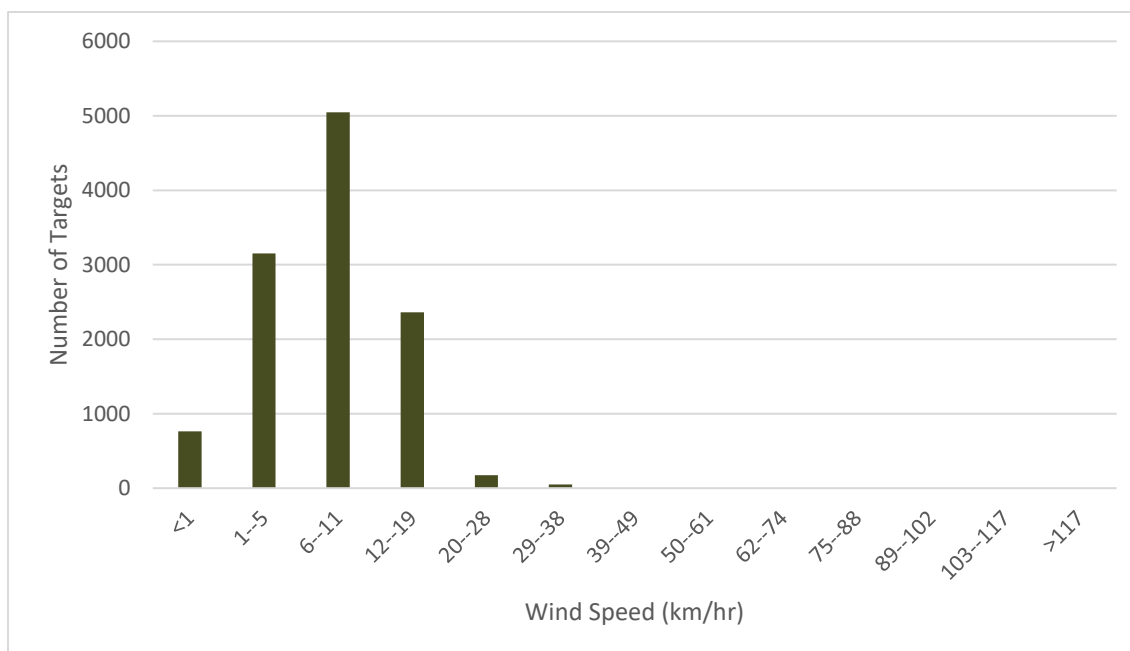


Figure 12: Wind Speed by Proportion of BTs for Summer 2025

Large numbers of BTs were also detected when wind speeds were between 12 to 19 km/hr. These results are consistent with those observed in the 2024 fall and 2025 spring monitoring periods further indicating that birds within the Study Area may prefer to migrate during periods with reduced wind speeds.

Temperature

Birds have been known to depend on temperature cues for migration departure; comparing daily mean temperature with ARS data may provide further understanding of peak migration events (Figure 13) (Burnside et al., 2021; Klinner & Schmaljohann, 2020).

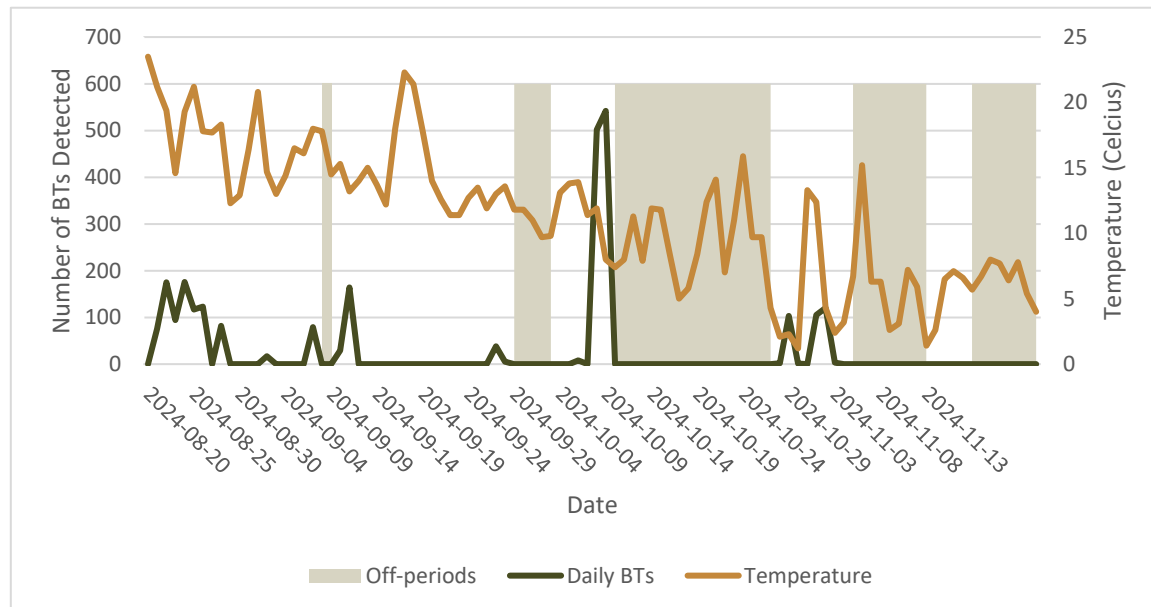


Figure 13: Number of BTs During the 2024 ARS Monitoring Campaign Compared to Daily Mean Temperatures (°C) – Beige Areas Represent Days When the Radar was Inactive

Each of the migration events observed during the fall 2024 monitoring period occurred shortly after daily average temperatures noticeably decreased. The most active migration period (August 21 to 26) occurred after temperatures decreased below 23.5°C, which was a temperature high that was not reached again for the remainder of the monitoring period. The largest migration spike observed (October 8 to 9) also occurred after temperatures notably decreased. These results are consistent with literature that states that many North American birds are climate migrants that have certain temperature thresholds that will trigger their migratory movements (Frei et al., 2024).

Figure 14 shows that, unlike what was observed in fall 2024, migration events observed in the spring and summer 2025 appear to not have been as notably influenced by shifts in temperature.

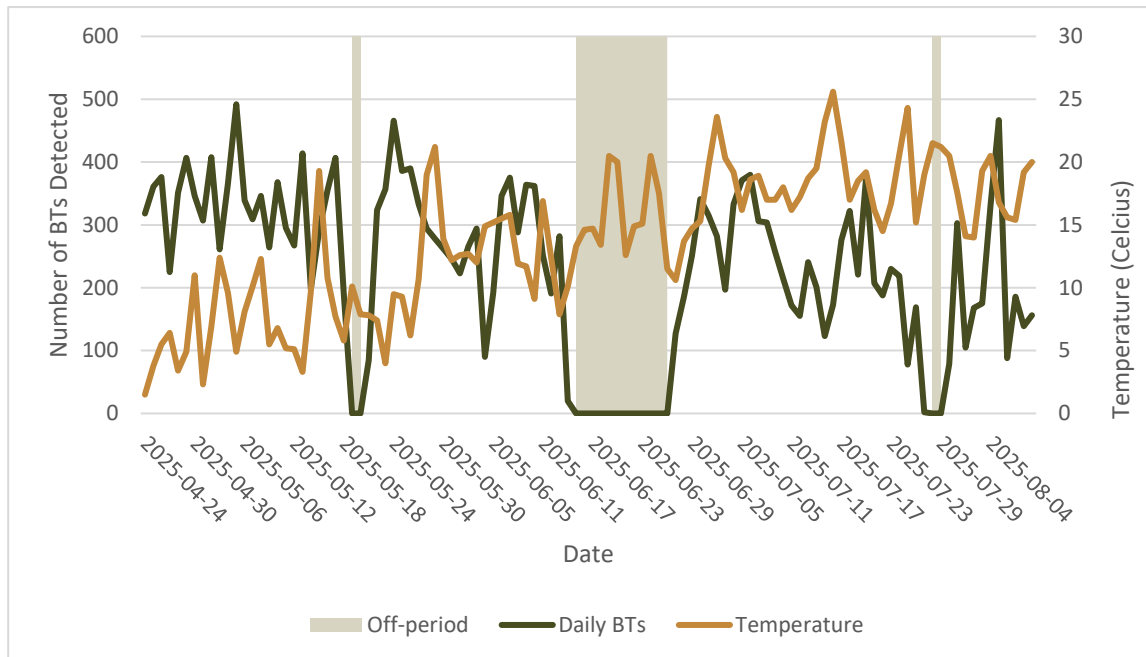


Figure 14: Number of BTs During the 2025 ARS Monitoring Campaign Compared to Daily Mean Temperatures (°C) – Beige Areas Represent Days When the Radar was Inactive

The overall trend observed during the 2025 monitoring period was that the number of BTs decreased slightly as temperatures increased throughout the year. This trend was not consistent, as there were also several days during the monitoring period where the number of BTs increased with increasing temperatures. These results indicate that shifts in temperature may not strongly influence avian migrations over the Study Area during the spring and summer migratory periods. These results are consistent with multiple studies that have indicated that fall migration movements for various avian species tend to be more influenced by shifts in temperature than those observed during spring migration (Brisson-Curadeau et al., 2020; La Sorte et al., 2015; Marra et al., 2005).

Lunar Cycle

The relationship between lunar cycles and the daily number of BTs by each of the avian radars during the 2024 monitoring period was quantified according to the percentage of exposed moonlight during each of moon's phases (i.e., new moon = 0%, first quarter = 50%, full moon = 100%, last quarter = 50%, Figure 15).

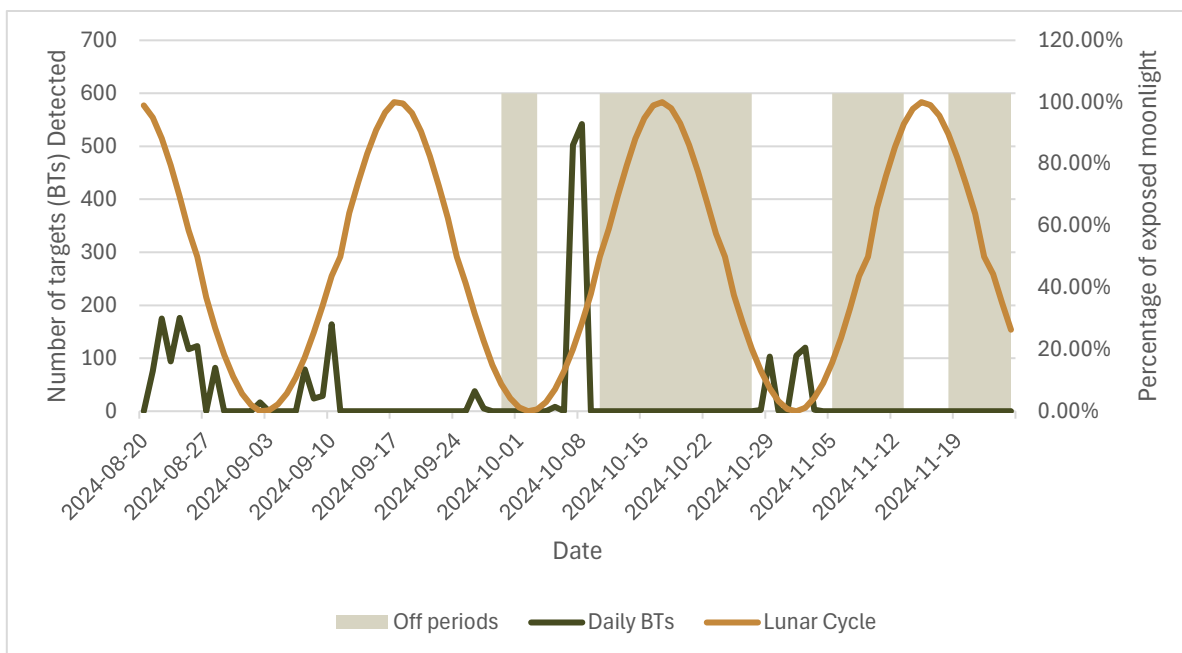


Figure 15: Number of BTs During the 2024 ARS Fall Monitoring Campaign Compared to Lunar Cycle – Beige Areas Represent Days When the Radar was Inactive

The most active migration period observed during the fall 2024 monitoring period (August 21 to 26) occurred shortly after a full moon when the amount of exposed moonlight was highest. This result is consistent with our understanding of nocturnal birds behaviours, as they may have taken advantage of the higher visibility provided by increased moonlight to forage in preparation for migration following periods of full moon (Norevik et al., 2019). However, each of the remaining notable migratory movements observed during the 2024 monitoring period occurred when there was less than 50% exposed moonlight with most occurring when there was almost no exposed moonlight. These results indicate that migratory movements during this period may be more strongly associated with other environmental cues.

The most active migration periods observed during the 2025 monitoring period occurred shortly after or during a full moon when the amount of exposed moonlight was highest (Figure 16).

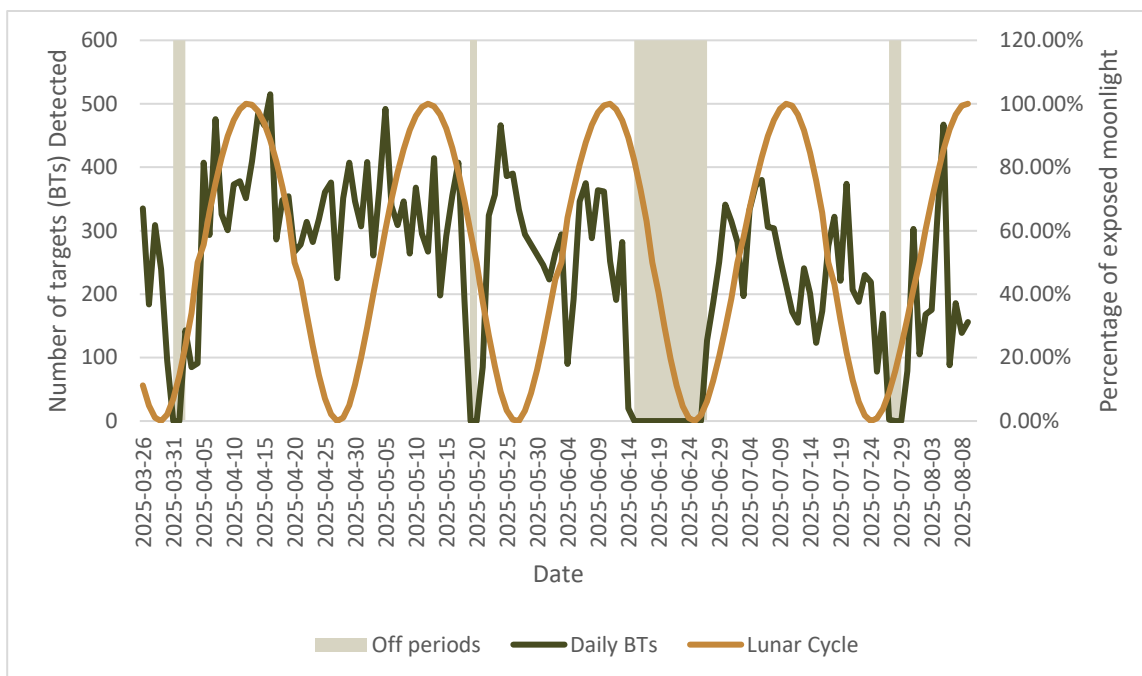


Figure 16: Number of BTs During the 2025 ARS Monitoring Campaign Compared to Lunar Cycle – Beige Areas Represent Days When the Radar was Inactive

Several active migration events observed throughout the monitoring campaign occurred when there was greater than 50% exposed moonlight. Many of the least active migration periods also occurred when there was less than 50% exposed moonlight. However, there were still some notably active periods that occurred when there was little to no exposed moonlight, the most notable occurring in late April and late May. This is a more clearly defined relationship than was observed during the 2024 monitoring period, with most detections occurring during periods of low moonlight. These results further indicate that avian migration over the Project Area is likely related to several different environmental cues.

Migratory Bird Density

ARS target density was calculated using the volume of airspace scanned in each height bin. These values were compared to the number of BTs at each height bin during the 2024 fall monitoring period, the 2025 spring monitoring period, and 2025 summer monitoring period (Table G, H, and I).

Table G: Target Density – Fall 2024

Height Bin (m)	Airspace Scanned (km ³)	Number of BTs	Target Density (BT/km ³)
0-25	0.1015	0	0
25-50	0.1016	733	7224.41
50-100	0.2036	32	157.17
100-150	0.2043	16	78.32
150-200	0.2052	6	29.24

Height Bin (m)	Airspace Scanned (km ³)	Number of BTs	Target Density (BT/km ³)
200-250	0.2063	8	38.78
250-500	1.052	369	350.76
500-1000	2.226	818	367.48
1000-1500	2.337	436	186.56
1500-2000	2.426	143	58.94
2000-3000	3.774	0	0
Total	12.8375	2561	199.57

Most BTs were within the 500 to 1000 m height bin during the 2024 fall monitoring period (Figure 17). This is associated with a peak migration event observed on October 7 to 8 (nBTs = 353). Approximately 32% of BTs were detected within this range. Target density during the fall monitoring period notably peaked in the 25 to 50 m height bin with smaller peaks in the 250 to 500 m and 500 to 1000 m height bins. Overall target density showed greater variation than target counts (Figure 17). No BTs were detected within the 0 to 25 m height bin, possibly due to the exclusionary zones created during data analysis to reduce external interference from unwanted targets (i.e., rain, insects, shrubs and trees).

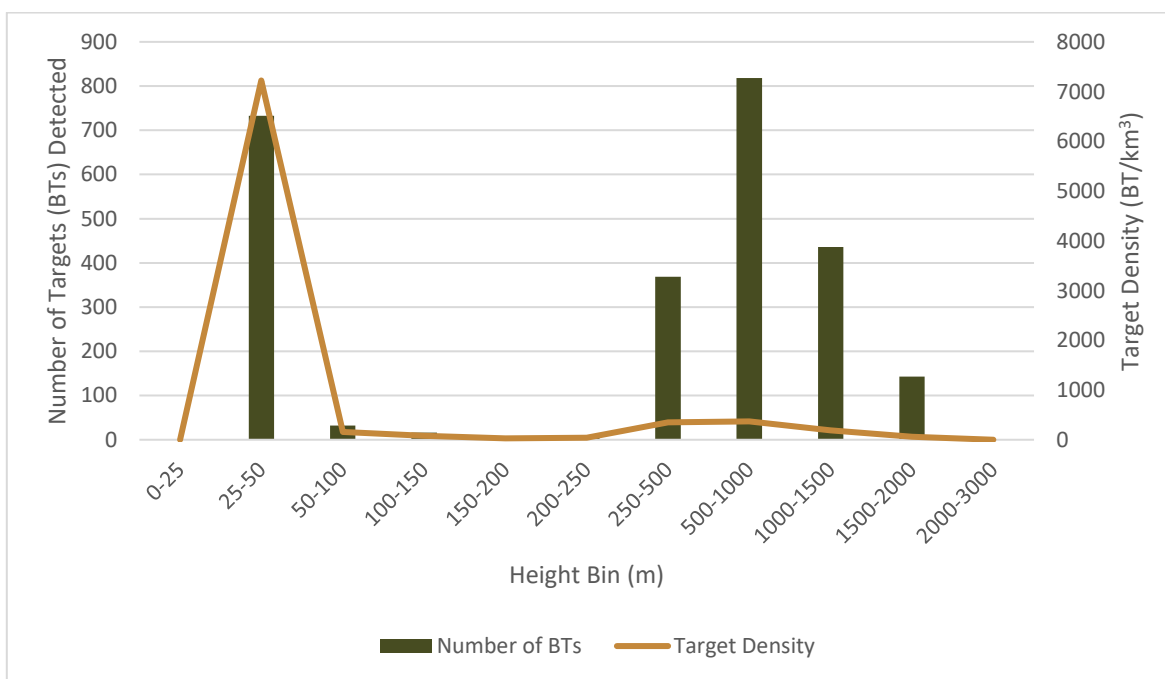


Figure 17: Targets Detected and Target Density – Fall 2024

During the 2025 spring monitoring period, the ARS detected the most BTs within the 250 m to 500 m height bin (Figure 18). BTs were detected within this height bin throughout the monitoring period with peak detections occurring on April 24 and April 26, 2025 (nBTs = 144 and 143 respectively). Approximately 33% of BTs (nBTs = 7,061) were detected within this height bin (Table H).

Table H: Target Density – Spring 2025

Height Bin (m)	Airspace Scanned (km ³)	Number of BTs	Target Density (BT/km ³)
0-25	0.1015	1	9.85
25-50	0.1016	750	7381.89
50-100	0.2036	1070	5255.40
100-150	0.2043	2754	13480.18
150-200	0.2052	4981	24273.88
200-250	0.2063	5022	24343.19
250-500	1.052	7061	6711.98
Total	2.075	21639	10430.95

The target density during this period shows similar variation to target counts with the number of detected targets increasing with the altitude scanned until the 250 to 500 m height bin (Figure 18).

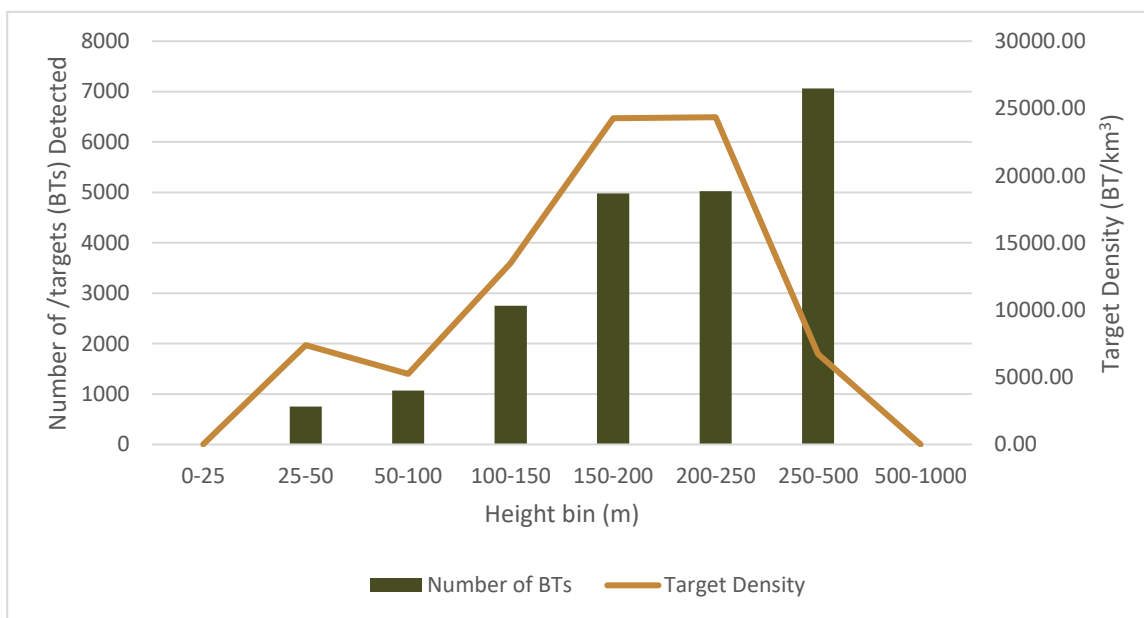


Figure 18: Targets Detected and Target Density – Spring 2025

Like the results from the 2025 spring monitoring period, during the 2025 summer monitoring period the ARS detected the most targets within the 250 m to 500 m height bin. Approximately 30% of BTs (nBTs = 3,467) were detected within this height bin (Table I).

Table I: Target Density– Summer 2025

Height Bin (m)	Airspace Scanned (km ³)	Number of BTs	Target Density (BT/km ³)
0-25	0.1015	1	9.85
25-50	0.1016	94	925.20
50-100	0.2036	500	2455.80
100-150	0.2043	1560	7635.83
150-200	0.2052	3025	14741.72
200-250	0.2063	2900	14057.2
250-500	1.052	3467	3295.63
500-1000	2.226	0	0
Total	4.301	11547	2685.04

The pattern of BT density during this period shows similar variation to target counts with the number of BTs increasing with the amount of airspace scanned until the 250 to 500 m height bin (Figure 19).

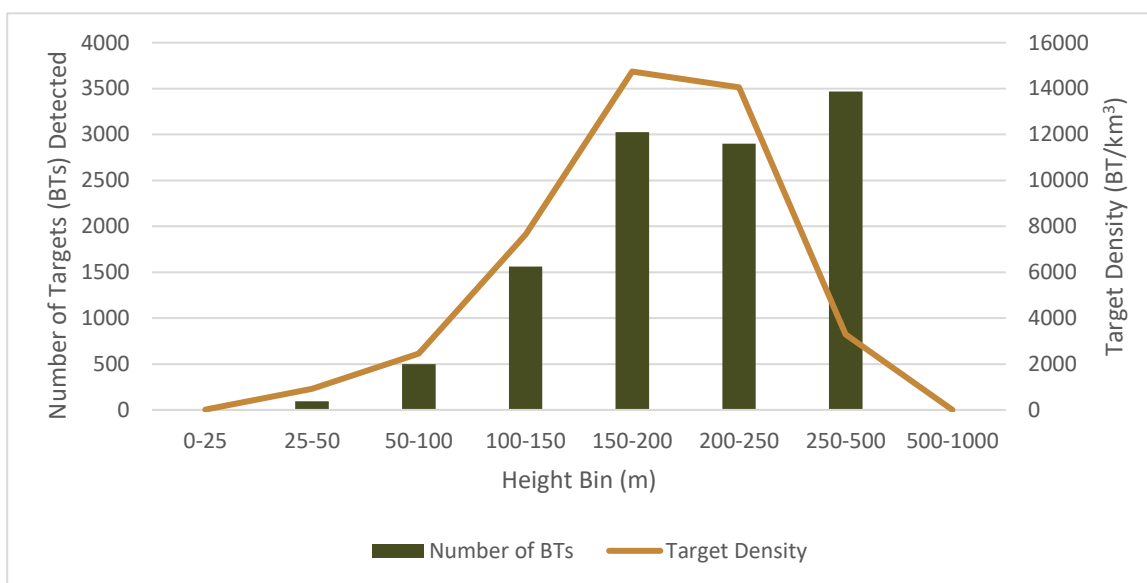


Figure 19: Target Count and Target Density – Summer 2025

Avian Interactions with the Project

The number of BTs during the fall 2024, spring 2025, and summer 2025 monitoring periods both within and above the rotor swept zone of the Project's wind turbines were compared to illustrate the risk of BT interactions with the Project (Figures 20, 21, and 22). The Project's wind turbines have a hub height of 118 m and a blade diameter of 163 m; therefore, any BTs between heights of 36 m to 200 m were determined to be at risk of interacting with the turbines.

During the fall 2024 monitoring period, most of the BTs were detected above the rotor swept area of the Project's turbines. The number of targets within the rotor swept area peaked from

August 21 to 26 (nBTs = 761) and October 8 to 9 (nBTs = 105) when the total number of BTs also peaked. In total, 878 BTs were detected within the rotor swept area of potential turbines which accounted for 34% of the BTs during the spring 2024 monitoring period (Figure 20).

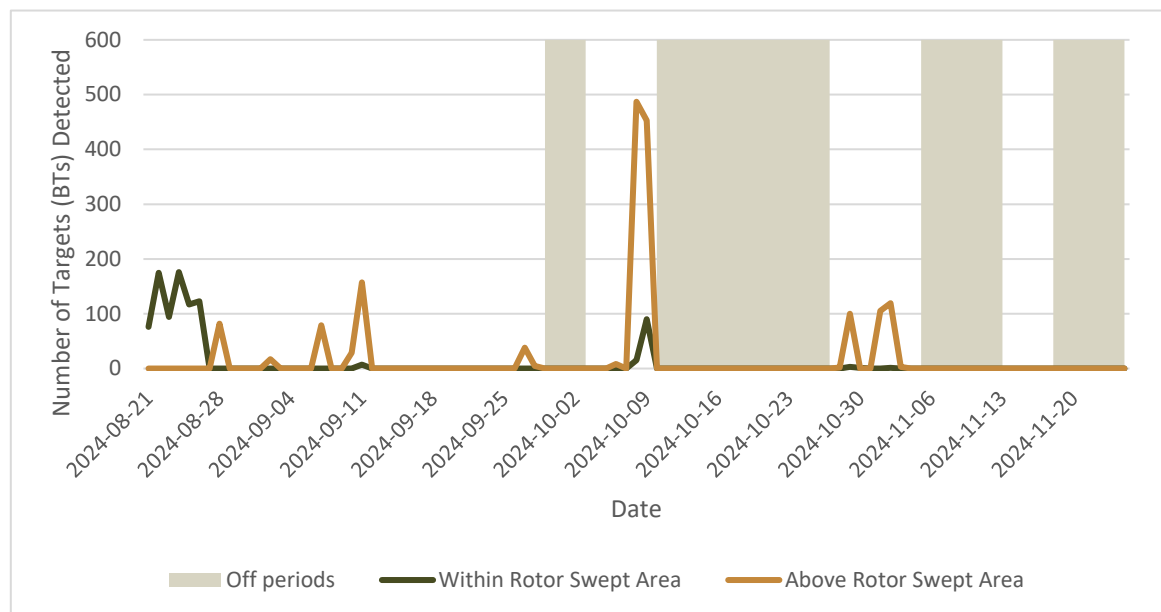


Figure 20: Number of BTs During the 2024 ARS Fall Monitoring Period Within and Above the Rotor Swept Area of Potential Turbines

Most BTs during the spring 2025 monitoring period were above the rotor swept area of turbines. The number of targets detected within the rotor swept area peaked on April 7 (nBTs = 253) and April 13 to 16 (nBTs = 953). These were also the only days where the number of BTs within the rotor swept area were greater than the number of targets detected above that area. In total 9,556 BTs were detected within the rotor swept area of turbines which accounted for 44% of the BTs during the spring 2025 monitoring period (Figure 21).

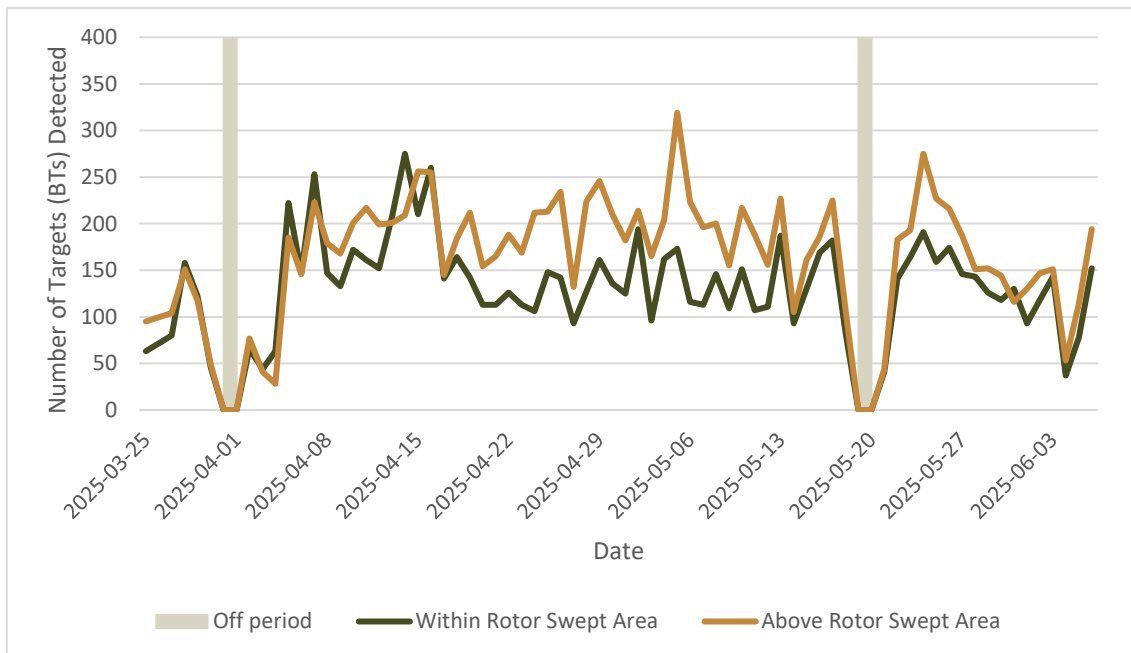


Figure 21: Number of BTs During the 2025 ARS Spring Monitoring Period Within and Above the Rotor Swept Area of Potential Turbines

Most BTs during the summer 2025 monitoring period were above the rotor swept area of the Project's wind turbines. The number of BTs within the rotor swept area peaked on June 10 (nBTs = 183), July 6 (nBTs = 178) and August 5 (nBTs = 196). There was only one day (July 13, 2025) where the number of BTs within the rotor swept area was greater than the number of BTs above the rotor swept area of the Project's wind turbines. In total 5,180 BTs were detected within the rotor swept area of turbines, which accounted for 45% of the BTs during the summer 2025 monitoring period (Figure 22).

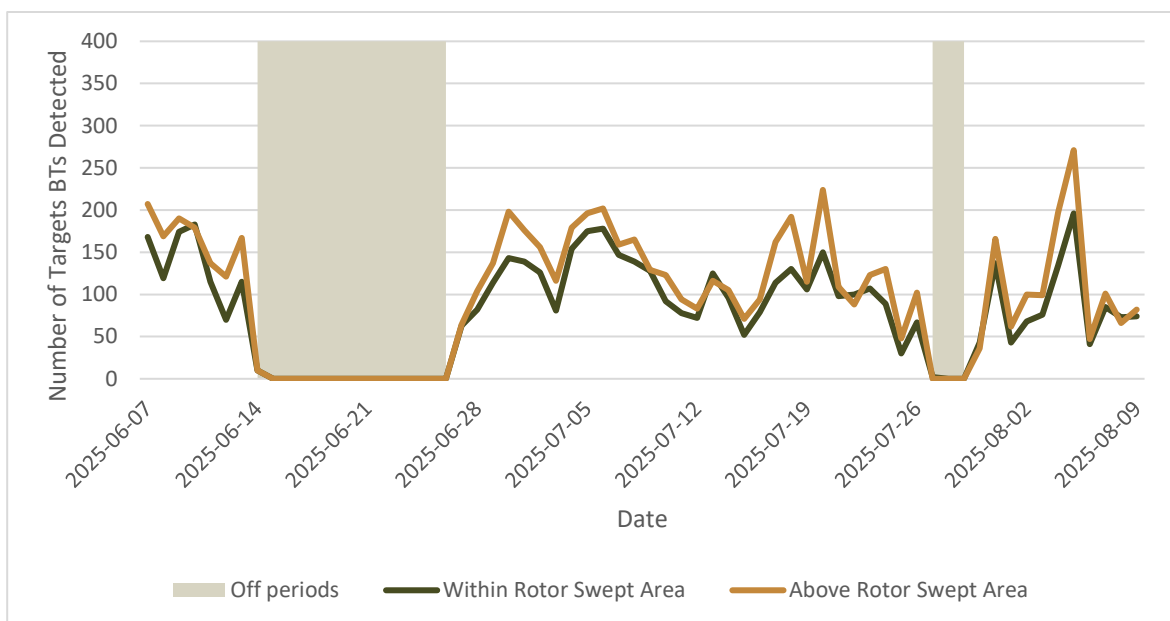


Figure 22: Number of BTs During the 2024 ARS Summer Monitoring Period Within and Above the Rotor Swept Area of Potential Turbines

Acoustic Monitoring Results

2024 Fall Nighthawk Results

The Nighthawk model made a total of 27,123 detections at GCBird4 during the 2024 fall monitoring period, with most occurring in September (49%), followed by August (29%), and October (16%). Detections declined into November (6%) (Figure 23; Table 7, attached).

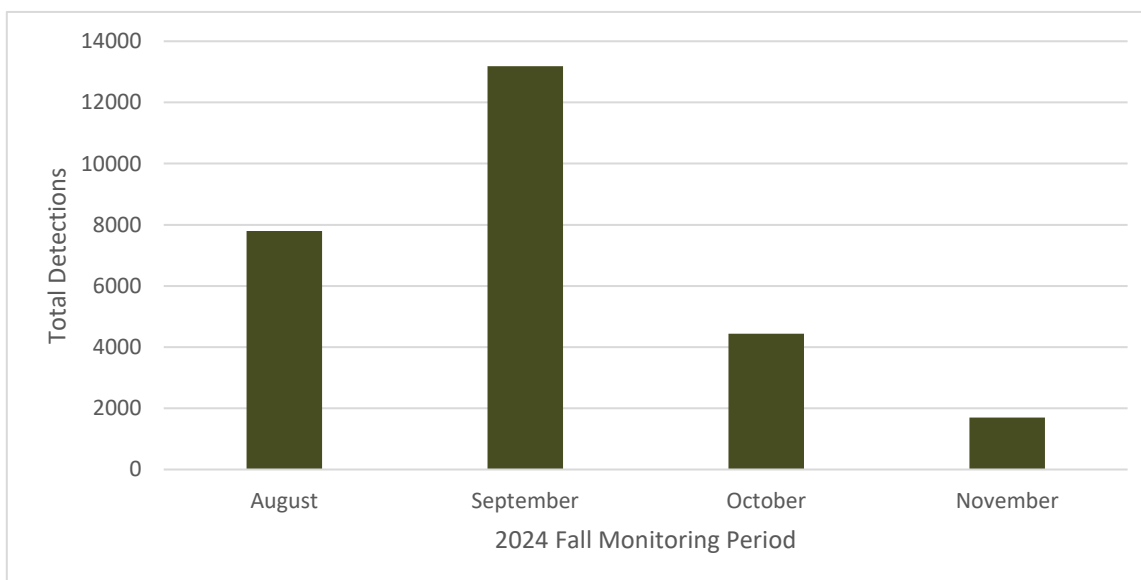


Figure 23: Total Number of Detections made by Nighthawk at GCBird4 During the 2024 Fall Monitoring Period

Most of the detections occurred between 20:00 and 08:00, with the highest number of detections occurring in the morning within the 06:00 (2,912) and 07:00 timeframes (4,516) and in the evening within the 21:00 (2,152), 22:00 (2,179), and 23:00 timeframes (2,135) (Figure 24).

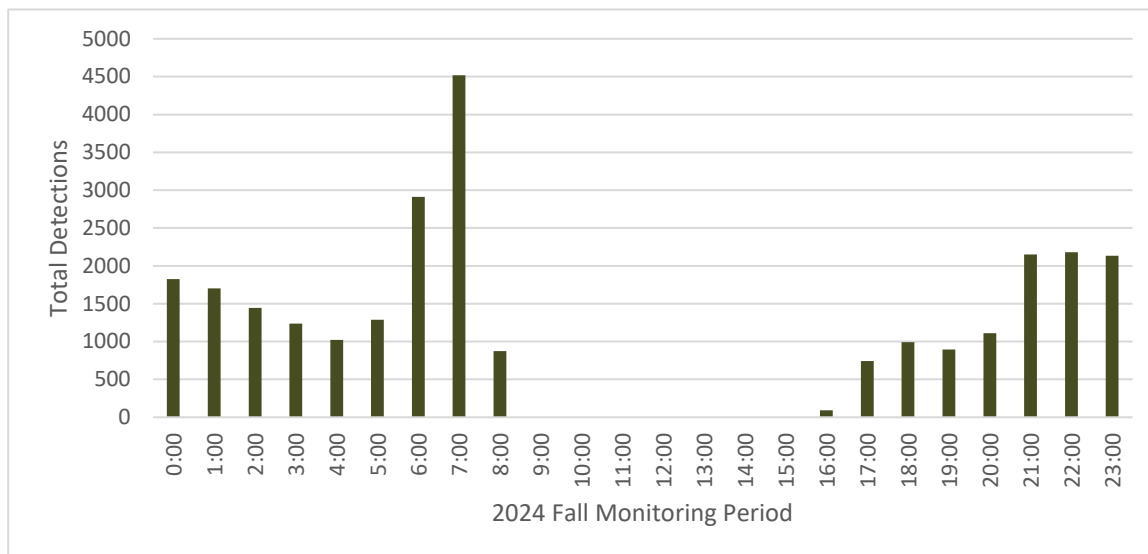


Figure 24: Timeframe of Nighthawk Detections at GCBird4 During the 2024 Fall Monitoring Period

A subset of 889 detections was manually verified by Strum environmental scientists, and of those, 476 (54%) were correctly identified by Nighthawk (Table 7, attached). Nighthawk was most successful at detecting American robin (*Turdus migratorius*), black-and-white warbler (*Mniotilta varia*), dickcissel (*Spiza americana*), dark-eyed junco (*Juncus hyemalis*), hermit thrush (*Catharus guttatus*), mourning warbler (*Geothlypis philadelphia*), palm warbler (*Setophaga palmarum*), and white-throated sparrow (*Zonotrichia albicollis*); all of which had a positive detection rate of 90% or higher when the sample of detections were manually verified. Nighthawk also made 9,729 detections at the group level, 8,716 detections at the family level, and 8,704 detections at the order level (Table J).

Table J: Summary of 2024 Fall Monitoring Period Detections at GCBird4

Species Common Name	Total Detections	Number Manually Verified	Correct Detections (%)	Confidence
American Pipit	42	32	0%	0.94
American Redstart	722	31	20%	0.89
American Robin	64	32	100%	0.99
American Tree Sparrow	18	18	6%	0.99
Black-and-white Warbler	80	30	93%	0.99
Black-billed Cuckoo	1	1	0%	0.99

Species Common Name	Total Detections	Number Manually Verified	Correct Detections (%)	Confidence
Black Oystercatcher	1	1	0%	0.99
Bobolink	80	33	9%	0.99
Black-throated Blue Warbler	19	19	5%	0.90
Cape May Warbler	15	15	27%	0.97
Canada Warbler	25	25	56%	0.98
Chipping Sparrow	10	10	0%	0.93
Chestnut-sided Warbler	140	37	59%	0.95
Common Yellowthroat	228	34	79%	0.99
Dark-eyed Junco	148	34	100%	0.99
Dickcissel	9	9	100%	0.99
Grasshopper Sparrow	62	30	0%	0.99
Greater Yellowlegs	6	6	83%	0.99
Green Heron	6	6	0%	0.99
Gray-cheeked Thrush	5	5	0%	0.99
Hermit Thrush	33	33	93%	0.99
Hooded Warbler	75	31	0%	0.92
Indigo Bunting	2	2	0%	0.95
Killdeer	1	1	0%	0.99
Lapland Longspur	4	4	0%	0.99
Least Sandpiper	11	11	0%	0.99
Mourning Warbler	52	30	97%	0.98
Nashville Warbler	1	1	0%	0.88
Northern Parula	33	30	80%	0.99
Northern Waterthrush	108	31	58%	0.97
Ovenbird	96	30	67%	0.99
Palm Warbler	60	30	90%	0.99
Red-breasted Nuthatch	66	31	81%	0.99
Rose-breasted Grosbeak	9	9	33%	0.99
Savannah Sparrow	60	31	58%	0.99
Scarlet Tanager	3	3	0%	0.99
Semipalmated Plover	14	14	14%	0.97
Short-billed Dowitcher	17	17	24%	0.99
Solitary Sandpiper	64	33	73%	0.96
Spotted Sandpiper	18	18	61%	0.99
Swainson's Thrush	924	38	21%	0.86

Species Common Name	Total Detections	Number Manually Verified	Correct Detections (%)	Confidence
Upland Sandpiper	1	1	0%	0.99
Veery	31	30	73%	0.99
Vesper Sparrow	1	1	0%	0.99
White-crowned Sparrow	1	1	0%	0.99
White-throated Sparrow	939	34	91%	0.99
Wilson's Warbler	3	3	67%	0.98
Wood Thrush	7	7	0%	0.99
Yellow-billed Cuckoo	10	10	0%	0.99
Nighthawk Group Name ²	Total Detections	Number Manually Verified	Correct Detections (%)	Confidence
BUNT	18	0	N/A	N/A
BZWA	1717	0	N/A	N/A
CUPS	48	0	N/A	N/A
DBUP	339	0	N/A	N/A
DESP	168	0	N/A	N/A
DEWA	47	0	N/A	N/A
GCBI	5	0	N/A	N/A
GROS	9	0	N/A	N/A
HSSP	75	0	N/A	N/A
MWAR	105	0	N/A	N/A
SBUF	851	0	N/A	N/A
SFHS	1265	0	N/A	N/A
SWLI	154	0	N/A	N/A
TANA	5	0	N/A	N/A
THSH	1678	0	N/A	N/A
ZEEP	3245	0	N/A	N/A
Family Name	Total Detections	Number Manually Verified	Correct Detections (%)	Confidence
Ardeidae	25	0	N/A	N/A
Bombycillidae	269	0	N/A	N/A
Calcariidae	25	0	N/A	N/A
Cardinalidae	46	0	N/A	N/A
Charadriidae	103	0	N/A	N/A
Cuculidae	22	0	N/A	N/A
Haematopodidae	7	0	N/A	N/A

Family Name	Total Detections	Number Manually Verified	Correct Detections (%)	Confidence
Icteridae	123	0	N/A	N/A
Motacillidae	58	0	N/A	N/A
Parulidae	12887	0	N/A	N/A
Passerellidae	2467	0	N/A	N/A
Scolopacidae	416	0	N/A	N/A
Sittidae	77	0	N/A	N/A
Turdidae	1945	0	N/A	N/A
Order Name	Total Detections	Number Manually Verified	Correct Detections (%)	Confidence
Charadriiformes	719	0	N/A	N/A
Cuculiformes	26	0	N/A	N/A
Passeriformes	26377	0	N/A	N/A
Pelecaniformes	27	0	N/A	N/A

¹ Detections were identified to the highest taxonomic level possible using Nighthawk (i.e., if not species, then group, etc.).

This table was organized to avoid counting any given detection in more than one category (i.e. if a detection was identified to species level, it was not also counted in the group, family, or order level categories).

² Groupings of birds with similar NFCs (Van Doren et al., 2023).

False positive detections can be attributed to an oversensitivity of the model in conjunction with noise interference from wind, vegetation, amphibians, insects, and other environmental factors. Noise generated by these sources often falls in the same frequency range as the avian vocalizations detectable by the model. This often creates confusion for the model and allows false positives to occur. Spring peeper frogs (*Pseudacris crucifer*) were noted as being a common source of error, since their calls closely resemble the NFCs of avian species such as the Swainson's thrush (*Catharus ustulatus*).

Most of the confirmed positive detections made during the fall monitoring period occurred in August (38%) and September (38%), which represents the peak of fall migration movement for most species. Positive detections decreased in October (22%), suggesting the start of the decline of migratory movement in the fall season. Positive detections notably decreased in November (1%), which signified the end of fall migration activity (Figure 25).

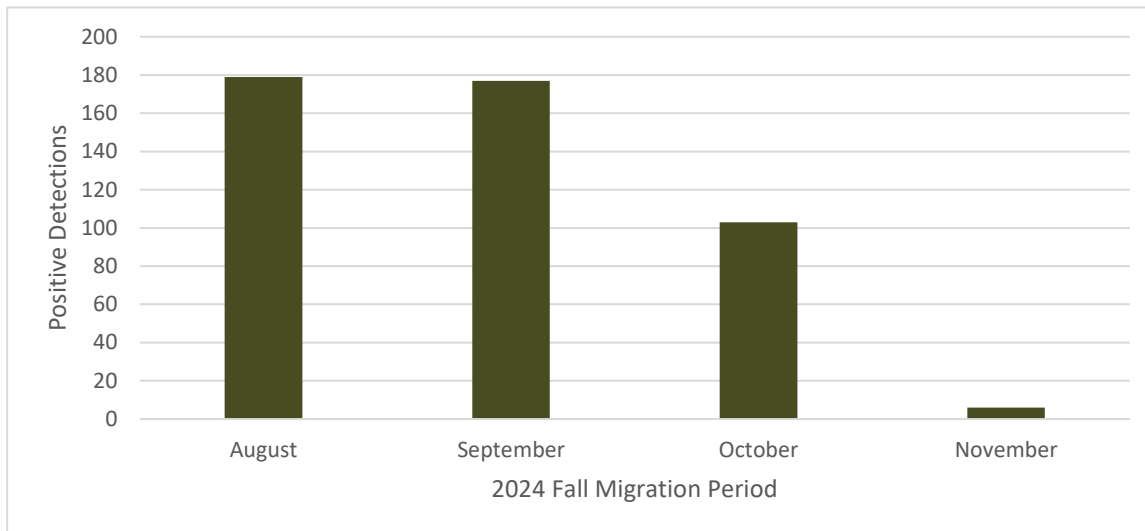


Figure 25: Positive Nighthawk Detections at GCBird4 During the 2024 Fall Monitoring Period

The highest number of detections occurred from the 05:00 to 08:00 timeframes, and from the 22:00 to 0:00 timeframes. There was an increase in detections from 19:00 to 23:00, followed by a levelling off from 00:00 to 05:00, and then a peak at 06:00 and 07:00 timeframes which accounted for 33% of all detections (Figure 26).

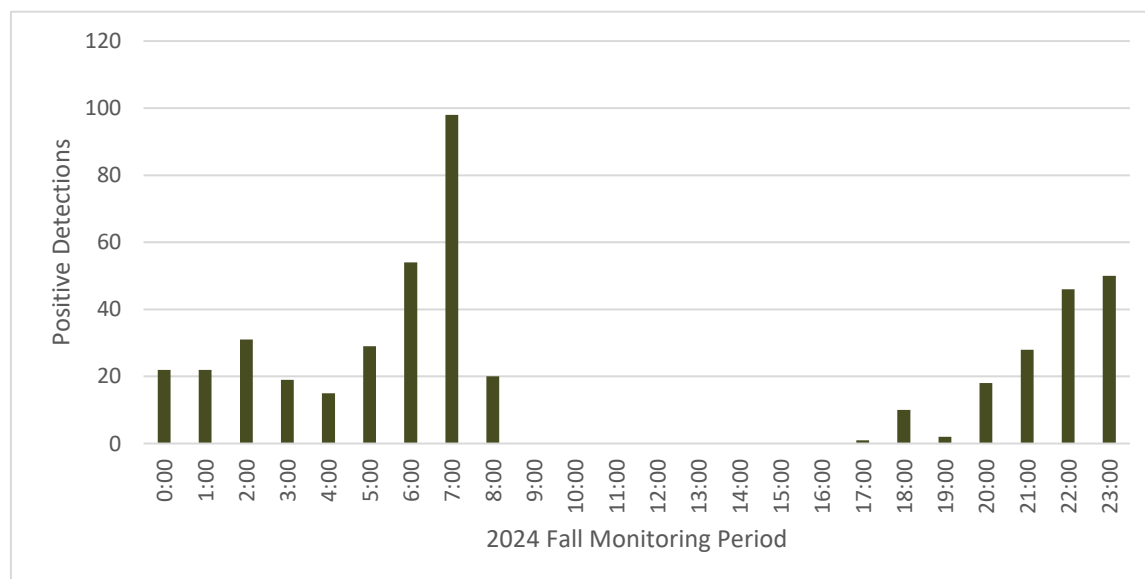


Figure 26: Timeframe of Positive Nighthawk Detections at GCBird4 During the 2024 Fall Monitoring Period

This peak may be explained by the beginning of dawn diurnal avian vocalizations. During the 2024 fall monitoring period, 30 bird species were correctly identified by the model (Table K).

Table K: Summary of Species Correctly Identified by Nighthawk at GCBird4 During the 2024 Fall Monitoring Period

Common Name	Scientific Name	COSEWIC Status	SARA Status	ESA Status	NS S-Rank*
American Redstart	<i>Setophaga ruticilla</i>	-	-	-	S5B
American Robin	<i>Turdus migratorius</i>	-	-	-	S5B,S3N
American Tree Sparrow	<i>Spizella arborea</i>	-	-	-	S5N
Black-and-white Warbler	<i>Mniotilta varia</i>	-	-	-	S5B
Bobolink	<i>Dolichonyx oryzivorus</i>	Special Concern	Threatened	Vulnerable	S3B
Black-throated Blue Warbler	<i>Setophaga caerulescens</i>	-	-	-	S5
Cape May Warbler	<i>Setophaga tigrina</i>	-	-	-	S3B,SUM
Canada Warbler	<i>Cardelina canadensis</i>	Special Concern	Threatened	Endangered	S3B
Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>	-	-	-	S5B
Common Yellowthroat	<i>Geothlypis trichas</i>	-	-	-	S5B
Dark-eyed Junco	<i>Junco hyemalis</i>	-	-	-	S4S5
Dickcissel	<i>Spiza americana</i>	-	-	-	SNA
Greater Yellowlegs	<i>Tringa melanoleuca</i>	-	-	-	S3B,S4M
Hermit Thrush	<i>Catharus guttatus</i>	-	-	-	S5B
Mourning Warbler	<i>Geothlypis philadelphia</i>	-	-	-	S4B,S5M
Northern Parula	<i>Setophaga americana</i>	-	-	-	S5B
Northern Waterthrush	<i>Parkesia noveboracensis</i>	-	-	-	S4B,S5M
Ovenbird	<i>Seiurus aurocapilla</i>	-	-	-	S5B
Palm Warbler	<i>Setophaga palmarum</i>	-	-	-	S5B
Red-breasted Nuthatch	<i>Sitta canadensis</i>	-	-	-	S4S5
Rose-breasted Grosbeak	<i>Pheucticus ludovicianus</i>	-	-	-	S3B
Savannah Sparrow	<i>Passerculus sandwichensis</i>	-	-	-	S4S5B,S5M
Semipalmated Plover	<i>Charadrius semipalmatus</i>	-	-	-	S1B,S4M
Short-billed Dowitcher	<i>Limnodromus griseus</i>	Threatened	-	-	S3M
Solitary Sandpiper	<i>Tringa solitaria</i>	-	-	-	SUB,S3S4M
Spotted Sandpiper	<i>Actitis macularius</i>	-	-	-	S3S4B,S5M
Swainson's Thrush	<i>Catharus ustulatus</i>	-	-	-	S4B,S5M
Veery	<i>Catharus fuscescens</i>	-	-	-	S4B
White-throated Sparrow	<i>Zonotrichia albicollis</i>	-	-	-	S4S5B,S5M
Wilson's Warbler	<i>Cardellina pusilla</i>	-	-	-	S3B,S5M

*Source: (ACCDC, 2025)

The species with the most positive detections were dark-eyed junco (34), American robin (32), and hermit thrush (30). The dataset included positive detections of two SAR: bobolink (*Dolichonyx oryzivorus*) and Canada warbler (*Cardellina canadensis*). There were three positive detections of bobolink, all occurring on August 24, 2024. These detections are thought to represent nocturnal migrants, as there is no suitable breeding habitat (i.e. grasslands) for this species within the Study Area. There were 15 positive detections of Canada warbler between August 23 to September 11, 2024. Detections of this species were consistent during this timeframe, with notably higher activity between August 23 and September 3, 2024. This signified a peak in Canada warbler migratory movement during the monitoring period.

Eight SOCI were also detected during the 2024 fall monitoring period, which consisted of Cape May warbler (*Setophaga tigrina*), greater yellowlegs (*Tringa melanoleuca*), rose-breasted grosbeak (*Pheucticus ludovicianus*), semipalmated plover (*Charadrius semipalmatus*), short-billed dowitcher (*Limnodromus griseus*), solitary sandpiper (*Tringa solitaria*), spotted sandpiper (*Actitis macularius*), and Wilson's warbler (*Cardellina pusilla*). Notably, five of these species were shorebirds. Although the fall monitoring period lasted multiple months, positive shorebird detections occurred exclusively between August 22 and September 15, 2024. This short timespan correlates with the peak of shorebird migration in the Maritimes, in late August to early September (Clean Annapolis River Project, 1996).

August and September had the highest number of unique species detected during the 2024 fall monitoring period. October and November had noticeably fewer unique species detected, signifying a decline in avian migratory diversity in those months (Figure 27)

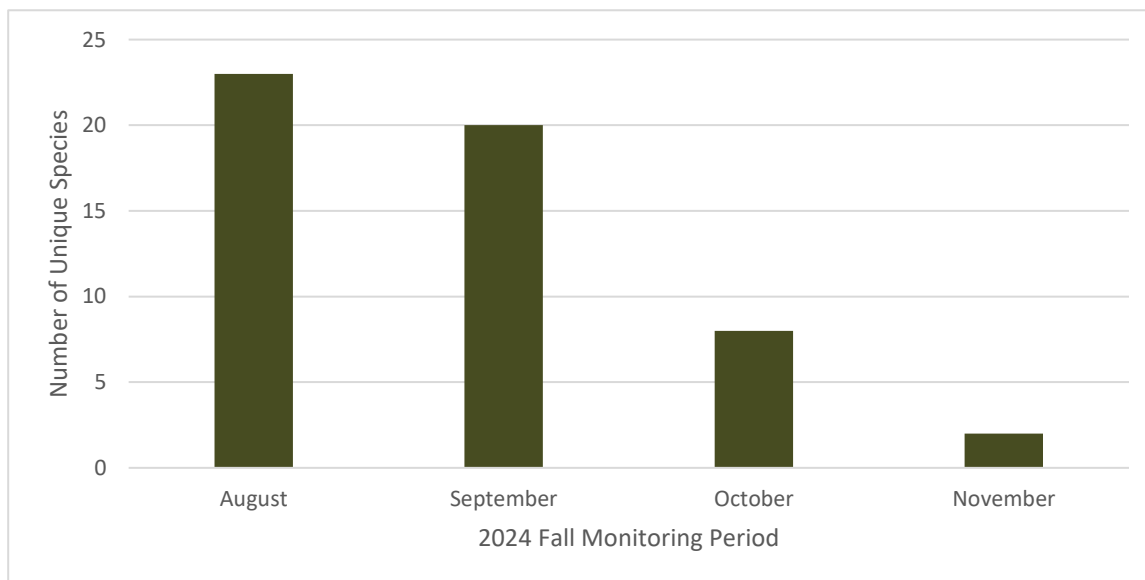


Figure 27: Nighthawk Species Richness at GCBird4 During the 2024 Fall Monitoring Period

2025 Spring Nighthawk Results

The Nighthawk model made a total of 21,389 detections at GCBird4 during the 2025 spring monitoring period, with most occurring in May (66%) followed by April (30%), June (2%), and March (2%) (Figure 28; Table 8).

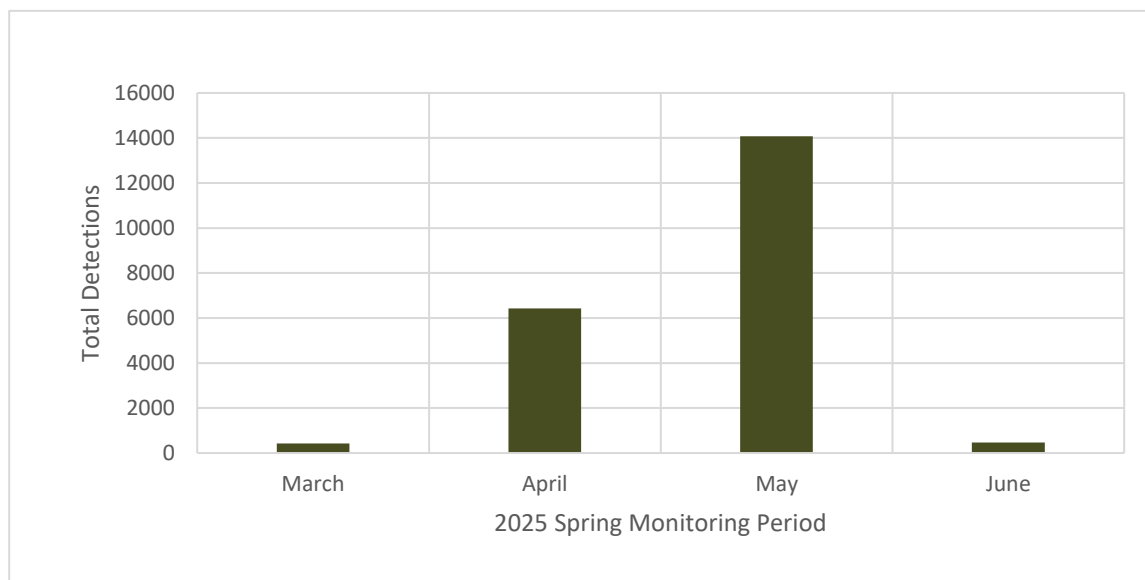


Figure 28: Total Number of Detections made by Nighthawk at GCBird4 During the 2025 Spring Monitoring Period

The large difference in the number of detections between May and June demonstrates that after peaking in May, migratory movements slowed down quickly as the core breeding season began. Most of the detections occurred between 21:00 and 4:00, with little to no activity outside of those hours (Figure 29).

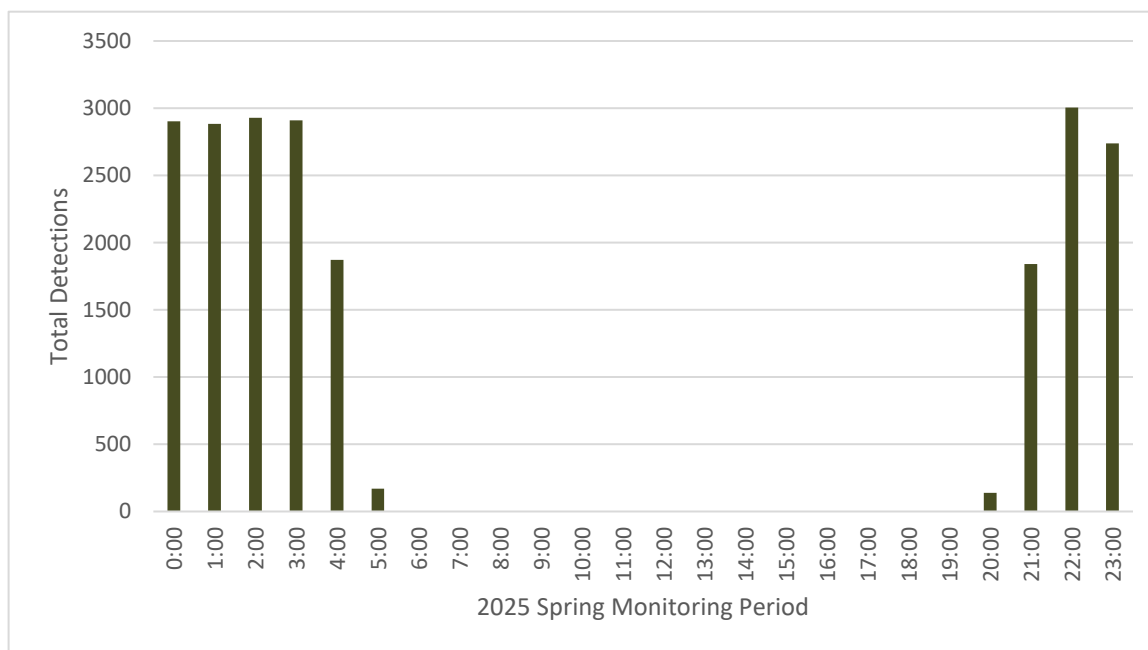


Figure 29: Total Number of Detections made by Nighthawk at GCBird4 During the 2025 Spring Monitoring Period

A subset of 237 detections was manually verified by Strum environmental scientists, and of those, 88 (37%) were correctly identified by Nighthawk (Table 8, attached). Nighthawk was

most successful at detecting northern parula (*Setophaga americana*), Canada warbler, and white-throated sparrow, all of which had a success rate of 87% or higher when a sample of detections were manually verified. Nighthawk also made 1,635 detections at the group level, 5,925 detections at the family level, and 13,375 detections at the order level (Table L).

Table L: Summary of 2025 Spring Monitoring Period Detections at GCBIRD4

Species Common Name	Total Detections	Number Manually Verified	Correct Detections (%)	Confidence
American Pipit	1	1	0%	0.97
American Redstart	46	32	38%	0.89
Black-and-white Warbler	6	6	67%	0.98
Black-billed Cuckoo	17	17	0%	0.99
Black Oystercatcher	3	3	0%	0.99
Bobolink	1	1	0%	0.99
Black-throated Blue Warbler	2	2	0%	0.91
Canada Warbler	2	2	100%	0.99
Chipping Sparrow	1	1	0%	0.94
Chestnut-sided Warbler	10	10	20%	0.91
Common Yellowthroat	18	18	33%	0.99
Dark-eyed Junco	3	3	33%	0.98
Grasshopper Sparrow	7	7	0%	0.97
Hooded Warbler	1	1	0%	0.90
Least Sandpiper	2	2	0%	0.99
Northern Parula	3	3	100%	0.99
Ovenbird	18	18	78%	0.97
Red-breasted Nuthatch	12	12	0%	0.98
Savannah Sparrow	19	19	79%	0.99
Semipalmated Plover	1	1	0%	0.93
Spotted Sandpiper	4	4	75%	0.99
Swainson's Thrush	18	30	0%	0.85
Upland Sandpiper	2	2	0%	0.93
White-crowned Sparrow	1	1	0%	0.99
White-throated Sparrow	247	30	87%	0.99
Yellow-billed Cuckoo	11	11	0%	0.99
Nighthawk Group Name ²	Total Detections	Number Manually Verified	Correct Detections (%)	Confidence
BUNT	42	0	N/A	N/A
BZWA	121	0	N/A	N/A
CUPS	2	0	N/A	N/A
DBUP	37	0	N/A	N/A

Nighthawk Group Name ²	Total Detections	Number Manually Verified	Correct Detections (%)	Confidence
DESP	30	0	N/A	N/A
DEWA	7	0	N/A	N/A
HSSP	12	0	N/A	N/A
MWAR	4	0	N/A	N/A
SBUF	91	0	N/A	N/A
SFHS	276	0	N/A	N/A
SWLI	81	0	N/A	N/A
THSH	230	0	N/A	N/A
ZEEP	1162	0	N/A	N/A
Family Name	Total Detections	Number Manually Verified	Correct Detections (%)	Confidence
Ardeidae	7	0	N/A	N/A
Calcariidae	15	0	N/A	N/A
Cardinalidae	42	0	N/A	N/A
Charadriidae	27	0	N/A	N/A
Cuculidae	65	0	N/A	N/A
Haematopodidae	27	0	N/A	N/A
Icteridae	3	0	N/A	N/A
Laridae	5	0	N/A	N/A
Motacillidae	1	0	N/A	N/A
Parulidae	6615	0	N/A	N/A
Passerellidae	859	0	N/A	N/A
Scolopacidae	27	0	N/A	N/A
Sittidae	17	0	N/A	N/A
Turdidae	306	0	N/A	N/A
Order Name	Total Detections	Number Manually Verified	Correct Detections (%)	Confidence
Charadriiformes	459	0	N/A	N/A
Cuculiformes	76	0	N/A	N/A
Passeriformes	20849	0	N/A	N/A
Pelecaniformes	7	0	N/A	N/A

¹ Detections were identified to the highest taxonomic level possible using Nighthawk. Table was organized to avoid counting any given detection in more than one category (i.e. if a detection was identified to species level, it was not also counted in the group, family, or order level categories).

² Groupings of birds with similar NFCs (Van Doren et al., 2023).

Most of the positive detections occurred in May (83%), which signifies the peak of spring songbird migration in NS. There were no positive detections in March or June, which represent the months on either side of the peak of spring passerine migration. (Figure 30).

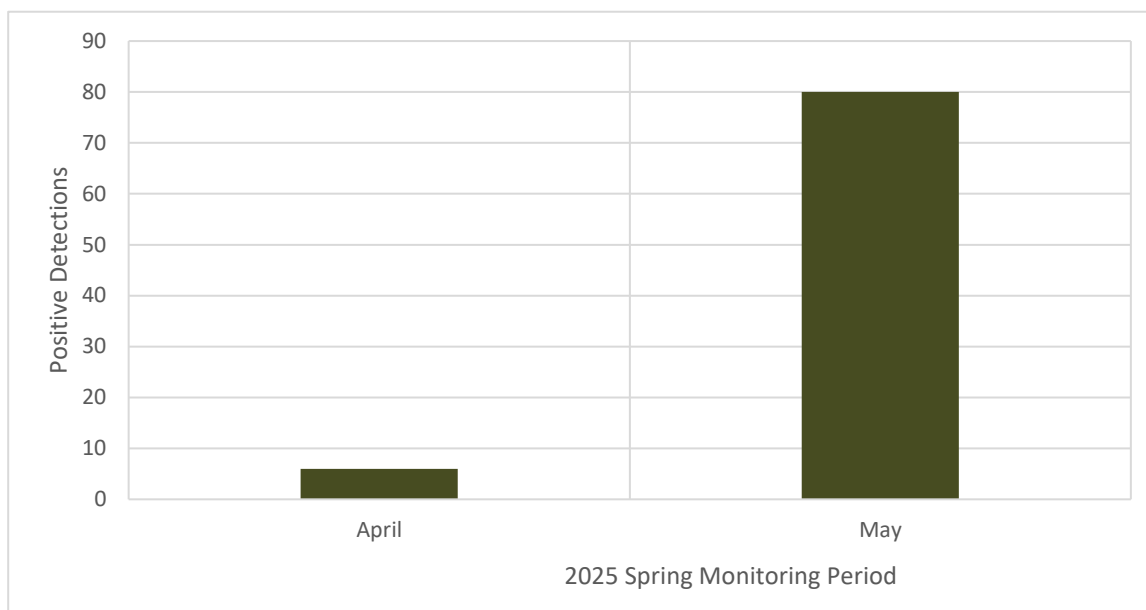


Figure 30: Positive Nighthawk Detections at GCBird4 during the 2025 Spring Monitoring Period

The peak of positive detections occurred from 23:00 to 01:00 and declined consistently until 04:00 (Figure 31).

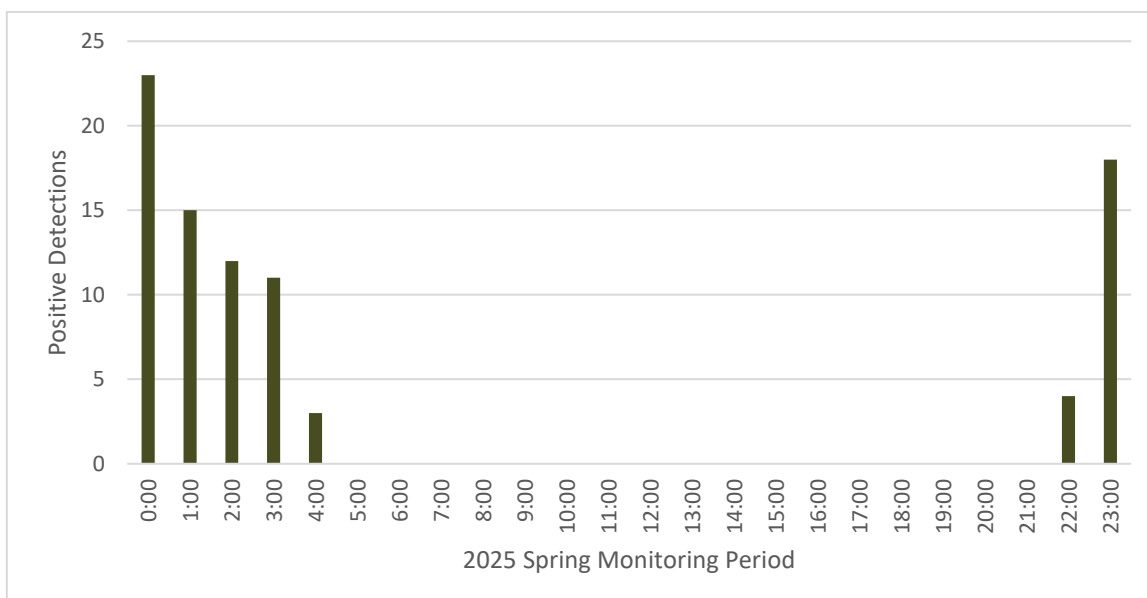


Figure 31: Timeframe of Positive Nighthawk Detections at GCBird4 during the 2025 Spring Monitoring Period

A total of 11 species were confirmed to have been detected and positively identified by the model during the 2025 spring monitoring period (Table M).

Table M: Summary of Species Correctly Identified by Nighthawk at GCBird4 during the 2025 Spring Monitoring Period

Common Name	Scientific Name	COSEWIC Status	SARA Status	ESA Status	NS S-Rank
American Redstart	<i>Setophaga ruticilla</i>	---	---	---	S5B
Black-and-white Warbler	<i>Mniotilta varia</i>	---	---	---	S5B
Canada Warbler	<i>Cardelina canadensis</i>	Special Concern	Threatened	Endangered	S3B
Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>	---	---	---	S5B
Common Yellowthroat	<i>Geothlypis trichas</i>	---	---	---	S5B
Dark-eyed Junco	<i>Junco hyemalis</i>	---	---	---	S4S5
Northern Parula	<i>Setophaga americana</i>	---	---	---	S5B
Ovenbird	<i>Seiurus aurocapilla</i>	---	---	---	S5B
Savannah Sparrow	<i>Passerculus sandwichensis</i>	---	---	---	S4S5B,S5M
Spotted Sandpiper	<i>Actitis macularius</i>	---	---	---	S3S4B,S5M
White-throated Sparrow	<i>Zonotrichia albicollis</i>	---	---	---	S4S5B,S5M

Source: (ACCD, 2025)

The most detected species were white-throated sparrow (26), savannah sparrow (*Passerculus sandwichensis*) (15), and ovenbird (*Seiurus aurocapilla*) (14). Canada warbler was the only SAR positively detected by Nighthawk during the 2025 spring monitoring period, with two detections on May 27 and May 30, 2025. The Canada warbler detections occurred in the expected window of spring migration for this species (COSEWIC, 2020) and were recorded at night, suggesting that these birds were actively migrating to their breeding locations. One SOCI, spotted sandpiper, was also detected and positively identified by the model. In addition to having the highest number of positive detections, May also had the highest species richness detected during the spring monitoring period (Figure 32).

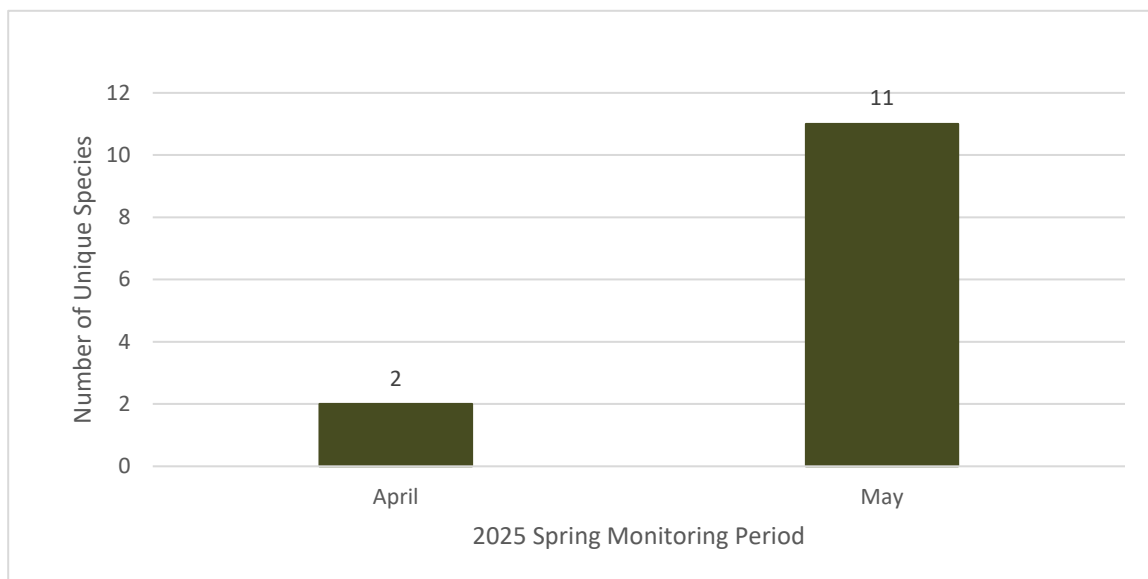


Figure 32: Nighthawk Species Richness at GCBird4 During the 2025 Spring Monitoring Period

2025 Summer and Fall Nighthawk Results

The Nighthawk model made a total of 26,361 detections at GCBird4 during the 2025 summer and fall monitoring period, with most occurring in August (70%), followed by September (24%), June (3%), and July (3%) (Figure 33; Table 9, attached).

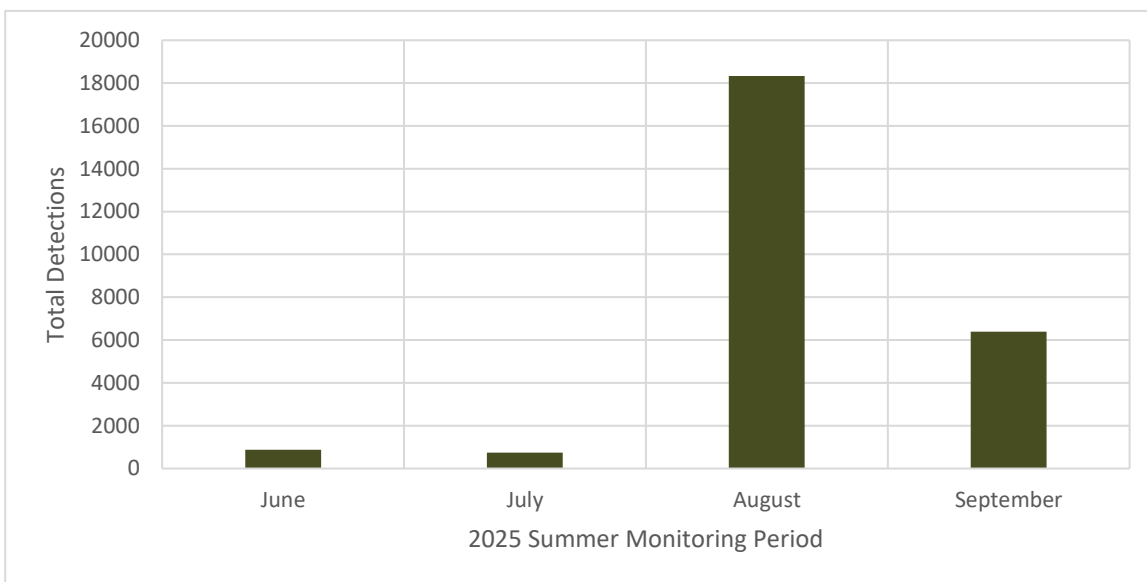


Figure 33: Total Number of Nighthawk Detections at GCBird4 during the 2025 Summer and Fall Monitoring Period

GCBird4 was pulled from the field on September 9, 2025, and the data from early September were included in the summer 2025 dataset as fall migration extends to late November. Many of these detections can likely be attributed to fall migrants.

Most of the detections made by Nighthawk occurred from 21:00 to 05:00, with a peak within the 21:00 to 01:00 timeframe (Figure 34).

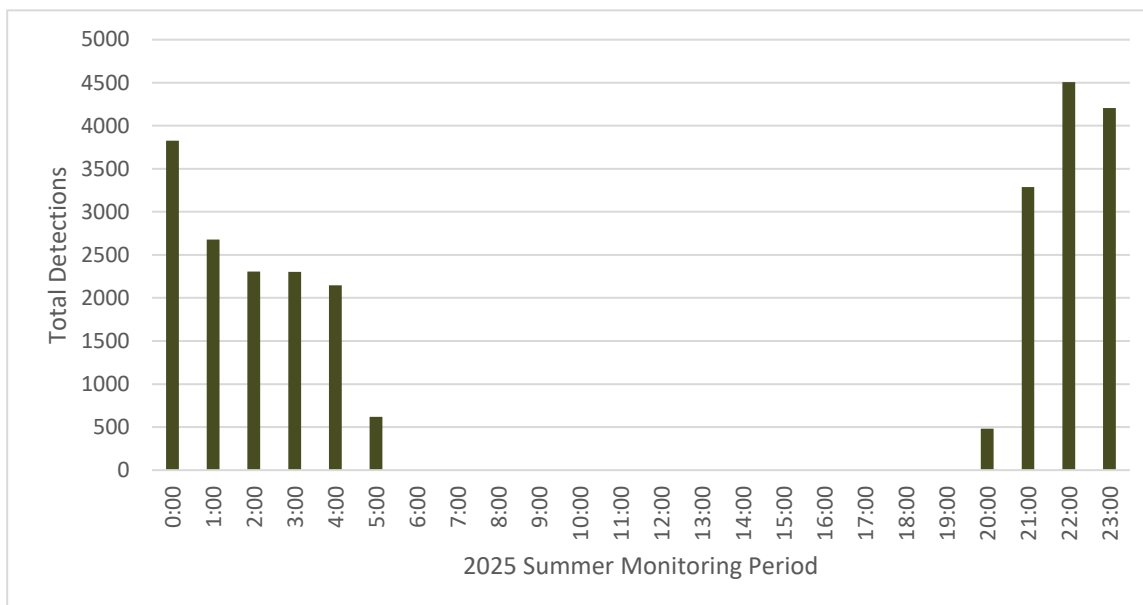


Figure 34: Timeframe of Nighthawk Detections at GCBird4 during the 2025 Summer and Fall Monitoring Period

A subset of 699 detections was manually verified by Strum environmental scientists and of those, 388 (56%) were correctly identified by Nighthawk (Table 9, attached). Nighthawk was most successful at detecting black-and-white warbler, common yellowthroat (*Geothlypis trichas*), mourning warbler, northern parula, northern waterthrush (*Parkesia noveboracensis*), ovenbird, palm warbler, savannah sparrow (*Passerculus sandwichensis*), and Wilson's warbler; all of which had a 90% or higher success rate. Nighthawk also made 9,280 detections at the group level, 11,204 detections at the family level, and 5,876 detections at the order level (Table N).

Table N: Summary of the 2025 Summer and Fall Monitoring Period Detections at GCBIRD4

Species Common Name	Total Detections	Number Manually Verified	Correct Detections (%)	Confidence
American Pipit	36	30	0%	0.95
American Redstart	1813	30	87%	0.90
American Tree Sparrow	5	5	0%	0.99
Black-and-white Warbler	400	34	100%	0.99
Black-billed Cuckoo	23	23	0%	0.99
Black-throated Blue Warbler	4	4	50%	0.89
Bobolink	11	11	0%	0.99
Canada Warbler	213	32	81%	0.99
Cape May Warbler	6	6	80%	0.99

Species Common Name	Total Detections	Number Manually Verified	Correct Detections (%)	Confidence
Chipping Sparrow	9	9	38%	0.92
Chestnut-sided Warbler	298	35	77%	0.95
Common Yellowthroat	523	32	100%	0.99
Dickcissel	1	1	0%	0.99
Greater Yellowlegs	1	1	0%	0.99
Green Heron	1	1	0%	0.99
Grey-cheeked Thrush	7	7	0%	0.99
Hooded Warbler	74	31	0%	0.93
Lapland Longspur	18	18	0%	0.99
Least Sandpiper	34	30	13%	0.99
MacGillivray's Warbler	2	2	0%	0.99
Mourning Warbler	90	32	97%	0.99
Northern Parula	77	30	100%	0.99
Northern Waterthrush	89	35	97%	0.99
Ovenbird	292	30	100%	0.97
Palm Warbler	22	22	91%	0.99
Red-breasted Nuthatch	43	30	0%	0.99
Rose-breasted Grosbeak	5	5	20%	0.99
Savannah Sparrow	26	26	92%	0.99
Semipalmated Plover	11	11	73%	0.98
Short-billed Dowitcher	31	31	0%	0.99
Solitary Sandpiper	8	8	50%	0.98
Spotted Sandpiper	10	10	50%	0.99
Swainson's Thrush	716	31	0%	0.87
Veery	20	20	85%	0.99
Vesper Sparrow	3	3	0%	0.99
White-throated Sparrow	33	31	87%	0.99
Wilson's Warbler	10	10	90%	0.98
Wood Thrush	4	4	0%	0.99
Yellow-billed Cuckoo	11	11	0%	0.99
Nighthawk Group Name ²	Total Detections	Number Manually Verified	Correct Detections (%)	Confidence
BUNT	1	0	N/A	N/A
BZWA	1972	0	N/A	N/A
CUPS	36	0	N/A	N/A
DBUP	567	0	N/A	N/A
DESP	43	0	N/A	N/A

Nighthawk Group Name ²	Total Detections	Number Manually Verified	Correct Detections (%)	Confidence
DEWA	99	0	N/A	N/A
GCB1	7	0	N/A	N/A
GROS	5	0	N/A	N/A
HSSP	7	0	N/A	N/A
MWAR	192	0	N/A	N/A
SBUF	1042	0	N/A	N/A
SFHS	37	0	N/A	N/A
SWLI	4	0	N/A	N/A
THSH	1231	0	N/A	N/A
ZEED	4017	0	N/A	N/A
Family Name	Total Detections	Number Manually Verified	Correct Detections (%)	Confidence
Ardeidae	14	0	N/A	N/A
Bombycillidae	1	0	N/A	N/A
Calcariidae	39	0	N/A	N/A
Cardinalidae	11	0	N/A	N/A
Charadriidae	41	0	N/A	N/A
Cuculidae	60	0	N/A	N/A
Haematopodidae	2	0	N/A	N/A
Icteridae	18	0	N/A	N/A
Laridae	5	0	N/A	N/A
Motacillidae	47	0	N/A	N/A
Parulidae	18,409	0	N/A	N/A
Passerellidae	184	0	N/A	N/A
Scolopacidae	218	0	N/A	N/A
Sittidae	51	0	N/A	N/A
Turdidae	1384	0	N/A	N/A
Order Name	Total Detections	Number Manually Verified	Correct Detections (%)	Confidence
Charadriiformes	362	0	N/A	N/A
Cuculiformes	67	0	N/A	N/A
Passeriformes	25917	0	N/A	N/A
Pelecaniformes	14	0	N/A	N/A

¹ Detections were identified to the highest taxonomic level possible using Nighthawk. Table was organized so as to avoid counting any given detection in more than one category (i.e. if a detection was identified to species level, it was not also counted in the group, family, or order level categories).

² Groupings of birds with similar NFCs (Van Doren et al., 2023).

Detections were notably higher in August (75%) than in June (1%), July (5%), or September (19%), indicating more NFCs produced during this particular month. The large increase from July to August signifies the beginning of fall migration in the Study Area. September had fewer positive detections, as GCBird4 was pulled from the field on September 9 (Figure 35).

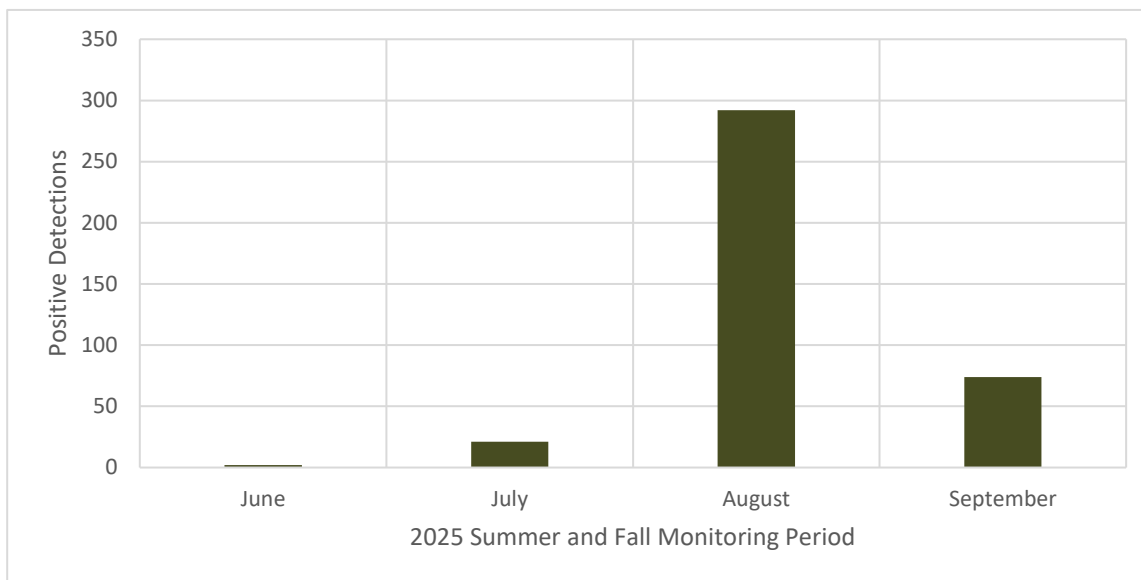


Figure 35: Positive Nighthawk Detections at GCBird4 during the 2025 Summer and Fall Monitoring Period

Positive detections peaked within the 21:00 to 00:00 timeframe, with another smaller peak around 04:00. These peaks likely represent a combination of nocturnal activity and diurnal activity near dusk (Figure 36).

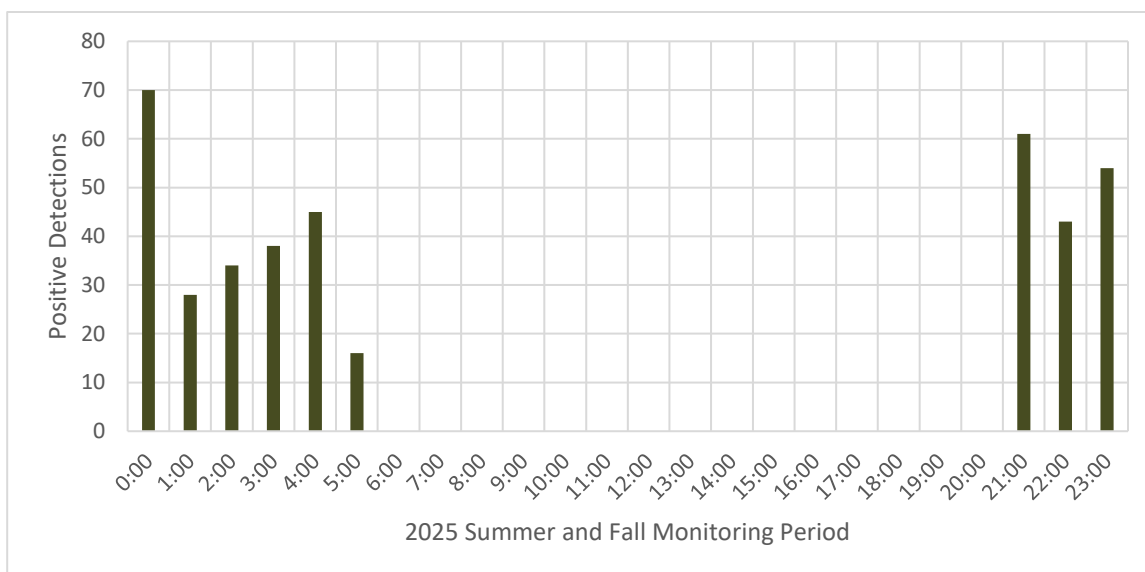


Figure 36: Timeframe of Positive Nighthawk Detections at GCBird4 during the 2025 Summer and Fall Monitoring Period

A total of 23 species were confirmed to have been detected and positively identified by the model during the 2025 summer and fall monitoring period (Table O).

Table O: Summary of Species Correctly Identified by Nighthawk at GCBird4 during the 2025 Summer and Fall Monitoring Period

Common Name	Scientific Name	COSEWIC Status	SARA Status	ESA Status	NS S-Rank
American Redstart	<i>Setophaga ruticilla</i>	-	-	-	S5B
Black-and-white Warbler	<i>Mniotilta varia</i>	-	-	-	S5B
Black-throated Blue Warbler	<i>Setophaga caerulescens</i>	-	-	-	S5B
Canada Warbler	<i>Cardelina canadensis</i>	Special Concern	Threatened	Endangered	S3B
Cape May Warbler	<i>Setophaga tigrine</i>	-	-	-	S3B, SUM
Chipping Sparrow	<i>Spizella passerina</i>	-	-	-	S4S5
Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>	-	-	-	S5B
Common Yellowthroat	<i>Geothlypis trichas</i>	-	-	-	S5B
Least Sandpiper	<i>Calidris minutilla</i>	-	-	-	S1B,S4M
Mourning Warbler	<i>Geothlypis philadelphia</i>	-	-	-	S4B,S5M
Northern Parula	<i>Setophaga americana</i>	-	-	-	S5B
Northern Waterthrush	<i>Parkesia noveboracensis</i>	-	-	-	S4B,S5M
Ovenbird	<i>Seiurus aurocapilla</i>	-	-	-	S5B
Palm Warbler	<i>Setophaga palmarum</i>	-	-	-	S5B
Rose-breasted Grosbeak	<i>Pheucticus ludovicianus</i>	-	-	-	S3B
Savannah Sparrow	<i>Passerulus sandwichensis</i>	-	-	-	S4S5B,S5M
Semipalmated Plover	<i>Charadrius semipalmatus</i>	-	-	-	S1B,S4M
Solitary Sandpiper	<i>Tringa solitaria</i>	-	-	-	SUB,S3S4M
Spotted Sandpiper	<i>Actitis macularia</i>	-	-	-	S3S4B,S5M
Swainson's Thrush	<i>Catharus ustulatus</i>	-	-	-	S4B,S5M
Veery	<i>Catharus fuscescens</i>	-	-	-	S4B
White-throated Sparrow	<i>Zonotrichia albicollis</i>	-	-	-	S4S5B,S5M
Wilson's Warbler	<i>Cardellina pusilla</i>	-	-	-	S3B,S5M

Source: (ACDC, 2025)

The most-detected species were black-and-white warbler (34), common yellowthroat (32), northern parula (30), northern waterthrush (34), and ovenbird (30). There were 26 positive detections of Canada warbler during the 2025 summer and fall monitoring period. Canada warbler was the only SAR detected by Nighthawk during the 2025 summer and fall monitoring period, with vocalizations detected between August 6 and August 31, 2025. A total of 18 positive Canada warbler detections occurred between August 14 and August 17, 2025, signifying a peak in migratory activity for this species. These detections all occurred between

21:40 and 04:25, signifying nocturnal migratory behaviour. Seven SOCI were positively detected during the 2025 summer and fall monitoring period, consisting of Cape May warbler, least sandpiper (*Calidris minutilla*), rose-breasted grosbeak, semipalmated plover, solitary sandpiper, spotted sandpiper, and Wilson's warbler.

Species richness peaked in August with 22 species. The monitor was pulled from the field on September 9 as the summer and fall monitoring period ended. There were 15 different species detected in September, despite having only collected data for nine days. Many of the detections made in late August and early September likely represent fall migrants (Figure 37).

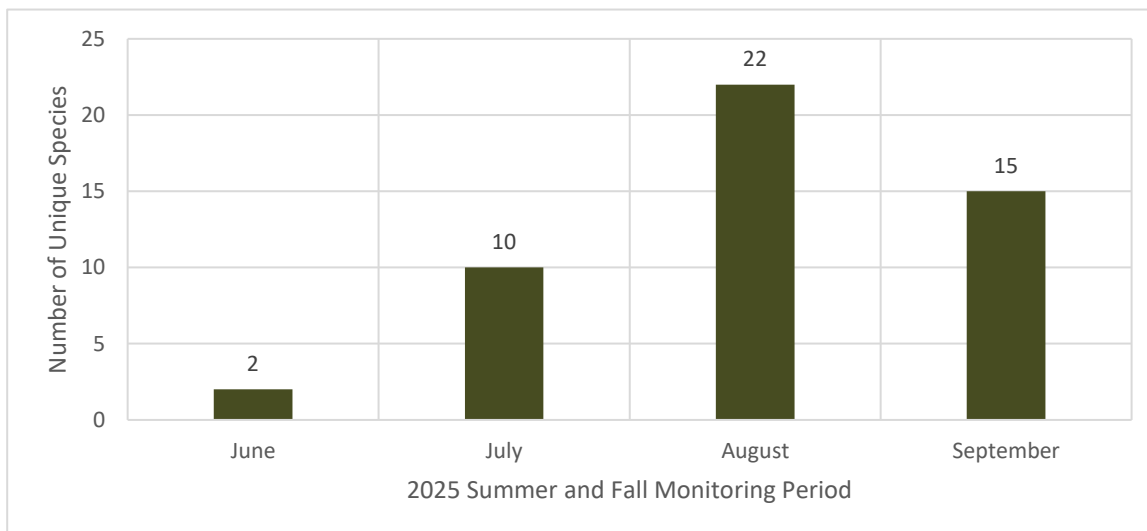


Figure 37: Nighthawk Species Richness at GCBIRD4 During the 2025 Summer and Fall Monitoring Period

2024 Fall Migration Manual Listening

During fall 2024, the four remaining ARUs (GCBird1, GCBird2, GCBird3, and GCBird5) detected approximately 291 individual birds, representing 43 species (Table P; Table 10, attached).

Table P: Species Detected During Manual Listening – 2024 Fall Migration

Common Name	Number of Detections
American Crow	12
American Goldfinch	15
American Redstart	6
American Robin	5
Bald Eagle	1
Bay-breasted Warbler	1
Black-and-white Warbler	21
Black-billed Cuckoo	1
Black-capped Chickadee	40
Blackpoll Warbler	4

Common Name	Number of Detections
Black-throated Green Warbler	2
Blue Jay	9
Blue-headed Vireo	1
Boreal Chickadee	1
Canada Jay	6
Cape May Warbler	5
Cedar Waxwing	6
Chestnut-sided Warbler	2
Common Loon	3
Common Raven	5
Common Yellowthroat	31
Downy Woodpecker	4
Golden-crowned Kinglet	6
Magnolia Warbler	11
Mourning Warbler	1
Northern Flicker	3
Northern Parula	11
Northern Waterthrush	4
Ovenbird	5
Palm Warbler	2
Pine Siskin	2
Purple Finch	4
Red-breasted Nuthatch	6
Red-eyed Vireo	1
Savannah Sparrow	4
Short-billed Dowitcher	5
Song Sparrow	7
Swainson's Thrush	7
Tennessee Warbler	1
White-throated Sparrow	5
Yellow Warbler	1
Yellow-bellied Sapsucker	1
Yellow-rumped Warbler	23
Total	276

The most frequently detected species were black-capped chickadee, common yellowthroat, and yellow-rumped warbler (*Setophaga coronata*). During the monitoring period, four SOCI were detected, including bay-breasted warbler (*Setophaga castanea*), blackpoll warbler (*Setophaga striata*), boreal chickadee (*Poecile hudsonicus*), and Canada jay (*Perisoreus canadensis*). No SAR were detected during this period.

Of the species detected, 38 were passerines, one was a shorebird, one was a diurnal raptor, two were landbirds, and one was a waterbird. Passerines accounted for 89% of the species and 95% of the individual birds observed through acoustic monitoring.

Species richness peaked during August and September and was notably lower in October. The ARUs started recording before sunset and stopped recording after sunrise, which allowed diurnal avian activity to be captured during the manual listening process. There were many nocturnal flight call observations of multiple warbler species during the evening listening periods. The consistent presence of these calls in recordings from August and September suggests nocturnal migration was highest during these months. No avian NFCs were detected in October. A total of 16 warbler species were detected during the fall 2024 manual listening period, with over half of these species identified from NFCs. There was a notable decline in detections in October, coinciding with the decline of annual fall songbird migration in NS.

2025 Spring Migration Manual Listening

During spring 2025, the four ARUs detected approximately 50 individual birds, representing 17 species (Table Q; Table 11, attached).

Table Q: Species Detected During Manual Listening – 2025 Spring Migration

Common Name	Number of Detections
American Robin	2
American Woodcock	7
Barred Owl	7
Common Loon	5
Common Raven	1
Dark-eyed Junco	1
Hermit Thrush	4
Least Flycatcher	1
Northern Parula	2
Northern Saw-whet Owl	2
Palm Warbler	1
Purple Finch	1
Savannah Sparrow	1
Song Sparrow	1
Swamp Sparrow	1
White-throated Sparrow	7
Yellow-rumped Warbler	4
Total	48

The most abundant species were American woodcock (*Scolopax minor*), barred owl (*Strix varia*), and white-throated sparrow. No SOCI or SAR were detected during this period. Of the species detected, 13 were passerines, one was a shorebird, and two were nocturnal raptors. Passerines accounted for 76% of the species and 58% of the individual detections.

Species richness was generally low, most likely due to the acoustic monitors' cutoff time. To target NFCs with Nighthawk, monitors were set to start recording an hour after sunset and to stop recording an hour before sunrise. This monitor schedule helps to specifically target nocturnal avian activity, although timing of monitoring program may also allow for recordings of diurnal bird activities and songs/calls.

Passerine detections were found to be higher in May than in April, which aligns with songbirds returning to their breeding grounds. All species heard were species also identified during field avian assessments within the Study Area, indicating their persistent presence within the Study Area. No NFCs were observed during the spring 2025 manual listening, as all avian vocalizations were diurnal call notes or song. This suggests that the birds detected by manual listening were returning breeding birds.

2025 Summer Manual Listening

During summer 2025, the four ARUs detected approximately 39 individual birds, representing 20 species (Table R; Table 12, attached).

Table R: Species Detected During Manual Listening – 2025 Summer

Common Name	Number of Detections
American Robin	1
Black-capped Chickadee	2
Canada Jay	1
Cedar Waxwing	1
Common Loon	1
Common Nighthawk	11
Common Raven	1
Golden-crowned Kinglet	7
Hermit Thrush	2
Northern Saw-whet Owl	1
Ovenbird	2
Palm Warbler	2
Pileated Woodpecker	1
Savannah Sparrow	1
Spotted Sandpiper	1
Swainson's Thrush	3
Swamp Sparrow	2
White-throated Sparrow	2
Winter Wren	1
Total	43

The most abundant species were common nighthawk and Swainson's thrush. During the monitoring period, one SOCI (Canada jay) was detected. Common nighthawk (*Chordeiles minor*) was the only SAR detected. A pileated woodpecker (*Dryocopus pileatus*) was detected,

and if any nests belonging to this species are identified, they will be protected for at least 36 months under the Migratory Bird Regulations (Government of Canada, 2022).

Of the species detected, 15 were passerines, one was a nocturnal raptor, one was a shorebird, one was a waterbird, and two were categorized as other landbirds. Passerines accounted for 75% of the species and 62% of the individual birds observed.

Species diversity was relatively low for the same reasons discussed in the 2025 spring manual listening results. During the 2025 summer manual listening, species diversity was found to be highest on July 19. Both passerines and non-passerines were abundant, suggesting post-breeding dispersal or migratory movement, as this date is in the transitional zone between breeding and migration for many bird species in NS. One shorebird, a spotted sandpiper, was observed making its flight call during the night on July 19, indicating potential migratory behaviour. Common nighthawk, the only SAR observed during summer 2025 manual listening, was the most frequently detected species during manual listening and occurred on all three days that were analyzed. The vocalizations made by this species were consistent and occurred during both the morning and evening, suggesting the potential for breeding activity within the Study Area.

Table 1: Species Detectable by Nighthawk - Aulds Cove Wind Project

Project # 24-10440

Common Name	Scientific Name
American Redstart	<i>Setophaga ruticilla</i>
American Bittern	<i>Botaurus lentiginosus</i>
American Pipit	<i>Anthus rubescens</i>
American Robin	<i>Turdus migratorius</i>
American Tree Sparrow	<i>Spizelloides arborea</i>
Bicknell's Thrush	<i>Catharus bicknelli</i>
Black Oystercatcher	<i>Haematopus bachmani</i>
Black Skimmer	<i>Rynchops niger</i>
Black-and-white Warbler	<i>Mniotilta varia</i>
Black-bellied Plover	<i>Pluvialis squatarola</i>
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>
Black-crowned Night-Heron	<i>Nycticorax nycticorax</i>
Black-throated Blue Warbler	<i>Setophaga caerulescens</i>
Bobolink	<i>Dolichonyx oryzivorus</i>
Brewer's Sparrow	<i>Spizella breweri</i>
Canada Warbler	<i>Cardellina canadensis</i>
Cape May Warbler	<i>Setophaga tigrina</i>
Cerulean Warbler	<i>Setophaga cerulea</i>
Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>
Chipping Sparrow	<i>Spizella passerina</i>
Clay-colored Sparrow	<i>Spizella pallida</i>
Common Tern	<i>Sterna hirundo</i>
Common Yellowthroat	<i>Geothlypis trichas</i>
Dark-eyed Junco	<i>Junco hyemalis</i>
Dickcissel	<i>Spiza americana</i>
Eastern Meadowlark	<i>Sturnella magna</i>
Forster's Tern	<i>Sterna forsteri</i>
Golden-crowned Kinglet	<i>Regulus satrapa</i>
Golden-winged Warbler	<i>Vermivora chrysoptera</i>
Grasshopper Sparrow	<i>Ammodramus savannarum</i>
Gray-cheeked Thrush	<i>Catharus minimus</i>
Great Egret	<i>Ardea alba</i>
Greater Yellowlegs	<i>Tringa melanoleuca</i>
Green Heron	<i>Butorides virescens</i>
Harris's Sparrow	<i>Zonotrichia querula</i>
Henslow's Sparrow	<i>Centronyx henslowii</i>
Hermit Thrush	<i>Catharus guttatus</i>
Hermit Warbler	<i>Setophaga occidentalis</i>
Hooded Warbler	<i>Setophaga citrina</i>
Indigo Bunting	<i>Passerina cyanea</i>
Kentucky Warbler	<i>Geothlypis formosa</i>
Killdeer	<i>Charadrius vociferus</i>

Table 1: Species Detectable by Nighthawk - Aulds Cove Wind Project

Project # 24-10440

Common Name	Scientific Name
Kirtland's Warbler	<i>Setophaga kirtlandii</i>
Lapland Longspur	<i>Calcarius lapponicus</i>
Lark Sparrow	<i>Chondestes grammacus</i>
Least Bittern	<i>Ixobrychus exilis</i>
Least Sandpiper	<i>Calidris minutilla</i>
Lesser Yellowlegs	<i>Tringa flavipes</i>
Lincoln's Sparrow	<i>Melospiza lincolni</i>
MacGillivray's Warbler	<i>Geothlypis tolmiei</i>
Mourning Warbler	<i>Geothlypis philadelphia</i>
Nashville Warbler	<i>Leiothlypis ruficapilla</i>
Northern Parula	<i>Setophaga americana</i>
Northern Waterthrush	<i>Parkesia noveboracensis</i>
Orchard Oriole	<i>Icterus spurius</i>
Ovenbird	<i>Seiurus aurocapilla</i>
Painted Bunting	<i>Passerina ciris</i>
Palm Warbler	<i>Setophaga palmarum</i>
Red-breasted Nuthatch	<i>Sitta canadensis</i>
Rose-breasted Grosbeak	<i>Pheucticus ludovicianus</i>
Savannah Sparrow	<i>Passerculus sandwichensis</i>
Scarlet Tanager	<i>Piranga olivacea</i>
Seaside Sparrow	<i>Ammospiza maritima</i>
Semipalmated Plover	<i>Charadrius semipalmatus</i>
Short-billed Dowitcher	<i>Limnodromus griseus</i>
Solitary Sandpiper	<i>Tringa solitaria</i>
Spotted Sandpiper	<i>Actitis macularius</i>
Sprague's Pipit	<i>Anthus spragueii</i>
Summer Tanager	<i>Piranga rubra</i>
Swainson's Thrush	<i>Catharus ustulatus</i>
Upland Sandpiper	<i>Bartramia longicauda</i>
Veery	<i>Catharus fuscescens</i>
Vesper Sparrow	<i>Poocetes gramineus</i>
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>
White-throated Sparrow	<i>Zonotrichia albicollis</i>
Wilson's Snipe	<i>Gallinago delicata</i>
Wilson's Warbler	<i>Cardellina pusilla</i>
Wood Thrush	<i>Hylocichla mustelina</i>
Worm-eating Warbler	<i>Helmitheros vermivorum</i>
Yellow-billed Cuckoo	<i>Coccyzus americanus</i>
Yellow-rumped Warbler	<i>Setophaga coronata</i>
Yellow-throated Warbler	<i>Setophaga dominica</i>

Table 2: 2024 Daily Weather Data - Aulds Cove Wind Project

Project #24-10440

Longitude (x)	Latitude (y)	Station Name	Climate ID	Date/Time	Year	Month	Day	Mean Temp (°C)	Total Precip (mm)	Direction of Max Gust (10s deg)	Speed of Max Gust (km/h)
-61.37	45.66	PORT HAWKESBURY	8204495	2024-01-01	2024	1	1	-2.8	0	28	37
				2024-01-02	2024	1	2	-6	0		
				2024-01-03	2024	1	3	-4.9	0		
				2024-01-04	2024	1	4	-2.2	0		
				2024-01-05	2024	1	5	-3.7	0.2	30	63
				2024-01-06	2024	1	6	-6.6	0	31	61
				2024-01-07	2024	1	7	-5.4	0		
				2024-01-08	2024	1	8	-4.5	0	28	54
				2024-01-09	2024	1	9	-6.4	0	31	74
				2024-01-10	2024	1	10	-2	46.3	9	89
				2024-01-11	2024	1	11	3.2	0	24	42
				2024-01-12	2024	1	12	-2.1	0	27	50
				2024-01-13	2024	1	13	-2.6	19.7	12	71
				2024-01-14	2024	1	14	3.2	7.4	14	67
				2024-01-15	2024	1	15	-4.3	0	28	48
				2024-01-16	2024	1	16	-4.7	16.6	8	54
				2024-01-17	2024	1	17	0.9	10.4	28	63
				2024-01-18	2024	1	18	-6.9	0	26	72
				2024-01-19	2024	1	19	-6.3	0	27	59
				2024-01-20	2024	1	20	-4.8	0	27	39
				2024-01-21	2024	1	21	-3	1.5	29	48
				2024-01-22	2024	1	22	-4.4	0	30	45
				2024-01-23	2024	1	23	-3.6	0	31	80
				2024-01-24	2024	1	24	-7.9	0	34	45
				2024-01-25	2024	1	25	-4.3	3.7	36	41
				2024-01-26	2024	1	26	-8.2	0		
				2024-01-27	2024	1	27	-2.1	0.6		
				2024-01-28	2024	1	28	-2.4	0	26	32
				2024-01-29	2024	1	29	-5.1	0	3	45
				2024-01-30	2024	1	30	-8.5	0	2	37
				2024-01-31	2024	1	31	-9.4	0		
				2024-02-01	2024	2	1	-4.8	1.5		
				2024-02-02	2024	2	2	-0.7	0.6	3	32
				2024-02-03	2024	2	3	-1.6	0	3	50
				2024-02-04	2024	2	4	-1.2	0	5	65
				2024-02-05	2024	2	5	0.8	7.6	5	48
				2024-02-06	2024	2	6	-0.1	5.9	34	32
				2024-02-07	2024	2	7	-2.8	0		
				2024-02-08	2024	2	8	-4.3	0		
				2024-02-09	2024	2	9	-5.3	0	28	33
				2024-02-10	2024	2	10	-1	2.2		
				2024-02-11	2024	2	11	1.5	2	29	32
				2024-02-12	2024	2	12	0.3	0	30	35
				2024-02-13	2024	2	13	-3.6	0	3	45
				2024-02-14	2024	2	14	-4.2	0	31	68
				2024-02-15	2024	2	15	-3	0	33	68
				2024-02-16	2024	2	16	-5.5	0	30	58
				2024-02-17	2024	2	17	-5.6	0	30	46
				2024-02-18	2024	2	18	-7	0		
				2024-02-19	2024	2	19	-5.7	0.9		
				2024-02-20	2024	2	20	-8.8	0	28	55
				2024-02-21	2024	2	21	-7.8	0	33	32

Table 2: 2024 Daily Weather Data - Aulds Cove Wind Project

Project #24-10440

Longitude (x)	Latitude (y)	Station Name	Climate ID	Date/Time	Year	Month	Day	Mean Temp (°C)	Total Precip (mm)	Direction of Max Gust (10s deg)	Speed of Max Gust (km/h)
				2024-02-22	2024	2	22	-5	0	8	35
				2024-02-23	2024	2	23	0.4	7.7		
				2024-02-24	2024	2	24	0.5	55.1	30	63
				2024-02-25	2024	2	25	-11.8	0	27	52
				2024-02-26	2024	2	26	-7.3	1.7		
				2024-02-27	2024	2	27	2.4	0	20	35
				2024-02-28	2024	2	28	7.9	1.9	18	61
				2024-02-29	2024	2	29	-0.2	10.7	19	91
				2024-03-01	2024	3	1	-10.9	0	27	59
				2024-03-02	2024	3	2	-2.9	0.5	23	50
				2024-03-03	2024	3	3	6.5	9.1		
				2024-03-04	2024	3	4	-0.8	0.2	36	42
				2024-03-05	2024	3	5	-1.2	0		
				2024-03-06	2024	3	6	5.9	3.3	28	52
				2024-03-07	2024	3	7	1.4	35.4	7	45
				2024-03-08	2024	3	8	-1.3	0.8	4	52
				2024-03-09	2024	3	9	0.3	0.8	28	32
				2024-03-10	2024	3	10	-1.5	27	12	78
				2024-03-11	2024	3	11	2.6	28.2	10	63
				2024-03-12	2024	3	12	-0.2	4.2	30	42
				2024-03-13	2024	3	13	2.2	0.9	29	48
				2024-03-14	2024	3	14	-0.1	0		
				2024-03-15	2024	3	15	2.3	0.2		
				2024-03-16	2024	3	16	-0.2	0.7		
				2024-03-17	2024	3	17	0.3	12.3	12	42
				2024-03-18	2024	3	18	4.9	1.2	25	52
				2024-03-19	2024	3	19	1.2	0.4	27	35
				2024-03-20	2024	3	20	2.3	0.2	30	33
				2024-03-21	2024	3	21	1	5.2	14	55
				2024-03-22	2024	3	22	-0.9	0	28	61
				2024-03-23	2024	3	23	-1.6	0.2	28	52
				2024-03-24	2024	3	24	4.1	23.2	19	84
				2024-03-25	2024	3	25	-1.4	0	5	35
				2024-03-26	2024	3	26	1.6	3.2	8	50
				2024-03-27	2024	3	27	2.5	1	6	37
				2024-03-28	2024	3	28	8.9	1.2	19	35
				2024-03-29	2024	3	29	8.1	35.1	16	67
				2024-03-30	2024	3	30	3.3	0.2	15	65
				2024-03-31	2024	3	31	-0.1	0	27	35
				2024-04-01	2024	4	1	0.3	0	33	48
				2024-04-02	2024	4	2	0.5	0.2	32	41
				2024-04-03	2024	4	3	1.2	0.2		
				2024-04-04	2024	4	4	0.3	5	9	71
				2024-04-05	2024	4	5	1.7	17.2	10	63
				2024-04-06	2024	4	6	1.8	5.7	6	39
				2024-04-07	2024	4	7	1.9	0.2	4	50
				2024-04-08	2024	4	8	2.5	0	29	42
				2024-04-09	2024	4	9	0.8	0	34	42
				2024-04-10	2024	4	10	-1.1	0	29	42
				2024-04-11	2024	4	11	1.3	0	13	35
				2024-04-12	2024	4	12	6.2	12.4	17	61
				2024-04-13	2024	4	13	8.1	33.7	16	74

Table 2: 2024 Daily Weather Data - Aulds Cove Wind Project

Project #24-10440

Longitude (x)	Latitude (y)	Station Name	Climate ID	Date/Time	Year	Month	Day	Mean Temp (°C)	Total Precip (mm)	Direction of Max Gust (10s deg)	Speed of Max Gust (km/h)
				2024-04-14	2024	4	14	7.3	0	19	46
				2024-04-15	2024	4	15	6	0.8		
				2024-04-16	2024	4	16	6.5	0		
				2024-04-17	2024	4	17	4	0	29	33
				2024-04-18	2024	4	18	3.8	0	30	52
				2024-04-19	2024	4	19	3.3	0	28	39
				2024-04-20	2024	4	20	3.7	19.1	18	37
				2024-04-21	2024	4	21	7.8	0.2	29	33
				2024-04-22	2024	4	22	4	0	28	48
				2024-04-23	2024	4	23	1.9	0	13	37
				2024-04-24	2024	4	24	3.2	3.4	6	35
				2024-04-25	2024	4	25	0.9	0	29	58
				2024-04-26	2024	4	26	1.3	0	31	42
				2024-04-27	2024	4	27	0.9	0	28	46
				2024-04-28	2024	4	28	0.6	0	29	37
				2024-04-29	2024	4	29	4.4	0	32	52
				2024-04-30	2024	4	30	2.2	0.4	31	68
				2024-05-01	2024	5	1	4.8	0.2	30	45
				2024-05-02	2024	5	2	5	0	31	41
				2024-05-03	2024	5	3	4.8	0.7	30	35
				2024-05-04	2024	5	4	7.4	0	7	33
				2024-05-05	2024	5	5	7.5	0	13	32
				2024-05-06	2024	5	6	5.3	3.1		
				2024-05-07	2024	5	7	10.2	0.5	31	35
				2024-05-08	2024	5	8	6.2	0	31	45
				2024-05-09	2024	5	9	4.1	31.9	7	41
				2024-05-10	2024	5	10	5.7	2	2	33
				2024-05-11	2024	5	11	5	5.2	6	42
				2024-05-12	2024	5	12	4.6	6.2	30	45
				2024-05-13	2024	5	13	6	0	28	32
				2024-05-14	2024	5	14	6.3	0	28	32
				2024-05-15	2024	5	15	11.3	0	28	35
				2024-05-16	2024	5	16	12.7	0		
				2024-05-17	2024	5	17	11.7	0	15	32
				2024-05-18	2024	5	18	10.2	0	11	37
				2024-05-19	2024	5	19	6.2	0.6	9	39
				2024-05-20	2024	5	20	7.8	0	16	32
				2024-05-21	2024	5	21	14.5	0.2	15	37
				2024-05-22	2024	5	22			29	37
				2024-05-23	2024	5	23				
				2024-05-24	2024	5	24				
				2024-05-25	2024	5	25	9.4	0.2	31	48
				2024-05-26	2024	5	26	8.5	1	28	33
				2024-05-27	2024	5	27				
				2024-05-28	2024	5	28				
				2024-05-29	2024	5	29	17.7	0	21	42
				2024-05-30	2024	5	30	13	1.2		
				2024-05-31	2024	5	31	12.1	0	28	33
				2024-06-01	2024	6	1	10.5	0	33	42
				2024-06-02	2024	6	2	9	3.8	31	41
				2024-06-03	2024	6	3	12	1.3		
				2024-06-04	2024	6	4	12.7	1.5	30	41

Table 2: 2024 Daily Weather Data - Aulds Cove Wind Project

Project #24-10440

Longitude (x)	Latitude (y)	Station Name	Climate ID	Date/Time	Year	Month	Day	Mean Temp (°C)	Total Precip (mm)	Direction of Max Gust (10s deg)	Speed of Max Gust (km/h)
				2024-06-05	2024	6	5	9.2	0.4	29	50
				2024-06-06	2024	6	6	12.1	0	28	32
				2024-06-07	2024	6	7	12	0		
				2024-06-08	2024	6	8	10.8	1.2		
				2024-06-09	2024	6	9	15.6	3.5	12	33
				2024-06-10	2024	6	10	15.4	2	23	46
				2024-06-11	2024	6	11	15.2	0		
				2024-06-12	2024	6	12	12.5	0		
				2024-06-13	2024	6	13	18.4	0		
				2024-06-14	2024	6	14	18.6	0	22	42
				2024-06-15	2024	6	15	14.2	2	31	37
				2024-06-16	2024	6	16	10.5	0	31	54
				2024-06-17	2024	6	17	15.1	0	19	37
				2024-06-18	2024	6	18	18.9	0	24	42
				2024-06-19	2024	6	19	24.7	0	23	32
				2024-06-20	2024	6	20	23.8	0.2	26	33
				2024-06-21	2024	6	21	15.2	0	29	33
				2024-06-22	2024	6	22	16.1	0		
				2024-06-23	2024	6	23	15.6	3.2	14	37
				2024-06-24	2024	6	24	18.3	61	22	45
				2024-06-25	2024	6	25	16.3	21.9		
				2024-06-26	2024	6	26	19.8	0.2	22	37
				2024-06-27	2024	6	27	18.2	0.5	20	32
				2024-06-28	2024	6	28	13.2	0	27	55
				2024-06-29	2024	6	29	13.3	0	20	32
				2024-06-30	2024	6	30	16.2	24.5	18	45
				2024-07-01	2024	7	1	16.7	4.4		
				2024-07-02	2024	7	2	15.9	0	34	33
				2024-07-03	2024	7	3	15.6	0		
				2024-07-04	2024	7	4	14.1	0	15	32
				2024-07-05	2024	7	5	17.8	0.2	24	42
				2024-07-06	2024	7	6	17.1	29.6	23	45
				2024-07-07	2024	7	7	20.9	0.2	21	46
				2024-07-08	2024	7	8	21.8	6.8		
				2024-07-09	2024	7	9	22.3	9.6		
				2024-07-10	2024	7	10	23.7	1.3		
				2024-07-11	2024	7	11	22.5	26.1	22	35
				2024-07-12	2024	7	12	21.8	0.2	31	37
				2024-07-13	2024	7	13	24.6	0	26	35
				2024-07-14	2024	7	14	22.3	0		
				2024-07-15	2024	7	15	23.6	1.8	20	33
				2024-07-16	2024	7	16	23	0	22	48
				2024-07-17	2024	7	17	24	0.8	30	32
				2024-07-18	2024	7	18	24.3	0	22	41
				2024-07-19	2024	7	19	20.5	0	30	37
				2024-07-20	2024	7	20	21.2	0		
				2024-07-21	2024	7	21	20.4	3.5	26	32
				2024-07-22	2024	7	22	18.1	0	28	37
				2024-07-23	2024	7	23	19.6	1.2		
				2024-07-24	2024	7	24	19.4	0	28	33
				2024-07-25	2024	7	25	20.3	0		
				2024-07-26	2024	7	26	18.7	1.5	28	41

Table 2: 2024 Daily Weather Data - Aulds Cove Wind Project

Project #24-10440

Longitude (x)	Latitude (y)	Station Name	Climate ID	Date/Time	Year	Month	Day	Mean Temp (°C)	Total Precip (mm)	Direction of Max Gust (10s deg)	Speed of Max Gust (km/h)
				2024-07-27	2024	7	27	17.6	0		
				2024-07-28	2024	7	28	20.5	0		
				2024-07-29	2024	7	29	21	0	20	48
				2024-07-30	2024	7	30	21.3	0		
				2024-07-31	2024	7	31	23.8	0	26	35
				2024-08-01	2024	8	1	24.3	0	18	39
				2024-08-02	2024	8	2	22.3	0.2	31	33
				2024-08-03	2024	8	3	24.5	0	17	32
				2024-08-04	2024	8	4	25.8	0.2	28	32
				2024-08-05	2024	8	5	23.7	2.5		
				2024-08-06	2024	8	6	16.8	1.1	30	32
				2024-08-07	2024	8	7	19	0		
				2024-08-08	2024	8	8	16.4	0	27	39
				2024-08-09	2024	8	9	16.7	7.8		
				2024-08-10	2024	8	10	22.9	1.8	20	55
				2024-08-11	2024	8	11	21.6	0	30	42
				2024-08-12	2024	8	12	20.2	0	26	41
				2024-08-13	2024	8	13	18	0	29	32
				2024-08-14	2024	8	14	17.3	1	27	33
				2024-08-15	2024	8	15	19.4	14.6		
				2024-08-16	2024	8	16	17.7	0.2		
				2024-08-17	2024	8	17	18.8	0		
				2024-08-18	2024	8	18	17.4	0	14	33
				2024-08-19	2024	8	19	21.4	18.3		
				2024-08-20	2024	8	20	23.5	0.2	21	45
				2024-08-21	2024	8	21	21.2	0		
				2024-08-22	2024	8	22	19.4	0	24	35
				2024-08-23	2024	8	23	14.6	3.7		
				2024-08-24	2024	8	24	19.3	0	29	42
				2024-08-25	2024	8	25	21.2	0		
				2024-08-26	2024	8	26	17.8	0		
				2024-08-27	2024	8	27	17.7	0	19	33
				2024-08-28	2024	8	28	18.3	2.7	23	33
				2024-08-29	2024	8	29	12.3	0	31	61
				2024-08-30	2024	8	30	12.9	0	29	35
				2024-08-31	2024	8	31	16.4	0	19	37
				2024-09-01	2024	9	1	20.8	2	18	37
				2024-09-02	2024	9	2	14.7	12		
				2024-09-03	2024	9	3	13	0	31	52
				2024-09-04	2024	9	4	14.4	0	30	33
				2024-09-05	2024	9	5	16.5	0	24	33
				2024-09-06	2024	9	6	16.1	0	12	32
				2024-09-07	2024	9	7	18	32.8	11	87
				2024-09-08	2024	9	8	17.8	2	15	39
				2024-09-09	2024	9	9	14.5	0	28	45
				2024-09-10	2024	9	10	15.3	3.7	23	41
				2024-09-11	2024	9	11	13.2	0	28	35
				2024-09-12	2024	9	12	14	0		
				2024-09-13	2024	9	13	15	0		
				2024-09-14	2024	9	14	13.7	0	32	41
				2024-09-15	2024	9	15	12.2	0		
				2024-09-16	2024	9	16	18	0	27	39

Table 2: 2024 Daily Weather Data - Aulds Cove Wind Project

Project #24-10440

Longitude (x)	Latitude (y)	Station Name	Climate ID	Date/Time	Year	Month	Day	Mean Temp (°C)	Total Precip (mm)	Direction of Max Gust (10s deg)	Speed of Max Gust (km/h)
				2024-09-17	2024	9	17	22.3	0	31	32
				2024-09-18	2024	9	18	21.4	0		
				2024-09-19	2024	9	19	17.8	0	30	32
				2024-09-20	2024	9	20	14	0	8	42
				2024-09-21	2024	9	21	12.6	0		
				2024-09-22	2024	9	22	11.4	0	8	32
				2024-09-23	2024	9	23	11.4	0		
				2024-09-24	2024	9	24	12.7	0		
				2024-09-25	2024	9	25	13.5	0		
				2024-09-26	2024	9	26	11.9	0		
				2024-09-27	2024	9	27	13	32.7	10	39
				2024-09-28	2024	9	28	13.6	0.6	5	35
				2024-09-29	2024	9	29	11.8	0	27	33
				2024-09-30	2024	9	30	11.8	0	30	41
				2024-10-01	2024	10	1	11	0	36	33
				2024-10-02	2024	10	2	9.7	0		
				2024-10-03	2024	10	3	9.8	0		
				2024-10-04	2024	10	4	13.1	0		
				2024-10-05	2024	10	5	13.8	2.7		
				2024-10-06	2024	10	6	13.9	0.8		
				2024-10-07	2024	10	7	11.4	0	7	37
				2024-10-08	2024	10	8	11.9	23.1	13	48
				2024-10-09	2024	10	9	8	0.2	28	35
				2024-10-10	2024	10	10	7.4	4.7	30	45
				2024-10-11	2024	10	11	8	0.5	27	48
				2024-10-12	2024	10	12	11.3	5.1	29	78
				2024-10-13	2024	10	13	7.9	0	28	65
				2024-10-14	2024	10	14	11.9	12.8	11	42
				2024-10-15	2024	10	15	11.8	0	22	48
				2024-10-16	2024	10	16	8.4	5.8	26	65
				2024-10-17	2024	10	17	5	0	31	46
				2024-10-18	2024	10	18	5.8	0	32	46
				2024-10-19	2024	10	19	8.4	0	28	33
				2024-10-20	2024	10	20	12.4	0	25	41
				2024-10-21	2024	10	21	14.1	0	31	41
				2024-10-22	2024	10	22	7	0	30	33
				2024-10-23	2024	10	23	11	0	20	41
				2024-10-24	2024	10	24	15.9	13.7	3	41
				2024-10-25	2024	10	25	9.7	1.9	32	61
				2024-10-26	2024	10	26	9.7	0.4	28	54
				2024-10-27	2024	10	27	4.3	0	27	50
				2024-10-28	2024	10	28	2.1	4.3	31	48
				2024-10-29	2024	10	29	2.3	7.7	1	42
				2024-10-30	2024	10	30	1.2	0.6		
				2024-10-31	2024	10	31	13.3	0	17	33
				2024-11-01	2024	11	1	12.4	8.3	32	63
				2024-11-02	2024	11	2	4.3	0	33	42
				2024-11-03	2024	11	3	2.4	4	29	42
				2024-11-04	2024	11	4	3.2	0.9	32	33
				2024-11-05	2024	11	5	6.7	2.3	21	42
				2024-11-06	2024	11	6	15.2	0.4	28	63
				2024-11-07	2024	11	7	6.3	0	28	58

Table 2: 2024 Daily Weather Data - Aulds Cove Wind Project

Longitude (x)	Latitude (y)	Station Name	Climate ID	Date/Time	Year	Month	Day	Mean Temp (°C)	Total Precip (mm)	Direction of Max Gust (10s deg)	Speed of Max Gust (km/h)
				2024-11-08	2024	11	8	6.3	0.2	28	46
				2024-11-09	2024	11	9	2.6	2.9	34	61
				2024-11-10	2024	11	10	3.1	0.9	26	45
				2024-11-11	2024	11	11	7.2	3.6	18	35
				2024-11-12	2024	11	12	5.9	0.6	33	50
				2024-11-13	2024	11	13	1.4	0.2	35	59
				2024-11-14	2024	11	14	2.6	3.7	32	50
				2024-11-15	2024	11	15	6.5	16.7	28	39
				2024-11-16	2024	11	16	7.1	2		
				2024-11-17	2024	11	17	6.6	25.3	33	32
				2024-11-18	2024	11	18	5.7	12.5	32	52
				2024-11-19	2024	11	19	6.7	3.4	30	59
				2024-11-20	2024	11	20	8	0.7	4	41
				2024-11-21	2024	11	21	7.7	2.4	4	41
				2024-11-22	2024	11	22	6.4	8.8	8	50
				2024-11-23	2024	11	23	7.8	44.4	8	74
				2024-11-24	2024	11	24	5.4	3.2	27	58
				2024-11-25	2024	11	25	4	12.7	32	55
				2024-11-26	2024	11	26	5.3	0.8		
				2024-11-27	2024	11	27	4	0.2		
				2024-11-28	2024	11	28	1.8	4.8	15	37
				2024-11-29	2024	11	29	4.6	22.4	27	68
				2024-11-30	2024	11	30	1.2	0		
				2024-12-01	2024	12	1	0.6	0	25	33
				2024-12-02	2024	12	2	-0.8	0	23	32
				2024-12-03	2024	12	3	-2.9	0	28	37
				2024-12-04	2024	12	4	-5	1.3		
				2024-12-05	2024	12	5	-0.2	32.5	13	78
				2024-12-06	2024	12	6	-1.3	0	25	61
				2024-12-07	2024	12	7	-7.1	0	25	52
				2024-12-08	2024	12	8	-5.4	9.5	12	58
				2024-12-09	2024	12	9	-1.9	0	28	54
				2024-12-10	2024	12	10	-1.2	2.4	8	39
				2024-12-11	2024	12	11	7.8	4.5	19	45
				2024-12-12	2024	12	12	7.9	8.3	19	80
				2024-12-13	2024	12	13	-1.5	0	26	45
				2024-12-14	2024	12	14	-4.4	0	27	42
				2024-12-15	2024	12	15	-4.1	0	31	41
				2024-12-16	2024	12	16	-2.3	0		
				2024-12-17	2024	12	17	4.5	1.3	21	46
				2024-12-18	2024	12	18	3.6	0	28	39
				2024-12-19	2024	12	19	1.1	10	31	59
				2024-12-20	2024	12	20	-0.9	0.2	6	46
				2024-12-21	2024	12	21	-1.5	14.3	30	74
				2024-12-22	2024	12	22	-6.2	0	28	52
				2024-12-23	2024	12	23	-8.1	0	28	48
				2024-12-24	2024	12	24	-8.9	0		
				2024-12-25	2024	12	25	-2	0	7	41
				2024-12-26	2024	12	26	-1.4	1.4	34	37
				2024-12-27	2024	12	27	-1.5	0.6	32	50
				2024-12-28	2024	12	28	-3.7	0		
				2024-12-29	2024	12	29	-1.4	0.6		

Longitude (x)	Latitude (y)	Station Name	Climate ID	Date/Time	Year	Month	Day	Mean Temp (°C)	Total Precip (mm)	Direction of Max Gust (10s deg)	Speed of Max Gust (km/h)
				2024-12-30	2024	12	30	2.5	1.6	12	41
				45657	2024	12	31	3.7	17	12	45

Table 3: 2025 Daily Weather Data - Aulds Cove Wind Project

Project #24-10440

Longitude (x)	Latitude (y)	Station Name	Climate ID	Date/Time	Year	Month	Day	Mean Temp (°C)	Total Precip (mm)	Direction of Max Gust (10s deg)	Speed of Max Gust (km/h)
-61.37	45.66	PORT HAWKESBURY	8204495	2025-01-01	2025	1	1	1.6	22.7	8	39
				2025-01-02	2025	1	2	4	0.8	17	50
				2025-01-03	2025	1	3	-1.3	0	26	52
				2025-01-04	2025	1	4	-2.2	0	32	50
				2025-01-05	2025	1	5	-5.8	0.2	28	91
				2025-01-06	2025	1	6	-3.3	0	30	84
				2025-01-07	2025	1	7	-2.2	0	29	41
				2025-01-08	2025	1	8	-3.2	0	26	50
				2025-01-09	2025	1	9	-2.7	2.2	30	39
				2025-01-10	2025	1	10	0.4	10	34	65
				2025-01-11	2025	1	11	-2.4	0	33	46
				2025-01-12	2025	1	12	-2.4	0.2	35	37
				2025-01-13	2025	1	13	-3	0	33	33
				2025-01-14	2025	1	14	-6.1	0		
				2025-01-15	2025	1	15	-4.7	0.6	33	46
				2025-01-16	2025	1	16	-4.4	0	30	45
				2025-01-17	2025	1	17	-6.9	0	29	33
				2025-01-18	2025	1	18	-6	1.5	16	33
				2025-01-19	2025	1	19	4.7	14.1	19	39
				2025-01-20	2025	1	20	-2.2	8.9	30	71
				2025-01-21	2025	1	21	-11.9	0	28	58
				2025-01-22	2025	1	22	-11.1	0	31	50
				2025-01-23	2025	1	23	-8.8	0	28	35
				2025-01-24	2025	1	24	-5.9	0	28	55
				2025-01-25	2025	1	25	-11.7	0	28	37
				2025-01-26	2025	1	26	-7.5	0	25	37
				2025-01-27	2025	1	27	-4.3	0	21	58
				2025-01-28	2025	1	28	-3.9	0.6	30	71
				2025-01-29	2025	1	29	-7.2	0	26	48
				2025-01-30	2025	1	30	-9.2	0	29	76
				2025-01-31	2025	1	31	-8.4	0	28	67
				2025-02-01	2025	2	1	-8.2	0	32	52
				2025-02-02	2025	2	2	-12.9	0	30	58
				2025-02-03	2025	2	3	-6.5	0.2		
				2025-02-04	2025	2	4	-3.9	1.1	28	52
				2025-02-05	2025	2	5				
				2025-02-06	2025	2	6				
				2025-02-07	2025	2	7				
				2025-02-08	2025	2	8				
				2025-02-09	2025	2	9				
				2025-02-10	2025	2	10				
				2025-02-11	2025	2	11				
				2025-02-12	2025	2	12				
				2025-02-13	2025	2	13	-9	0.4	11	76
				2025-02-14	2025	2	14	-5.2	2.2	29	85
				2025-02-15	2025	2	15	-10.6	0	29	96
				2025-02-16	2025	2	16	-6.8	0	9	61
				2025-02-17	2025	2	17	-3.7	9.7	22	74
				2025-02-18	2025	2	18	-9.8	0	26	65
				2025-02-19	2025	2	19	-6.4	0	28	46
				2025-02-20	2025	2	20	-5.5	0		

Table 3: 2025 Daily Weather Data - Aulds Cove Wind Project

Project #24-10440

Longitude (x)	Latitude (y)	Station Name	Climate ID	Date/Time	Year	Month	Day	Mean Temp (°C)	Total Precip (mm)	Direction of Max Gust (10s deg)	Speed of Max Gust (km/h)
				2025-02-21	2025	2	21	-4.8	0	30	54
				2025-02-22	2025	2	22	-9.9	0	30	46
				2025-02-23	2025	2	23	-7.2	0.2	22	32
				2025-02-24	2025	2	24	-3.7	0.8		
				2025-02-25	2025	2	25	2.9	6.7	22	37
				2025-02-26	2025	2	26	0.9	8.6	28	52
				2025-02-27	2025	2	27	0.2	9.8	20	55
				2025-02-28	2025	2	28	-0.2	11.5	30	55
				2025-03-01	2025	3	1	-2.1	8.7	14	41
				2025-03-02	2025	3	2	-1.3	0.2	21	55
				2025-03-03	2025	3	3	-10.7	0	30	46
				2025-03-04	2025	3	4	-6.7	0	27	35
				2025-03-05	2025	3	5	1.1	2.7		
				2025-03-06	2025	3	6	4.7	7.3	15	61
				2025-03-07	2025	3	7	2.7	19.7	14	67
				2025-03-08	2025	3	8	-2.9	0	25	80
				2025-03-09	2025	3	9	-6.7	0	27	52
				2025-03-10	2025	3	10	-5.5	0	28	48
				2025-03-11	2025	3	11	-4.3	0	19	33
				2025-03-12	2025	3	12	-1.2	1.5	32	48
				2025-03-13	2025	3	13	-7.3	0	33	37
				2025-03-14	2025	3	14	-3.4	0		
				2025-03-15	2025	3	15	0.7	0	13	32
				2025-03-16	2025	3	16	9.2	0	25	35
				2025-03-17	2025	3	17	12.3	0	24	63
				2025-03-18	2025	3	18	6.3	7.6	22	39
				2025-03-19	2025	3	19	0.1	0	29	32
				2025-03-20	2025	3	20	2.2	2.2	10	32
				2025-03-21	2025	3	21	5.4	10.3		
				2025-03-22	2025	3	22	3.3	1	29	54
				2025-03-23	2025	3	23	3.9	0.7	34	67
				2025-03-24	2025	3	24	-1.6	0.4	14	50
				2025-03-25	2025	3	25	3.2	8.5	12	46
				2025-03-26	2025	3	26	4.3	0		
				2025-03-27	2025	3	27	-0.1	8.5		
				2025-03-28	2025	3	28	0.6	8.2	30	45
				2025-03-29	2025	3	29	-4	0	27	50
				2025-03-30	2025	3	30	-0.8	0	29	33
				2025-03-31	2025	3	31	4.5	12.5	23	59
				2025-04-01	2025	4	1	5.8	18.8	21	63
				2025-04-02	2025	4	2	-3.3	0	33	65
				2025-04-03	2025	4	3	-3.5	4.8	13	46
				2025-04-04	2025	4	4	1.1	6	29	42
				2025-04-05	2025	4	5	0.4	0.5	32	37
				2025-04-06	2025	4	6	0.5	17.5	13	50
				2025-04-07	2025	4	7	1.2	0	30	48
				2025-04-08	2025	4	8	-1.7	0	7	45
				2025-04-09	2025	4	9	-0.8	5.5	28	35
				2025-04-10	2025	4	10	2.1	0	27	58
				2025-04-11	2025	4	11	1.9	0	13	32
				2025-04-12	2025	4	12	2.5	0		

Table 3: 2025 Daily Weather Data - Aulds Cove Wind Project

Project #24-10440

Longitude (x)	Latitude (y)	Station Name	Climate ID	Date/Time	Year	Month	Day	Mean Temp (°C)	Total Precip (mm)	Direction of Max Gust (10s deg)	Speed of Max Gust (km/h)
				2025-04-13	2025	4	13	2.2	8.6	6	48
				2025-04-14	2025	4	14	1.2	2.6	30	71
				2025-04-15	2025	4	15	5.2	1.8	31	52
				2025-04-16	2025	4	16	8.2	3.2	23	67
				2025-04-17	2025	4	17	6	0	25	39
				2025-04-18	2025	4	18	4.8	0	28	45
				2025-04-19	2025	4	19	9.4	4.8		
				2025-04-20	2025	4	20	6.7	13.4	32	78
				2025-04-21	2025	4	21	3	0	33	72
				2025-04-22	2025	4	22	4.5	3.4	11	32
				2025-04-23	2025	4	23	5.8	0.8	28	39
				2025-04-24	2025	4	24	1.5	0	31	39
				2025-04-25	2025	4	25	3.8	0		
				2025-04-26	2025	4	26	5.5	25	12	48
				2025-04-27	2025	4	27	6.4	16.6	18	54
				2025-04-28	2025	4	28	3.4	15.1		
				2025-04-29	2025	4	29	4.9	0	18	35
				2025-04-30	2025	4	30	11	1	31	80
				2025-05-01	2025	5	1	2.3	0	32	93
				2025-05-02	2025	5	2	6.9	15.2	13	35
				2025-05-03	2025	5	3	12.4	3.2		
				2025-05-04	2025	5	4	9.6	8.4	33	33
				2025-05-05	2025	5	5	4.9	0	28	39
				2025-05-06	2025	5	6	8.1	0	17	39
				2025-05-07	2025	5	7	10.1	2.1	19	45
				2025-05-08	2025	5	8	12.3	1.7	22	46
				2025-05-09	2025	5	9	5.5	0	26	37
				2025-05-10	2025	5	10	6.8	5.3	8	37
				2025-05-11	2025	5	11	5.2	1.2	31	72
				2025-05-12	2025	5	12	5.1	0.2	32	71
				2025-05-13	2025	5	13	3.3	0	31	65
				2025-05-14	2025	5	14	9.7	0	27	42
				2025-05-15	2025	5	15	19.3	0	31	50
				2025-05-16	2025	5	16	10.8	0	6	33
				2025-05-17	2025	5	17	7.7	0	11	41
				2025-05-18	2025	5	18	5.8	11.9	9	48
				2025-05-19	2025	5	19	10.1	0	6	42
				2025-05-20	2025	5	20	7.9	0	8	35
				2025-05-21	2025	5	21	7.8	0	30	41
				2025-05-22	2025	5	22	7.4	0	14	45
				2025-05-23	2025	5	23	4	24.1	10	65
				2025-05-24	2025	5	24	9.5	0.6		
				2025-05-25	2025	5	25	9.3	0.2		
				2025-05-26	2025	5	26	6.2	0.2	31	37
				2025-05-27	2025	5	27	10.7	0	29	54
				2025-05-28	2025	5	28	19	0	30	41
				2025-05-29	2025	5	29	21.2	0	26	41
				2025-05-30	2025	5	30	13.9	0	24	33
				2025-05-31	2025	5	31	12.2	8.5	13	39
				2025-06-01	2025	6	1	12.6	0	19	81
				2025-06-02	2025	6	2	12.7	0	22	54

Table 3: 2025 Daily Weather Data - Aulds Cove Wind Project

Longitude (x)	Latitude (y)	Station Name	Climate ID	Date/Time	Year	Month	Day	Mean Temp (°C)	Total Precip (mm)	Direction of Max Gust (10s deg)	Speed of Max Gust (km/h)
				2025-06-03	2025	6	3	12	0	28	32
				2025-06-04	2025	6	4	14.9	0	17	35
				2025-06-05	2025	6	5	15.2	0	18	39
				2025-06-06	2025	6	6	15.5	0.7	29	32
				2025-06-07	2025	6	7	15.8	15.6		
				2025-06-08	2025	6	8	11.9	27.8	30	61
				2025-06-09	2025	6	9	11.7	0		
				2025-06-10	2025	6	10	9.1	2	13	39
				2025-06-11	2025	6	11	16.9	4.3	27	37
				2025-06-12	2025	6	12				
				2025-06-13	2025	6	13	7.9	0	30	45
				2025-06-14	2025	6	14	10.1	0		
				2025-06-15	2025	6	15	13.3	0.2	21	35
				2025-06-16	2025	6	16	14.6	0	18	33
				2025-06-17	2025	6	17	14.7	0	15	42
				2025-06-18	2025	6	18	13.4	1.2	17	33
				2025-06-19	2025	6	19	20.5	0.4		
				2025-06-20	2025	6	20	20	0	21	71
				2025-06-21	2025	6	21	12.6	0	28	63
				2025-06-22	2025	6	22	14.9	3.2	18	46
				2025-06-23	2025	6	23	15.1	0	29	33
				2025-06-24	2025	6	24	20.5	1.3		
				2025-06-25	2025	6	25	17.5	0	33	46
				2025-06-26	2025	6	26	11.5	0	32	52
				2025-06-27	2025	6	27	10.6	0	31	52
				2025-06-28	2025	6	28	13.7	0.8		
				2025-06-29	2025	6	29	14.7	5.9	14	41
				2025-06-30	2025	6	30	15.3	12	34	39
				2025-07-01	2025	7	1	19.7	0	17	39
				2025-07-02	2025	7	2	23.6	1		
				2025-07-03	2025	7	3	20.3	0	19	35
				2025-07-04	2025	7	4	19.2	0	13	33
				2025-07-05	2025	7	5	16.2	0	30	46
				2025-07-06	2025	7	6	18.6	0	23	42
				2025-07-07	2025	7	7	18.9	0	25	33
				2025-07-08	2025	7	8	17	23		
				2025-07-09	2025	7	9	17	0	30	32
				2025-07-10	2025	7	10	18	0		
				2025-07-11	2025	7	11	16.2	3.5	11	48
				2025-07-12	2025	7	12	17.2	0		
				2025-07-13	2025	7	13	18.7	0		
				2025-07-14	2025	7	14	19.5	0	16	39
				2025-07-15	2025	7	15	23.2	0		
				2025-07-16	2025	7	16	25.6	0		
				2025-07-17	2025	7	17	21.6	0	19	41
				2025-07-18	2025	7	18	17	4.3	28	55
				2025-07-19	2025	7	19	18.5	0		

Table 3: 2025 Daily Weather Data - Aulds Cove Wind Project

Longitude (x)	Latitude (y)	Station Name	Climate ID	Date/Time	Year	Month	Day	Mean Temp (°C)	Total Precip (mm)	Direction of Max Gust (10s deg)	Speed of Max Gust (km/h)
				2025-07-20	2025	7	20	19.2	0.5	17	33
				2025-07-21	2025	7	21	16.2	30.2	28	65
				2025-07-22	2025	7	22	14.5	1.2	32	63
				2025-07-23	2025	7	23	16.7	0	29	33
				2025-07-24	2025	7	24	20.6	0	24	50
				2025-07-25	2025	7	25	24.3	4.2	26	42
				2025-07-26	2025	7	26	15.2	0	30	55
				2025-07-27	2025	7	27	19	0	19	45
				2025-07-28	2025	7	28	21.5	0	24	32
				2025-07-29	2025	7	29	21.2	0	17	32
				2025-07-30	2025	7	30	20.5	0	30	35
				2025-07-31	2025	7	31	17.6	0	31	33
				2025-08-01	2025	8	1	14.1	2.7		
				2025-08-02	2025	8	2	14	0	29	39
				2025-08-03	2025	8	3	19.3	0	19	42
				2025-08-04	2025	8	4	20.5	0	22	33
				2025-08-05	2025	8	5	16.8	0	27	41
				2025-08-06	2025	8	6	15.6	0	28	42
				2025-08-07	2025	8	7	15.4	0	26	35
				2025-08-08	2025	8	8	19.2	0		
				2025-08-09	2025	8	9	20	0	11	33
				2025-08-10	2025	8	10	20.7	0	16	37
				2025-08-11	2025	8	11	23	0	17	33
				2025-08-12	2025	8	12	23.3	0.2	13	33
				2025-08-13	2025	8	13	22.6	0.2	15	45
				2025-08-14	2025	8	14			23	41
				2025-08-15	2025	8	15			30	46
				2025-08-16	2025	8	16	15.8	0	11	33
				2025-08-17	2025	8	17	20.6	0.5	18	41
				2025-08-18	2025	8	18	16.7	10.1	34	63
				2025-08-19	2025	8	19	13.3	0	31	59
				2025-08-20	2025	8	20	12.8	0	28	39
				2025-08-21	2025	8	21			26	33
				2025-08-22	2025	8	22	14.4	0	7	45
				2025-08-23	2025	8	23	16.9	0	26	46
				2025-08-24	2025	8	24	19.5	0	18	52
				2025-08-25	2025	8	25	20.4	33	17	39
				2025-08-26	2025	8	26	21.3	0.6	26	42
				2025-08-27	2025	8	27	16.8	0		
				2025-08-28	2025	8	28	16.8	0	31	33
				2025-08-29	2025	8	29	16	5.2	18	35
				2025-08-30	2025	8	30	17.5	4.7		
				2025-08-31	2025	8	31	15.2	0	31	41

Table 4: 2024 Fall Radar Monitoring Period - Aulds Cove Wind Project

Project # 24-10440

Date	0-25	25-50	50-100	100-150	150-200	200-250	250-500	500-1000	1000-1500	1500-2000	2000-3000	Daily Total
2024-08-21	0	73	3	0	0	0	0	0	0	0	0	76
2024-08-22	0	154	21	0	0	0	0	0	0	0	0	175
2024-08-23	0	94	0	0	0	0	0	0	0	0	0	94
2024-08-24	0	173	3	0	0	0	0	0	0	0	0	176
2024-08-25	0	117	0	0	0	0	0	0	0	0	0	117
2024-08-26	0	123	0	0	0	0	0	0	0	0	0	123
2024-08-27	0	0	0	0	0	0	0	0	0	0	0	0
2024-08-28	0	0	0	0	0	0	13	27	33	9	0	82
2024-08-29	0	0	0	0	0	0	0	0	0	0	0	0
2024-08-30	0	0	0	0	0	0	0	0	0	0	0	0
2024-08-31	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-01	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-02	0	0	0	0	0	0	1	6	4	6	0	17
2024-09-03	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-04	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-05	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-06	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-07	0	0	0	0	0	0	27	33	18	1	0	79
2024-09-08	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-09	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-10	0	0	0	0	0	0	0	8	10	11	0	29
2024-09-11	0	0	1	4	2	0	28	67	50	12	0	164
2024-09-12	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-13	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-14	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-15	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-16	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-17	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-18	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-19	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-20	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-21	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-22	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-23	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-24	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-25	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-26	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-27	0	0	0	0	0	1	3	24	10	0	0	38
2024-09-28	0	0	0	0	0	0	1	4	0	0	0	5
2024-09-29	0	0	0	0	0	0	0	0	0	0	0	0
2024-09-30	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-01	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-02	0	0	0	0	0	0	0	0	0	0	0	0

Table 4: 2024 Fall Radar Monitoring Period - Aulds Cove Wind Project

Project # 24-10440

Date	0-25	25-50	50-100	100-150	150-200	200-250	250-500	500-1000	1000-1500	1500-2000	2000-3000	Daily Total
2024-10-03	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-04	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-05	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-06	0	0	0	0	0	0	1	1	3	3	0	8
2024-10-07	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-08	0	0	3	10	2	5	108	213	121	40	0	502
2024-10-09	0	0	0	0	0	90	266	140	47	0	0	543
2024-10-10	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-11	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-12	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-13	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-14	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-15	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-16	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-17	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-18	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-19	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-20	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-21	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-22	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-23	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-24	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-25	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-26	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-27	0	0	0	0	0	0	0	0	0	0	0	0
2024-10-28	0	0	0	0	0	0	0	1	0	1	0	2
2024-10-29	0	0	0	1	2	2	41	51	5	1	0	103
2024-10-30	0	0	1	0	0	0	0	0	0	0	0	1
2024-10-31	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-01	0	0	0	0	0	0	20	55	24	6	0	105
2024-11-02	0	0	0	1	0	0	36	62	15	6	0	120
2024-11-03	0	0	0	0	0	0	0	0	3	0	0	3
2024-11-04	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-05	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-06	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-07	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-08	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-09	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-10	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-11	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-12	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-13	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-14	0	0	0	0	0	0	0	0	0	0	0	0

Table 4: 2024 Fall Radar Monitoring Period - Aulds Cove Wind Project

Project # 24-10440

Date	0-25	25-50	50-100	100-150	150-200	200-250	250-500	500-1000	1000-1500	1500-2000	2000-3000	Daily Total
2024-11-15	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-16	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-17	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-18	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-19	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-20	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-21	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-22	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-23	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-24	0	0	0	0	0	0	0	0	0	0	0	0
2024-11-25	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	734	32	16	6	98	545	692	343	96	0	2562

Table 5: 2025 Spring Radar Monitoring Period - Aulds Cove Wind Project

Project # 24-10440

Date	0-25	25-50	50-100	100-150	150-200	200-250	250-500	500-1000	1000-1500	1500-2000	2000-3000	Daily Total
2025-03-25	0	12	6	14	31	36	59	0	0	0	0	158
2025-03-26	0	30	15	33	70	78	109	0	0	0	0	335
2025-03-27	0	5	15	20	40	36	68	0	0	0	0	184
2025-03-28	0	48	27	38	45	55	96	0	0	0	0	309
2025-03-29	0	35	20	31	36	47	70	0	0	0	0	239
2025-03-30	0	18	2	15	11	16	33	0	0	0	0	95
2025-03-31	0	0	0	0	0	0	0	0	0	0	0	0
2025-04-01	0	0	0	0	0	0	0	0	0	0	0	0
2025-04-02	0	8	7	17	34	30	47	0	0	0	0	143
2025-04-03	0	10	0	14	20	20	21	0	0	0	0	85
2025-04-04	0	28	7	10	18	11	17	0	0	0	0	91
2025-04-05	0	49	38	50	85	71	114	0	0	0	0	407
2025-04-06	0	22	18	30	77	58	88	0	0	0	0	293
2025-04-07	0	69	31	61	92	103	120	0	0	0	0	476
2025-04-08	0	7	15	49	76	68	111	0	0	0	0	326
2025-04-09	0	6	12	37	78	61	107	0	0	0	0	301
2025-04-10	0	27	25	46	74	85	116	0	0	0	0	373
2025-04-11	0	23	22	34	82	94	123	0	0	0	0	378
2025-04-12	0	12	19	36	85	82	117	0	0	0	0	351
2025-04-13	0	41	23	41	103	80	121	0	0	0	0	409
2025-04-14	0	59	75	55	86	99	110	0	0	0	0	484
2025-04-15	0	46	18	52	94	96	160	0	0	0	0	466
2025-04-16	0	37	39	73	111	109	146	0	0	0	0	515
2025-04-17	0	15	15	46	65	58	87	0	0	0	0	286
2025-04-18	0	9	27	39	89	80	104	0	0	0	0	348
2025-04-19	1	28	23	39	51	74	138	0	0	0	0	354
2025-04-20	0	9	9	39	56	71	83	0	0	0	0	267
2025-04-21	0	5	9	30	69	66	99	0	0	0	0	278
2025-04-22	0	17	16	34	59	65	123	0	0	0	0	314
2025-04-23	0	15	11	35	52	71	98	0	0	0	0	282
2025-04-24	0	2	9	32	63	68	144	0	0	0	0	318
2025-04-25	0	0	17	47	84	78	135	0	0	0	0	361
2025-04-26	0	1	14	45	82	91	143	0	0	0	0	376

Table 5: 2025 Spring Radar Monitoring Period - Aulds Cove Wind Project

Project # 24-10440

Date	0-25	25-50	50-100	100-150	150-200	200-250	250-500	500-1000	1000-1500	1500-2000	2000-3000	Daily Total
2025-04-27	0	3	20	18	52	54	78	0	0	0	0	225
2025-04-28	0	1	11	49	66	89	135	0	0	0	0	351
2025-04-29	0	1	11	52	97	107	139	0	0	0	0	407
2025-04-30	0	1	14	56	65	85	125	0	0	0	0	346
2025-05-01	0	1	9	35	80	78	104	0	0	0	0	307
2025-05-02	0	15	27	61	91	77	137	0	0	0	0	408
2025-05-03	0	1	10	25	60	68	97	0	0	0	0	261
2025-05-04	0	1	23	52	86	82	122	0	0	0	0	366
2025-05-05	0	0	14	51	108	112	207	0	0	0	0	492
2025-05-06	0	0	11	32	73	76	147	0	0	0	0	339
2025-05-07	0	0	6	44	63	82	114	0	0	0	0	309
2025-05-08	0	1	33	42	70	81	119	0	0	0	0	346
2025-05-09	0	0	10	40	59	61	94	0	0	0	0	264
2025-05-10	0	2	24	48	77	93	124	0	0	0	0	368
2025-05-11	0	0	13	23	71	70	118	0	0	0	0	295
2025-05-12	0	0	9	31	71	69	87	0	0	0	0	267
2025-05-13	0	1	11	62	113	108	119	0	0	0	0	414
2025-05-14	0	1	10	21	61	47	58	0	0	0	0	198
2025-05-15	0	4	12	42	72	74	87	0	0	0	0	291
2025-05-16	0	1	17	52	99	89	97	0	0	0	0	355
2025-05-17	0	0	5	72	105	120	105	0	0	0	0	407
2025-05-18	0	0	7	28	48	55	52	0	0	0	0	190
2025-05-19	0	0	0	0	0	0	0	0	0	0	0	0
2025-05-20	0	0	0	0	0	0	0	0	0	0	0	0
2025-05-21	0	0	5	17	19	15	29	0	0	0	0	85
2025-05-22	0	0	7	43	91	81	102	0	0	0	0	324
2025-05-23	0	0	12	53	99	87	106	0	0	0	0	357
2025-05-24	0	1	10	56	124	115	160	0	0	0	0	466
2025-05-25	0	0	1	54	104	101	126	0	0	0	0	386
2025-05-26	0	1	14	51	108	105	111	0	0	0	0	390
2025-05-27	0	0	9	33	104	77	110	0	0	0	0	333
2025-05-28	0	2	11	53	77	61	90	0	0	0	0	294
2025-05-29	0	2	12	39	73	71	81	0	0	0	0	278

Table 5: 2025 Spring Radar Monitoring Period - Aulds Cove Wind Project

Project # 24-10440

Date	0-25	25-50	50-100	100-150	150-200	200-250	250-500	500-1000	1000-1500	1500-2000	2000-3000	Daily Total
2025-05-30	0	2	15	42	59	62	82	0	0	0	0	262
2025-05-31	0	6	27	32	65	58	58	0	0	0	0	246
2025-06-01	0	2	7	30	54	58	72	0	0	0	0	223
2025-06-02	0	0	11	42	65	58	89	0	0	0	0	265
2025-06-03	0	1	17	32	93	61	90	0	0	0	0	294
2025-06-04	0	0	3	14	20	27	26	0	0	0	0	90
2025-06-05	0	0	5	25	48	55	59	0	0	0	0	192
2025-06-06	0	6	13	60	73	96	98	0	0	0	0	346
Total	1	750	1070	2754	4981	5022	7061	0	0	0	0	21639

Table 6: 2025 Fall Radar Monitoring Period - Aulds Cove Wind Project

Project # 24-10440

Date	0-25	25-50	50-100	100-150	150-200	200-250	250-500	500-1000	1000-1500	1500-2000	2000-3000	Daily Total
2025-06-07	0	4	20	49	95	90	117	0	0	0	0	375
2025-06-08	0	1	15	29	74	81	88	0	0	0	0	288
2025-06-09	0	0	13	55	106	89	101	0	0	0	0	364
2025-06-10	0	3	9	64	107	59	120	0	0	0	0	362
2025-06-11	0	0	9	31	75	60	77	0	0	0	0	252
2025-06-12	0	0	7	25	38	58	63	0	0	0	0	191
2025-06-13	1	1	8	36	69	73	94	0	0	0	0	282
2025-06-14	0	0	0	3	7	3	7	0	0	0	0	20
2025-06-15	0	0	0	0	0	0	0	0	0	0	0	0
2025-06-16	0	0	0	0	0	0	0	0	0	0	0	0
2025-06-17	0	0	0	0	0	0	0	0	0	0	0	0
2025-06-18	0	0	0	0	0	0	0	0	0	0	0	0
2025-06-19	0	0	0	0	0	0	0	0	0	0	0	0
2025-06-20	0	0	0	0	0	0	0	0	0	0	0	0
2025-06-21	0	0	0	0	0	0	0	0	0	0	0	0
2025-06-22	0	0	0	0	0	0	0	0	0	0	0	0
2025-06-23	0	0	0	0	0	0	0	0	0	0	0	0
2025-06-24	0	0	0	0	0	0	0	0	0	0	0	0
2025-06-25	0	0	0	0	0	0	0	0	0	0	0	0
2025-06-26	0	0	0	0	0	0	0	0	0	0	0	0
2025-06-27	0	0	5	14	44	33	31	0	0	0	0	127
2025-06-28	0	2	12	23	45	38	66	0	0	0	0	186
2025-06-29	0	2	10	32	70	65	72	0	0	0	0	251
2025-06-30	0	0	11	46	86	97	101	0	0	0	0	341
2025-07-01	0	2	13	48	76	82	94	0	0	0	0	315
2025-07-02	0	2	8	42	74	64	92	0	0	0	0	282
2025-07-03	0	3	4	29	45	50	66	0	0	0	0	197
2025-07-04	0	3	12	47	92	77	102	0	0	0	0	333
2025-07-05	0	6	20	56	93	86	110	0	0	0	0	371
2025-07-06	0	2	20	55	101	88	114	0	0	0	0	380
2025-07-07	0	1	10	46	90	80	79	0	0	0	0	306
2025-07-08	0	1	7	45	86	69	96	0	0	0	0	304
2025-07-09	0	1	9	44	74	67	62	0	0	0	0	257
2025-07-10	0	2	8	34	48	56	67	0	0	0	0	215
2025-07-11	0	1	7	26	44	41	53	0	0	0	0	172
2025-07-12	0	3	6	22	41	37	46	0	0	0	0	155
2025-07-13	0	13	22	33	57	48	68	0	0	0	0	241
2025-07-14	0	1	6	31	58	43	62	0	0	0	0	201
2025-07-15	0	0	5	16	31	39	32	0	0	0	0	123
2025-07-16	0	4	5	22	48	46	48	0	0	0	0	173
2025-07-17	0	2	10	38	64	77	85	0	0	0	0	276
2025-07-18	0	0	11	35	84	92	100	0	0	0	0	322
2025-07-19	0	1	35	26	44	57	58	0	0	0	0	221

Table 6: 2025 Fall Radar Monitoring Period - Aulds Cove Wind Project

Project # 24-10440

Date	0-25	25-50	50-100	100-150	150-200	200-250	250-500	500-1000	1000-1500	1500-2000	2000-3000	Daily Total
2025-07-20	0	1	14	38	97	100	124	0	0	0	0	374
2025-07-21	0	16	16	24	42	56	53	0	0	0	0	207
2025-07-22	0	2	11	32	55	43	45	0	0	0	0	188
2025-07-23	0	10	18	20	59	58	65	0	0	0	0	230
2025-07-24	0	0	7	27	55	56	74	0	0	0	0	219
2025-07-25	0	1	2	9	18	13	35	0	0	0	0	78
2025-07-26	0	0	3	21	43	52	50	0	0	0	0	169
2025-07-27	0	0	0	1	1	0	0	0	0	0	0	2
2025-07-28	0	0	0	0	0	0	0	0	0	0	0	0
2025-07-29	0	0	0	0	0	0	0	0	0	0	0	0
2025-07-30	0	1	11	9	22	19	17	0	0	0	0	79
2025-07-31	0	1	8	45	83	86	80	0	0	0	0	303
2025-08-01	0	0	7	18	18	28	34	0	0	0	0	105
2025-08-02	0	0	6	24	38	40	60	0	0	0	0	168
2025-08-03	0	0	4	27	45	42	57	0	0	0	0	175
2025-08-04	0	0	18	40	76	97	100	0	0	0	0	331
2025-08-05	0	0	13	50	133	128	143	0	0	0	0	467
2025-08-06	0	0	2	14	25	18	29	0	0	0	0	88
2025-08-07	0	0	14	21	50	44	57	0	0	0	0	186
2025-08-08	0	0	7	21	45	32	34	0	0	0	0	139
2025-08-09	0	1	2	17	54	43	39	0	0	0	0	156
Total	1	94	500	1560	3025	2900	3467	0	0	0	0	11547

Table 7: 2024 Fall Acoustic Monitoring Period - Nighthawk Results - Aulds Cove Wind Project

Project # 24-10440

Begin Time (s)	End Time (s)	Low Freq (Hz)	High Freq (Hz)	Order	Prob Order	Family	Prob Family	Group	Prob Group	Species	Prob Species	Predicted Category	Prob	Date	Time	Annotation
413.2	415	0	11025	Passeriformes	0.9720833	Parulidae	0.9563127			amered	0.90224177	amered	0.902241766	2024-08-22	29:53.2	Y
253.4	255	0	11025	Passeriformes	0.9721439	Parulidae	0.95642			amered	0.90274256	amered	0.902742565	2024-08-22	25:13.4	Y
311	312.8	0	11025	Passeriformes	0.97216403	Parulidae	0.95638883			amered	0.9013208	amered	0.901320815	2024-08-22	46:11.0	Y
183.4	185	0	11025	Passeriformes	0.9634644	Parulidae	0.8950751			amered	0.8744493	amered	0.8744449313	2024-08-23	04:03.4	Y
518.2	520	0	11025	Passeriformes	0.9721664	Parulidae	0.9562247			amered	0.9026937	amered	0.902693689	2024-08-23	07:38.2	Y
394.2	396	0	11025	Passeriformes	0.9722138	Parulidae	0.9564693			amered	0.9032454	amered	0.903245389	2024-08-25	04:34.2	Y
370.2	371.4	0	11025	Passeriformes	0.97119474	Turdidae	0.95590127			amerob	0.9991947	amerob	0.999194682	2024-10-19	40:10.2	Y
377.8	379	0	11025	Passeriformes	0.9721901	Turdidae	0.9595451			amerob	0.9999994	amerob	0.999999404	2024-10-19	40:17.8	Y
382.8	384.6	0	11025	Passeriformes	0.9720542	Turdidae	0.95788443			amerob	0.9997993	amerob	0.999799311	2024-10-19	40:22.8	Y
528.4	529.8	0	11025	Passeriformes	0.97200227	Turdidae	0.95962805			amerob	0.99999964	amerob	0.999999642	2024-10-19	42:48.4	Y
533	534.2	0	11025	Passeriformes	0.9719681	Turdidae	0.9545287			amerob	0.9999057	amerob	0.999905705	2024-10-19	42:53.0	Y
559.6	561.4	0	11025	Passeriformes	0.97223747	Turdidae	0.95982003			amerob	0.9999999	amerob	0.999999881	2024-10-19	43:19.6	Y
368.4	369.6	0	11025	Passeriformes	0.97181344	Turdidae	0.94039327			amerob	0.9926622	amerob	0.992662191	2024-10-20	39:08.4	Y
382.8	384.4	0	11025	Passeriformes	0.9721762	Turdidae	0.95965093			amerob	0.9999999	amerob	0.999999881	2024-10-20	39:22.8	Y
388.8	390.4	0	11025	Passeriformes	0.97194314	Turdidae	0.9592328			amerob	0.9999939	amerob	0.99999392	2024-10-20	39:28.8	Y
395.6	397.2	0	11025	Passeriformes	0.97184616	Turdidae	0.95928425			amerob	0.9999999	amerob	0.999999881	2024-10-20	39:35.6	Y
539.6	541.2	0	11025	Passeriformes	0.9716294	Turdidae	0.9592597			amerob	0.99999845	amerob	0.99999845	2024-10-20	41:59.6	Y
105.4	107	0	11025	Passeriformes	0.97130483	Turdidae	0.95239687			amerob	0.99999654	amerob	0.999996543	2024-10-20	14:45.4	Y
115	116.6	0	11025	Passeriformes	0.9721667	Turdidae	0.9591926			amerob	0.9999995	amerob	0.999999523	2024-10-20	14:55.0	Y
124.8	126.6	0	11025	Passeriformes	0.9721094	Turdidae	0.95938355			amerob	0.99999905	amerob	0.999999046	2024-10-20	15:04.8	Y
153.8	155.2	0	11025	Passeriformes	0.9721061	Turdidae	0.95929533			amerob	0.99999976	amerob	0.999999762	2024-10-20	15:33.8	Y
180.2	181.6	0	11025	Passeriformes	0.97217584	Turdidae	0.9588317			amerob	0.99999964	amerob	0.999999642	2024-10-20	16:00.2	Y
278.6	280.4	0	11025	Passeriformes	0.97222793	Turdidae	0.95984733			amerob	0.9999999	amerob	0.999999881	2024-10-20	17:38.6	Y
316	317.6	0	11025	Passeriformes	0.97191316	Turdidae	0.9460061			amerob	0.99988294	amerob	0.999882936	2024-10-20	18:16.0	Y
16	17.4	0	11025	Passeriformes	0.9722124	Turdidae	0.959555			amerob	0.9999999	amerob	0.999999881	2024-10-21	51:16.0	Y
185.8	187.4	0	11025	Passeriformes	0.97215015	Turdidae	0.9546218			amerob	0.9999994	amerob	0.999999404	2024-10-21	54:05.8	Y
189.8	191	0	11025	Passeriformes	0.9657946	Turdidae	0.9588543			amerob	0.9999957	amerob	0.999995708	2024-10-21	54:09.8	Y
176.8	178.6	0	11025	Passeriformes	0.9717591	Turdidae	0.9561149			amerob	0.99999857	amerob	0.999998569	2024-10-23	30:56.8	Y
181.4	182.8	0	11025	Passeriformes	0.97169906	Turdidae	0.9568085			amerob	0.9999958	amerob	0.999995828	2024-10-23	51:01.4	Y
186.6	188.2	0	11025	Passeriformes	0.9722072	Turdidae	0.9597808			amerob	0.9999999	amerob	0.999999881	2024-10-23	51:06.6	Y
240.4	241.8	0	11025	Passeriformes	0.9699426	Turdidae	0.9210184			amerob	0.98321104	amerob	0.98321104	2024-10-27	25:00.4	Y
162.2	163.6	0	11025	Passeriformes	0.97036946	Turdidae	0.95920914			amerob	0.99931467	amerob	0.999314666	2024-10-27	23:42.2	Y
199.6	201	0	11025	Passeriformes	0.96977407	Turdidae	0.95914936			amerob	0.99999976	amerob	0.999999762	2024-10-27	24:19.6	Y
142.8	144.4	0	11025	Passeriformes	0.9711112	Turdidae	0.95961094			amerob	0.9999999	amerob	0.999999881	2024-10-27	23:22.8	Y
236.8	238.6	0	11025	Passeriformes	0.97203064	Turdidae	0.95538557			amerob	0.99989104	amerob	0.999891043	2024-10-30	39:56.8	Y
239.2	241	0	11025	Passeriformes	0.9722301	Turdidae	0.95984447			amerob	0.9999999	amerob	0.999999881	2024-10-30	39:59.2	Y
242.4	244.2	0	11025	Passeriformes	0.97210073	Turdidae	0.95941144			amerob	0.99999976	amerob	0.999999762	2024-10-30	40:02.4	Y
248.2	249.4	0	11025	Passeriformes	0.97144306	Turdidae	0.94522613			amerob	0.9964778	amerob	0.996477783	2024-10-30	40:08.2	Y
589.6	590.8	0	11025	Passeriformes	0.9657804	Passerellidae	0.9211362	CUPS	0.8123295	amtspa	0.9967601	amtspa	0.99676007	2024-11-11	29:49.6	Y
287	288.8	0	11025	Passeriformes	0.9722349	Parulidae	0.9564572			bawwar	0.9999994	bawwar	0.999999404	2024-08-21	47:47.0	Y
49	50.6	0	11025	Passeriformes	0.97222275	Parulidae	0.9564452			bawwar	0.99999666	bawwar	0.999996662	2024-08-22	03:49.0	Y
523.4	524.8	0	11025	Passeriformes	0.9719691	Parulidae	0.9546991			bawwar	0.9974025	bawwar	0.997402489	2024-08-22	11:43.4	Y
594.4	596	0	11025	Passeriformes	0.97223413	Parulidae	0.95647115			bawwar	0.9999994	bawwar	0.999999404	2024-08-23	50:54.4	Y
582.4	583.8	0	11025	Passeriformes	0.97214466	Parulidae	0.9559602			bawwar	0.99999213	bawwar	0.999992132	2024-08-23	30:42.4	Y
334	335.8	0	11025	Passeriformes	0.97221553	Parulidae	0.95612			bawwar	0.9999982	bawwar	0.999998212	2024-08-23	24:34.0	Y
382.6	384.4	0	11025	Passeriformes	0.97220457	Parulidae	0.9562363			bawwar	0.9999994	bawwar	0.999999404	2024-08-23	25:22.6	Y
401	402.8	0	11025	Passeriformes	0.97217846	Parulidae	0.9561175			bawwar	0.99999595	bawwar	0.999995947	2024-08-23	25:41.0	Y
510.4	511.6	0	11025	Passeriformes	0.9709445	Parulidae	0.95454866			bawwar	0.99192166	bawwar	0.991921663	2024-08-24	46:30.4	Y
205.6	207.4	0	11025	Passeriformes	0.97223747	Parulidae	0.95648926			bawwar	0.9999999	bawwar	0.999999881	2024-08-24	41:25.6	Y
146	147.6	0	11025	Passeriformes	0.9722373	Parulidae	0.95649356			bawwar	0.9999995	bawwar	0.999999523	2024-08-25	00:26.0	Y
108.4	110.2	0	11025	Passeriformes	0.9722343	Parulidae	0.9564707			bawwar	0.9999999	bawwar	0.999999881	2024-08-25	57:48.4	Y
447.2	449	0	11025	Passeriformes	0.9722067	Parulidae	0.95620656			bawwar	0.99991584	bawwar	0.999915838	2024-08-26	03:27.2	Y
164.8	166.4	0	11025	Passeriformes	0.97218025	Parulidae	0.9561996			bawwar	0.9917401	bawwar	0.991740108	2024-09-09	10:44.8	Y

Table 7: 2024 Fall Acoustic Monitoring Period - Nighthawk Results - Aulds Cove Wind Project

Project # 24-10440

Begin Time (s)	End Time (s)	Low Freq (Hz)	High Freq (Hz)	Order	Prob Order	Family	Prob Family	Group	Prob Group	Species	Prob Species	Predicted Category	Prob	Date	Time	Annotation
516.8	518.6	0	11025	Passeriformes	0.97218895	Parulidae	0.95527405			bawwar	0.9999995	bawwar	0.999999523	2024-09-09	16:36.8	Y
13.6	15.4	0	11025	Passeriformes	0.97219837	Parulidae	0.9562447			bawwar	0.9993869	bawwar	0.999386907	2024-09-11	26:13.6	Y
335	336.2	0	11025	Passeriformes	0.972128	Parulidae	0.95619786			bawwar	0.9999989	bawwar	0.999998927	2024-09-11	31:35.0	Y
373.2	375	0	11025	Passeriformes	0.97212136	Parulidae	0.95598423			bawwar	0.9999814	bawwar	0.999981403	2024-09-11	12:13.2	Y
586.4	588	0	11025	Passeriformes	0.97173214	Parulidae	0.9554918			bawwar	0.9999976	bawwar	0.999997616	2024-09-11	53:46.4	Y
305.8	307.6	0	11025	Passeriformes	0.9720151	Parulidae	0.9558714			bawwar	0.999997	bawwar	0.99999702	2024-09-11	29:05.8	Y
260.2	261.4	0	11025	Passeriformes	0.9692904	Parulidae	0.9248591			bawwar	0.9905917	bawwar	0.990591705	2024-09-11	08:20.2	Y
233.4	235	0	11025	Passeriformes	0.96991515	Parulidae	0.94006413			bawwar	0.9997534	bawwar	0.999753416	2024-09-12	05:53.4	Y
574	575.2	0	11025	Passeriformes	0.9712929	Parulidae	0.9543354			bawwar	0.97757816	bawwar	0.977578163	2024-09-12	31:34.0	Y
16.4	18.2	0	11025	Passeriformes	0.97222185	Parulidae	0.9563497			bawwar	0.99999976	bawwar	0.999999762	2024-09-13	20:16.4	Y
267.6	269.4	0	11025	Passeriformes	0.97223026	Parulidae	0.9563253			bawwar	0.99999964	bawwar	0.999999642	45549	0.169764	Y
154.6	155.8	0	11025	Passeriformes	0.97187084	Parulidae	0.95356745			bawwar	0.99979657	bawwar	0.999796569	45550	0.097623	Y
430.2	431.8	0	11025	Passeriformes	0.9720195	Parulidae	0.95547366			bawwar	0.99999905	bawwar	0.999999046	45550	0.184146	Y
154.2	156	0	11025	Passeriformes	0.97223794	Parulidae	0.95636135			bawwar	0.99999845	bawwar	0.99999845	45553	0.870535	Y
522.2	524	0	11025	Passeriformes	0.96707636	Icteridae	0.9999999			boboli	0.99994266	boboli	0.99994266	45528	0.297016	Y
527.4	528.6	0	11025	Passeriformes	0.95812523	Icteridae	0.99999964			boboli	0.9993438	boboli	0.999343812	45528	0.297076	Y
549.4	551	0	11025	Passeriformes	0.9699883	Icteridae	0.9999999			boboli	0.99991167	boboli	0.999911666	45528	0.297331	Y
487.2	488.6	0	11025	Passeriformes	0.93655384	Parulidae	0.92016	SBUF	0.9118745	btbwar	0.8554532	btbwar	0.855453193	45538	0.145222	Y
270.4	271.8	0	11025	Passeriformes	0.9716181	Parulidae	0.9546348	ZEEP	0.94309896	camwar	0.9998932	camwar	0.999893188	45528	0.294102	Y
273	274.2	0	11025	Passeriformes	0.9719498	Parulidae	0.9558262	ZEEP	0.9548246	camwar	0.9457324	camwar	0.945732415	45528	0.294132	Y
275.8	277.4	0	11025	Passeriformes	0.97201914	Parulidae	0.95559365	ZEEP	0.95394695	camwar	0.9999962	camwar	0.999996185	45528	0.294164	Y
58.6	59.8	0	11025	Passeriformes	0.9708477	Parulidae	0.95178527	ZEEP	0.9417964	camwar	0.9999101	camwar	0.999910116	45533	0.881928	Y
472.4	474.2	0	11025	Passeriformes	0.9706783	Parulidae	0.9511242			canwar	0.99569345	canwar	0.995693445	45527	0.92144	Y
342.4	344.2	0	11025	Passeriformes	0.9718748	Parulidae	0.95529276			canwar	0.99553275	canwar	0.995532751	45527	0.933824	Y
586.4	588.2	0	11025	Passeriformes	0.9721592	Parulidae	0.9538396			canwar	0.9975024	canwar	0.997502387	45529	0.976231	Y
555.6	557.2	0	11025	Passeriformes	0.97205824	Parulidae	0.9546449			canwar	0.9974331	canwar	0.997433126	45529	0.989764	Y
120	121.8	0	11025	Passeriformes	0.9722102	Parulidae	0.9558799			canwar	0.99790657	canwar	0.997906566	45530	0.054167	Y
371.2	373	0	11025	Passeriformes	0.97206	Parulidae	0.9547416			canwar	0.99734443	canwar	0.997344434	45530	0.11263	Y
524.8	526.4	0	11025	Passeriformes	0.9715218	Parulidae	0.95387644			canwar	0.99576926	canwar	0.995769262	45531	0.001907	Y
522.6	524.4	0	11025	Passeriformes	0.9721648	Parulidae	0.955427			canwar	0.9977441	canwar	0.997744083	45538	0.020632	Y
135	136.4	0	11025	Passeriformes	0.97199035	Parulidae	0.9549353			canwar	0.9850617	canwar	0.985061705	45545	0.062674	Y
507.8	509.4	0	11025	Passeriformes	0.97187513	Parulidae	0.953568			canwar	0.9886901	canwar	0.988690078	45545	0.122544	Y
127.4	128.8	0	11025	Passeriformes	0.9720819	Parulidae	0.95486474			canwar	0.9953956	canwar	0.995395601	45546	0.893141	Y
286	287.4	0	11025	Passeriformes	0.9679126	Parulidae	0.9445148	BZWA	0.97107387	chswar	0.9579733	chswar	0.957973301	45526	0.130394	Y
385.8	387.2	0	11025	Passeriformes	0.97182703	Parulidae	0.9500896	BZWA	0.97546375	chswar	0.95633924	chswar	0.95633924	45526	0.894049	Y
558.8	560.4	0	11025	Passeriformes	0.971676	Parulidae	0.9534624	BZWA	0.98055136	chswar	0.9681741	chswar	0.9681741	45526	0.979384	Y
386.8	388.6	0	11025	Passeriformes	0.9717998	Parulidae	0.9546967	BZWA	0.9823078	chswar	0.968094	chswar	0.968093991	45527	0.920449	Y
389.6	391.4	0	11025	Passeriformes	0.97121483	Parulidae	0.9526353	BZWA	0.9815414	chswar	0.96640843	chswar	0.966408432	45527	0.920481	Y
401	402.6	0	11025	Passeriformes	0.97126734	Parulidae	0.95274574	BZWA	0.98181915	chswar	0.9668276	chswar	0.966827571	45527	0.920613	Y
415	416.6	0	11025	Passeriformes	0.96747744	Parulidae	0.9446553	BZWA	0.9785452	chswar	0.94548726	chswar	0.945487261	45527	0.920775	Y
228.8	230.2	0	11025	Passeriformes	0.97123355	Parulidae	0.9543822	BZWA	0.9743172	chswar	0.96121764	chswar	0.961217642	45528	0.904037	Y
346.8	348.6	0	11025	Passeriformes	0.97220606	Parulidae	0.9561415	BZWA	0.98296714	chswar	0.9697196	chswar	0.969719589	45528	0.974847	Y
388.2	390	0	11025	Passeriformes	0.9707564	Parulidae	0.9492932	BZWA	0.98139966	chswar	0.9671733	chswar	0.967173278	45528	0.975326	Y
49.4	51	0	11025	Passeriformes	0.9721857	Parulidae	0.9559817	BZWA	0.9818432	chswar	0.9673346	chswar	0.967334628	45530	0.108905	Y
68.6	70.4	0	11025	Passeriformes	0.9676848	Parulidae	0.9506428	BZWA	0.9779563	chswar	0.9571622	chswar	0.957162201	45541	0.941072	Y
448.2	450	0	11025	Passeriformes	0.97093767	Parulidae	0.9523758	BZWA	0.9718174	chswar	0.9496542	chswar	0.949654222	45547	0.923243	Y
225.8	227.6	0	11025	Passeriformes	0.972191	Parulidae	0.955748	BZWA	0.9828985	chswar	0.9667136	chswar	0.966713607	45547	0.920669	Y
208.4	210.2	0	11025	Passeriformes	0.97216177	Parulidae	0.9557395	BZWA	0.98285586	chswar	0.96705294	chswar	0.967052937	45547	0.920468	Y
469.6	471	0	11025	Passeriformes	0.9715747	Parulidae	0.94826335	BZWA	0.98238236	chswar	0.96866244	chswar	0.968662441	45547	0.965157	Y
489	490.8	0	11025	Passeriformes	0.9721806	Parulidae	0.9548909	BZWA	0.98272	chswar	0.9695533	chswar	0.969553292	45547	0.965382	Y
547.2	548.8	0	11025	Passeriformes	0.96401656	Parulidae	0.93572176	BZWA	0.91103977	chswar	0.90886444	chswar	0.908864439	45550	0.143833	Y
174	175.4	0	11025	Passeriformes	0.9672203	Parulidae	0.94133794	BZWA	0.97866184	chswar	0.9329538	chswar	0.932953775	45550	0.167292	Y
543.4	545	0	11025	Passeriformes	0.96390325	Parulidae	0.93929857	BZWA	0.95437133	chswar	0.9582315	chswar	0.958231509	45550	0.171567	Y

Table 7: 2024 Fall Acoustic Monitoring Period - Nighthawk Results - Aulds Cove Wind Project

Project # 24-10440

Begin Time (s)	End Time (s)	Low Freq (Hz)	High Freq (Hz)	Order	Prob Order	Family	Prob Family	Group	Prob Group	Species	Prob Species	Predicted Category	Prob	Date	Time	Annotation
292.4	294	0	11025	Passeriformes	0.96345884	Parulidae	0.9376922	BZWA	0.9756048	chswar	0.9536048	chswar	0.953604817	45553	0.858245	Y
337.8	339.6	0	11025	Passeriformes	0.9709094	Parulidae	0.9531638	BZWA	0.9813648	chswar	0.9631626	chswar	0.963162601	45553	0.858771	Y
13	14.4	0	11025	Passeriformes	0.9689446	Parulidae	0.94466615	BZWA	0.97674006	comyel	0.9997881	comyel	0.999788105	45526	0.127234	Y
398	399.4	0	11025	Passeriformes	0.9676107	Parulidae	0.925857	BZWA	0.9572128	comyel	0.9763932	comyel	0.976393223	45527	0.033079	Y
480.8	482.4	0	11025	Passeriformes	0.971599	Parulidae	0.9536345	BZWA	0.97185206	comyel	0.9995252	comyel	0.999525189	45527	0.075704	Y
557.4	559.2	0	11025	Passeriformes	0.9717934	Parulidae	0.95453674	BZWA	0.97671723	comyel	0.9997969	comyel	0.999796927	45527	0.104368	Y
262	263.4	0	11025	Passeriformes	0.97204685	Parulidae	0.9558681	BZWA	0.98085666	comyel	0.99999297	comyel	0.999992967	45527	0.946782	Y
78.2	80	0	11025	Passeriformes	0.97179013	Parulidae	0.9552888	BZWA	0.98149616	comyel	0.99944407	comyel	0.999444067	45527	0.986322	Y
225	226.8	0	11025	Passeriformes	0.9720668	Parulidae	0.9546535	BZWA	0.98247004	comyel	0.99996996	comyel	0.999969959	45528	0.959549	Y
537.6	539.4	0	11025	Passeriformes	0.9718024	Parulidae	0.9544349	BZWA	0.9820726	comyel	0.9999888	comyel	0.999988794	45528	0.963167	Y
103	104.8	0	11025	Passeriformes	0.97203493	Parulidae	0.95488113	BZWA	0.98223567	comyel	0.9999025	comyel	0.999902487	45528	0.972025	Y
195.2	196.6	0	11025	Passeriformes	0.9622529	Parulidae	0.931204	BZWA	0.9761028	comyel	0.9928417	comyel	0.992841721	45528	0.973093	Y
515.2	517	0	11025	Passeriformes	0.9720606	Parulidae	0.95464915	BZWA	0.9797784	comyel	0.99999964	comyel	0.999999642	45528	0.976796	Y
197.8	199.6	0	11025	Passeriformes	0.9721175	Parulidae	0.9554	BZWA	0.9826768	comyel	0.99999845	comyel	0.99999845	45529	0.084234	Y
54.4	55.8	0	11025	Passeriformes	0.96919024	Parulidae	0.9439037	BZWA	0.9560297	comyel	0.9982449	comyel	0.998244882	45529	0.983963	Y
293	294.6	0	11025	Passeriformes	0.972162	Parulidae	0.9556856	BZWA	0.97980577	comyel	0.99943155	comyel	0.999431551	45529	0.986725	Y
552	553.4	0	11025	Passeriformes	0.9707334	Parulidae	0.9543497	BZWA	0.9658535	comyel	0.97994494	comyel	0.979944944	45529	0.989722	Y
368.8	370.6	0	11025	Passeriformes	0.9691095	Parulidae	0.9464714	BZWA	0.9755726	comyel	0.99992776	comyel	0.999927759	45547	0.020935	Y
252.2	254	0	11025	Passeriformes	0.9721253	Parulidae	0.95578647	BZWA	0.98226756	comyel	0.9999988	comyel	0.999998808	45548	0.905697	Y
470.4	471.8	0	11025	Passeriformes	0.96967167	Parulidae	0.9470421	BZWA	0.9783951	comyel	0.9999933	comyel	0.999993324	45550	0.129056	Y
18	19.8	0	11025	Passeriformes	0.9720001	Parulidae	0.9545568	BZWA	0.981189	comyel	0.99994206	comyel	0.999942064	45550	0.165486	Y
231.8	233.2	0	11025	Passeriformes	0.9705964	Parulidae	0.94098717	BZWA	0.96510845	comyel	0.9999962	comyel	0.999996185	45550	0.167961	Y
236.2	237.6	0	11025	Passeriformes	0.971999	Parulidae	0.95426774	BZWA	0.9812859	comyel	0.9985453	comyel	0.998545289	45550	0.168012	Y
104.6	106.2	0	11025	Passeriformes	0.9720901	Parulidae	0.95508826	BZWA	0.9826597	comyel	0.99999917	comyel	0.999999166	45550	0.180377	Y
198.4	200	0	11025	Passeriformes	0.9710406	Parulidae	0.95214576	BZWA	0.9798421	comyel	0.99948263	comyel	0.999482632	45550	0.209241	Y
202.2	203.4	0	11025	Passeriformes	0.9720506	Parulidae	0.9556583	BZWA	0.9817141	comyel	0.9924436	comyel	0.992443621	45550	0.209285	Y
305.8	307.6	0	11025	Passeriformes	0.9708228	Parulidae	0.9529349	BZWA	0.9785081	comyel	0.9996799	comyel	0.999679923	45553	0.886178	Y
188.4	190	0	11025	Passeriformes	0.9714128	Parulidae	0.9485073	BZWA	0.98220253	comyel	0.9996388	comyel	0.999638796	45554	0.883431	Y
222.8	224.2	0	11025	Passeriformes	0.9719787	Parulidae	0.95439106	BZWA	0.97116345	comyel	0.999995	comyel	0.999994993	45567	0.893551	Y
456.8	460	0	11025	Passeriformes	0.9718989	Passerellidae	0.9953963			daejun	0.99670947	daejun	0.996709466	45583	0.349731	Y
460.8	462	0	11025	Passeriformes	0.96292955	Passerellidae	0.9936113			daejun	0.9955273	daejun	0.995527327	45583	0.349778	Y
471	472.6	0	11025	Passeriformes	0.9696242	Passerellidae	0.9949411			daejun	0.99628794	daejun	0.996287942	45583	0.349896	Y
493.4	494.8	0	11025	Passeriformes	0.96822137	Passerellidae	0.9946768			daejun	0.99535096	daejun	0.995350957	45583	0.350155	Y
499.8	501.6	0	11025	Passeriformes	0.97124654	Passerellidae	0.99533784			daejun	0.996811	daejun	0.996810973	45583	0.350229	Y
193.8	196.6	0	11025	Passeriformes	0.97146565	Passerellidae	0.9952473			daejun	0.9965424	daejun	0.996542394	45585	0.316826	Y
203.6	204.8	0	11025	Passeriformes	0.86146796	Passerellidae	0.9835007			daejun	0.9771318	daejun	0.977131784	45585	0.31694	Y
206	207.6	0	11025	Passeriformes	0.9697595	Passerellidae	0.9948625			daejun	0.9967039	daejun	0.996703923	45585	0.316968	Y
242.4	244.4	0	11025	Passeriformes	0.96698976	Passerellidae	0.9941332			daejun	0.9961223	daejun	0.996122301	45585	0.317389	Y
245.4	246.8	0	11025	Passeriformes	0.9704295	Passerellidae	0.99528295			daejun	0.99336785	daejun	0.993367851	45585	0.317424	Y
257	258.4	0	11025	Passeriformes	0.9640591	Passerellidae	0.97797453			daejun	0.98083204	daejun	0.98083204	45585	0.317558	Y
364.4	365.8	0	11025	Passeriformes	0.9710487	Passerellidae	0.9953223			daejun	0.9966857	daejun	0.996685684	45585	0.318801	Y
466.8	468.2	0	11025	Passeriformes	0.9367101	Passerellidae	0.9815725			daejun	0.9859882	daejun	0.9859882	45585	0.319986	Y
112	113.4	0	11025	Passeriformes	0.96904683	Passerellidae	0.99501073			daejun	0.9963756	daejun	0.99637562	45586	0.314491	Y
316.8	318.6	0	11025	Passeriformes	0.97186893	Passerellidae	0.9955213			daejun	0.996977	daejun	0.996976972	45586	0.33075	Y
365.4	366.8	0	11025	Passeriformes	0.96866614	Passerellidae	0.994902			daejun	0.99646336	daejun	0.996463358	45586	0.331313	Y
374.4	376.8	0	11025	Passeriformes	0.96717685	Passerellidae	0.9944311			daejun	0.99627125	daejun	0.996271253	45586	0.331417	Y
378.2	380	0	11025	Passeriformes	0.9721343	Passerellidae	0.99557316			daejun	0.9969958	daejun	0.996995807	45586	0.331461	Y
380.2	381.8	0	11025	Passeriformes	0.9716386	Passerellidae	0.9954112			daejun	0.9969169	daejun	0.99691689	45586	0.331484	Y
383.2	385.4	0	11025	Passeriformes	0.9718944	Passerellidae	0.9954875			daejun	0.996953	daejun	0.996953011	45586	0.331519	Y
386.2	387.8	0	11025	Passeriformes	0.9469779	Passerellidae	0.98666906			daejun	0.9697509	daejun	0.969750881	45586	0.331553	Y
388.6	391.4	0	11025	Passeriformes	0.9655353	Passerellidae	0.9939499			daejun	0.9948565	daejun	0.994856477	45586	0.331581	Y
391.8	395.2	0	11025	Passeriformes	0.9722	Passerellidae	0.99558014			daejun	0.99700445	daejun	0.997004449	45586	0.331618	Y
400	401.6	0	11025	Passeriformes	0.9394087	Passerellidae	0.98959			daejun	0.97157186	daejun	0.971571863	45586	0.331713	Y

Table 7: 2024 Fall Acoustic Monitoring Period - Nighthawk Results - Aulds Cove Wind Project

Project # 24-10440

Begin Time (s)	End Time (s)	Low Freq (Hz)	High Freq (Hz)	Order	Prob_Order	Family	Prob_Family	Group	Prob_Group	Species	Prob_Species	Predicted_Category	Prob	Date	Time	Annotation
403.8	405.2	0	11025	Passeriformes	0.96937	Passerellidae	0.99443996			daejun	0.9946127	daejun	0.994612694	45586	0.331757	Y
410.6	412	0	11025	Passeriformes	0.9282695	Passerellidae	0.9867889			daejun	0.97552276	daejun	0.975522757	45586	0.331836	Y
427.2	429	0	11025	Passeriformes	0.9722005	Passerellidae	0.9955831			daejun	0.9970067	daejun	0.997006714	45586	0.332028	Y
434.8	436.2	0	11025	Passeriformes	0.96232	Passerellidae	0.9913122			daejun	0.99515235	daejun	0.995152354	45586	0.332116	Y
19.6	21	0	11025	Passeriformes	0.97076416	Passerellidae	0.99523914			daejun	0.9967205	daejun	0.996720493	45592	0.306477	Y
23	24.6	0	11025	Passeriformes	0.97189313	Passerellidae	0.99546033			daejun	0.9968867	daejun	0.996886671	45592	0.306516	Y
447.4	448.8	0	11025	Passeriformes	0.96906763	Passerellidae	0.9947856			daejun	0.99611133	daejun	0.996111333	45603	0.341984	Y
566.6	568.4	0	11025	Passeriformes	0.9711722	Passerellidae	0.9954862			daejun	0.9969235	daejun	0.996923506	45605	0.729475	Y
231.6	233	0	11025	Passeriformes	0.9474884	Passerellidae	0.98951274			daejun	0.9898505	daejun	0.989850521	45607	0.349903	Y
228	229.8	0	11025	Passeriformes	0.9712143	Passerellidae	0.99542195			daejun	0.99685115	daejun	0.996851146	45607	0.349861	Y
228	229.8	0	11025	Passeriformes	0.9712143	Passerellidae	0.99542195			daejun	0.99685115	daejun	0.996851146	45607	0.349861	Y
547.2	549	0	11025	Passeriformes	0.95055825	Cardinalidae	0.9861826			dickci	0.9657706	dickci	0.965770602	45534	0.276472	Y
579.8	582	0	11025	Passeriformes	0.9695328	Cardinalidae	0.9891556			dickci	0.98358995	dickci	0.983589947	45534	0.27685	Y
559.2	563.2	0	11025	Passeriformes	0.9672499	Cardinalidae	0.9935688			dickci	0.99489176	dickci	0.994891763	45534	0.276611	Y
549.2	552.4	0	11025	Passeriformes	0.97215265	Cardinalidae	0.99439454			dickci	0.9973654	dickci	0.997365415	45534	0.276495	Y
556.4	558.2	0	11025	Passeriformes	0.9721449	Cardinalidae	0.9946003			dickci	0.99749666	dickci	0.997496665	45534	0.276579	Y
574.4	576	0	11025	Passeriformes	0.97200936	Cardinalidae	0.99452496			dickci	0.99751294	dickci	0.997512937	45534	0.276787	Y
554.4	556	0	11025	Passeriformes	0.9720926	Cardinalidae	0.9945878			dickci	0.99753076	dickci	0.997530758	45534	0.276556	Y
564.8	569.8	0	11025	Passeriformes	0.97222906	Cardinalidae	0.99465656			dickci	0.99770004	dickci	0.997700036	45534	0.276676	Y
569.8	573.4	0	11025	Passeriformes	0.97222906	Cardinalidae	0.99465656			dickci	0.99770004	dickci	0.997700036	45534	0.276734	Y
156.6	158.2	0	11025	Charadriiformes	0.9814726	Scolopacidae	0.995701			greyel	0.9997985	greyel	0.999798477	45526	0.19834	Y
353	354.6	0	11025	Charadriiformes	0.98049337	Scolopacidae	0.9950925			greyel	0.9992894	greyel	0.999289393	45527	0.213113	Y
84.8	86.6	0	11025	Charadriiformes	0.9812656	Scolopacidae	0.99557084			greyel	0.999663	greyel	0.999662995	45564	0.022509	Y
384.4	386.4	0	11025	Charadriiformes	0.9814368	Scolopacidae	0.9956851			greyel	0.9998066	greyel	0.999806583	45564	0.275977	Y
535.6	537.6	0	11025	Charadriiformes	0.9814803	Scolopacidae	0.99570245			greyel	0.99979025	greyel	0.999790251	45564	0.831894	Y
547.4	548.8	0	11025	Passeriformes	0.9654156	Turdidae	0.94739074	THSH	0.929262	herthr	0.9999982	herthr	0.999998212	45541	0.295225	Y
490.4	491.8	0	11025	Passeriformes	0.960972	Turdidae	0.92954767	THSH	0.8973019	herthr	0.99998426	herthr	0.999984264	45548	0.257065	Y
217.2	218.4	0	11025	Passeriformes	0.97084	Turdidae	0.95799637	THSH	0.9438579	herthr	0.9999987	herthr	0.999998689	45548	0.766403	Y
90.8	92.2	0	11025	Passeriformes	0.96934825	Turdidae	0.95503837	THSH	0.9412936	herthr	0.99999845	herthr	0.99999845	45550	0.263551	Y
475.2	476.6	0	11025	Passeriformes	0.9618486	Turdidae	0.95091826	THSH	0.92925483	herthr	0.9999689	herthr	0.999968886	45552	0.251333	Y
505.2	506.6	0	11025	Passeriformes	0.9694316	Turdidae	0.9511548	THSH	0.93764496	herthr	0.99999845	herthr	0.99999845	45554	0.263486	Y
512.8	514.6	0	11025	Passeriformes	0.9712767	Turdidae	0.9579317	THSH	0.94489527	herthr	0.9999987	herthr	0.999998689	45554	0.263574	Y
519.6	521.2	0	11025	Passeriformes	0.96909386	Turdidae	0.9568969	THSH	0.9436186	herthr	0.99999714	herthr	0.999997139	45554	0.263653	Y
90.2	91.4	0	11025	Passeriformes	0.9695696	Turdidae	0.9554105	THSH	0.9408165	herthr	0.99999833	herthr	0.999998331	45554	0.882294	Y
231.8	233.2	0	11025	Passeriformes	0.967163	Turdidae	0.9504532	THSH	0.9300371	herthr	0.9999894	herthr	0.99998939	45556	0.271433	Y
9.4	10.8	0	11025	Passeriformes	0.97092426	Turdidae	0.95810187	THSH	0.9449255	herthr	0.9999988	herthr	0.999998808	45559	0.264692	Y
236.4	238	0	11025	Passeriformes	0.9719287	Turdidae	0.95864046	THSH	0.94563395	herthr	0.99999845	herthr	0.99999845	45561	0.264542	Y
260.8	262.4	0	11025	Passeriformes	0.9648951	Turdidae	0.95030224	THSH	0.9320621	herthr	0.99999857	herthr	0.999998569	45561	0.264824	Y
8.2	9.8	0	11025	Passeriformes	0.9705968	Turdidae	0.9559387	THSH	0.9414476	herthr	0.99999785	herthr	0.999997854	45564	0.257734	Y
208.2	209.8	0	11025	Passeriformes	0.91976285	Turdidae	0.92503256	THSH	0.90067214	herthr	0.9999689	herthr	0.999968886	45564	0.273938	Y
226.4	228	0	11025	Passeriformes	0.968789	Turdidae	0.9553346	THSH	0.94064796	herthr	0.9999939	herthr	0.99999392	45565	0.217204	Y
3.2	4.6	0	11025	Passeriformes	0.9546126	Turdidae	0.94113624	THSH	0.9226458	herthr	0.999941	herthr	0.999940991	45565	0.270176	Y
112.8	114.4	0	11025	Passeriformes	0.96591926	Turdidae	0.95081174	THSH	0.93236864	herthr	0.9999982	herthr	0.999998212	45565	0.271444	Y
262.6	263.8	0	11025	Passeriformes	0.95890135	Turdidae	0.94428056	THSH	0.9205867	herthr	0.99999726	herthr	0.999997258	45566	0.853734	Y
549.2	550.8	0	11025	Passeriformes	0.9623846	Turdidae	0.95098823	THSH	0.9346802	herthr	0.9998884	herthr	0.99988842	45569	0.271634	Y
237.4	239	0	11025	Passeriformes	0.9716635	Turdidae	0.9583303	THSH	0.94479936	herthr	0.9999988	herthr	0.999998808	45573	0.276359	Y
546.8	548.4	0	11025	Passeriformes	0.97213566	Turdidae	0.9595276	THSH	0.94677883	herthr	0.99999905	herthr	0.999999046	45573	0.27994	Y
36.4	37.6	0	11025	Passeriformes	0.962226	Turdidae	0.9449947	THSH	0.92901266	herthr	0.99999726	herthr	0.999997258	45579	0.294171	Y
42.4	44	0	11025	Passeriformes	0.9108141	Turdidae	0.86868745	THSH	0.83869505	herthr	0.999998	herthr	0.999997973	45579	0.294241	Y
135.6	137.4	0	11025	Passeriformes	0.9711384	Turdidae	0.9578171	THSH	0.9439315	herthr	0.9999988	herthr	0.999998808	45583	0.276569	Y
512.2	513.8	0	11025	Passeriformes	0.93559873	Turdidae	0.9124605	THSH	0.8708715	herthr	0.99993265	herthr	0.999932647	45583	0.280928	Y
588.8	590.4	0	11025	Passeriformes	0.9686863	Turdidae	0.95210177	THSH	0.9368738	herthr	0.99999833	herthr	0.999998331	45583	0.891537	Y
500.2	502.2	0	11025	Passeriformes	0.9693601	Turdidae	0.956118	THSH	0.94120425	herthr	0.9999988	herthr	0.999998808	45584	0.126623	Y

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524.8	526.4	0	11025	Passeriformes	0.94360435	Turdidae	0.9333529	THSH	0.90897447	herthr	0.99998426	herthr	0.999984264	45584	0.126907	Y
56.4	57.8	0	11025	Passeriformes	0.96484894	Turdidae	0.949905	THSH	0.93434995	herthr	0.99999607	herthr	0.999996066	45587	0.229125	Y
443	444.2	0	11025	Passeriformes	0.9715749	Turdidae	0.9579736	THSH	0.94462574	herthr	0.9999988	herthr	0.999998808	45587	0.857905	Y
14.4	16	0	11025	Passeriformes	0.97181106	Parulidae	0.9499139	MWAR	0.99886024	mouwar	0.9954855	mouwar	0.995485485	45527	0.056417	Y
26.8	28	0	11025	Passeriformes	0.96913433	Parulidae	0.9429234	MWAR	0.9968845	mouwar	0.9666186	mouwar	0.966618598	45527	0.05656	Y
37.6	39.4	0	11025	Passeriformes	0.9690754	Parulidae	0.9431835	MWAR	0.998262	mouwar	0.9885845	mouwar	0.988584518	45527	0.056685	Y
358.8	360.6	0	11025	Passeriformes	0.97173834	Parulidae	0.9542975	MWAR	0.9988011	mouwar	0.99426526	mouwar	0.994265258	45527	0.934014	Y
136.6	138.2	0	11025	Passeriformes	0.97184396	Parulidae	0.9546684	MWAR	0.9983681	mouwar	0.98027337	mouwar	0.980273366	45527	0.973109	Y
471	472.8	0	11025	Passeriformes	0.9722015	Parulidae	0.95556194	MWAR	0.9990225	mouwar	0.99622524	mouwar	0.996225238	45527	0.990868	Y
221.2	222.8	0	11025	Passeriformes	0.96839195	Parulidae	0.9437825	MWAR	0.99624276	mouwar	0.8424999	mouwar	0.842499912	45528	0.903949	Y
144	145.8	0	11025	Passeriformes	0.9722172	Parulidae	0.95573854	MWAR	0.99909425	mouwar	0.9962245	mouwar	0.996224523	45528	0.944722	Y
482.8	484.2	0	11025	Passeriformes	0.97211313	Parulidae	0.9535578	MWAR	0.99873847	mouwar	0.98922837	mouwar	0.989228368	45528	0.99031	Y
431.6	433.4	0	11025	Passeriformes	0.9720211	Parulidae	0.9533933	MWAR	0.9990232	mouwar	0.9952905	mouwar	0.995290518	45529	0.100829	Y
443.4	445.2	0	11025	Passeriformes	0.9714415	Parulidae	0.945338	MWAR	0.9987888	mouwar	0.99497104	mouwar	0.994971037	45529	0.100965	Y
413.6	414.8	0	11025	Passeriformes	0.97026795	Parulidae	0.9488196	MWAR	0.99851793	mouwar	0.99363375	mouwar	0.993633747	45529	0.22562	Y
57.8	59.6	0	11025	Passeriformes	0.9717296	Parulidae	0.9543813	MWAR	0.9965275	mouwar	0.90874994	mouwar	0.908749938	45529	0.984002	Y
308.8	310.6	0	11025	Passeriformes	0.97212	Parulidae	0.95575976	MWAR	0.99900335	mouwar	0.9934633	mouwar	0.993463278	45530	0.000796	Y
159	160.6	0	11025	Passeriformes	0.9708363	Parulidae	0.9509843	MWAR	0.9986904	mouwar	0.9924373	mouwar	0.992437303	45530	0.124063	Y
419.4	421.2	0	11025	Passeriformes	0.9721266	Parulidae	0.95552474	MWAR	0.9990816	mouwar	0.9962936	mouwar	0.996293604	45545	0.038188	Y
323.2	324.8	0	11025	Passeriformes	0.97214407	Parulidae	0.9552427	MWAR	0.998961	mouwar	0.9912429	mouwar	0.991242886	45545	0.98013	Y
239	240.8	0	11025	Passeriformes	0.97219557	Parulidae	0.95577145	MWAR	0.9990571	mouwar	0.9971276	mouwar	0.997127593	45546	0.062488	Y
172.6	174.4	0	11025	Passeriformes	0.9722311	Parulidae	0.95628244	MWAR	0.9991819	mouwar	0.997299	mouwar	0.997299016	45546	0.200609	Y
149.4	151.2	0	11025	Passeriformes	0.9720671	Parulidae	0.95502573	MWAR	0.99906987	mouwar	0.9955445	mouwar	0.995544493	45546	0.879507	Y
519.4	521	0	11025	Passeriformes	0.97207505	Parulidae	0.95390826	MWAR	0.9986613	mouwar	0.98842	mouwar	0.98842001	45547	0.896289	Y
241.2	242.6	0	11025	Passeriformes	0.97208023	Parulidae	0.95522356	MWAR	0.9989793	mouwar	0.99012125	mouwar	0.990121245	45547	0.906958	Y
380.4	382.2	0	11025	Passeriformes	0.97125185	Parulidae	0.9498923	MWAR	0.998694	mouwar	0.9909985	mouwar	0.990998507	45547	0.936347	Y
389.4	391	0	11025	Passeriformes	0.96595544	Parulidae	0.93917125	MWAR	0.9960712	mouwar	0.92232716	mouwar	0.922327161	45547	0.936451	Y
183.8	185.6	0	11025	Passeriformes	0.97222996	Parulidae	0.9558786	MWAR	0.9991911	mouwar	0.99802136	mouwar	0.998021364	45548	0.003516	Y
567	568.4	0	11025	Passeriformes	0.9680369	Parulidae	0.92894024	MWAR	0.99664366	mouwar	0.86978173	mouwar	0.869781733	45548	0.007951	Y
91.4	92.8	0	11025	Passeriformes	0.9722199	Parulidae	0.9560538	MWAR	0.99903035	mouwar	0.98337424	mouwar	0.983374238	45550	0.138558	Y
78.6	80.2	0	11025	Passeriformes	0.96843886	Parulidae	0.94215477	MWAR	0.99766445	mouwar	0.97834456	mouwar	0.97834456	45563	0.86966	Y
337.6	339	0	11025	Passeriformes	0.9692984	Parulidae	0.9203431	DEWA	0.9998363	norpar	0.99804235	norpar	0.998042345	45526	0.089324	Y
331.4	333	0	11025	Passeriformes	0.971641	Parulidae	0.9406143	DEWA	0.99994946	norpar	0.9993197	norpar	0.999319673	45529	0.97328	Y
112.2	113.6	0	11025	Passeriformes	0.97210747	Parulidae	0.9407812	DEWA	0.999936	norpar	0.99901664	norpar	0.999016643	45529	0.984632	Y
43.4	44.8	0	11025	Passeriformes	0.9708019	Parulidae	0.91271824	DEWA	0.999757	norpar	0.9727017	norpar	0.972701728	45529	0.997725	Y
59.6	61	0	11025	Passeriformes	0.9714138	Parulidae	0.9158211	DEWA	0.99946755	norpar	0.98665804	norpar	0.986658037	45529	0.997912	Y
22.4	23.8	0	11025	Passeriformes	0.9696446	Parulidae	0.82595825	DEWA	0.9981457	norpar	0.9249661	norpar	0.924966097	45530	0.108593	Y
280.2	281.4	0	11025	Passeriformes	0.9716091	Parulidae	0.94971406	DEWA	0.9997142	norpar	0.9935615	norpar	0.993561506	45532	0.011576	Y
364.4	366.2	0	11025	Passeriformes	0.9721725	Parulidae	0.951843	DEWA	0.9999887	norpar	0.9999318	norpar	0.999931812	45534	0.897968	Y
497.2	498.8	0	11025	Passeriformes	0.96918654	Parulidae	0.9305675	DEWA	0.99994314	norpar	0.9986364	norpar	0.998636425	45535	0.135616	Y
221.2	223	0	11025	Passeriformes	0.97212034	Parulidae	0.9528044	DEWA	0.9999887	norpar	0.99994147	norpar	0.999941468	45535	0.936588	Y
324.4	325.8	0	11025	Passeriformes	0.9713397	Parulidae	0.9431064	DEWA	0.9999764	norpar	0.99985313	norpar	0.999853134	45535	0.951671	Y
88.2	89.6	0	11025	Passeriformes	0.9718037	Parulidae	0.92502576	DEWA	0.999376	norpar	0.9881734	norpar	0.988173425	45537	0.890604	Y
522.6	524.2	0	11025	Passeriformes	0.97144824	Parulidae	0.9482123	DEWA	0.99994516	norpar	0.99805236	norpar	0.998052359	45545	0.108826	Y
335.8	337	0	11025	Passeriformes	0.96985507	Parulidae	0.907682	DEWA	0.9998016	norpar	0.9926104	norpar	0.992610395	45546	0.105275	Y
71.8	73	0	11025	Passeriformes	0.9705959	Parulidae	0.9112353	DEWA	0.9997615	norpar	0.9922462	norpar	0.992246211	45546	0.116109	Y
78.2	80	0	11025	Passeriformes	0.97056544	Parulidae	0.8541398	DEWA	0.9999862	norpar	0.99988186	norpar	0.999881864	45546	0.116183	Y
403.6	405.2	0	11025	Passeriformes	0.96814805	Parulidae	0.8650752	DEWA	0.9999782	norpar	0.99978644	norpar	0.999786437	45547	0.104671	Y
559.8	561.2	0	11025	Passeriformes	0.9719606	Parulidae	0.9411171	DEWA	0.9999821	norpar	0.9997248	norpar	0.999724805	45548	0.035646	Y
433	434.6	0	11025	Passeriformes	0.9690828	Parulidae	0.8954997	DEWA	0.99963593	norpar	0.9795136	norpar	0.979513586	45549	0.005012	Y
359	360.6	0	11025	Passeriformes	0.9717096	Parulidae	0.9542347	DEWA	0.99999106	norpar	0.9999629	norpar	0.999962926	45551	0.320822	Y
474.8	476.6	0	11025	Passeriformes	0.9718347	Parulidae	0.95181715	DEWA	0.9999821	norpar	0.99979705	norpar	0.999797046	45553	0.069384	Y
264.4	265.8	0	11025	Passeriformes	0.97128516	Parulidae	0.90322864	DEWA	0.9997427	norpar	0.99730116	norpar	0.997301161	45554	0.912088	Y

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440	441.2	0	11025	Passeriformes	0.97078574	Parulidae	0.9128876	DEWA	0.9999782	norpar	0.99986076	norpar	0.999860764	45564	0.886343	Y
465.2	466.4	0	11025	Passeriformes	0.9714633	Parulidae	0.8869923	DEWA	0.99956614	norpar	0.99005556	norpar	0.990055561	45584	0.070662	Y
462.6	464.4	0	11025	Passeriformes	0.97209936	Parulidae	0.95399374	ZEEP	0.9617064	norwat	0.99999976	norwat	0.999999762	45526	0.049104	Y
389	390.6	0	11025	Passeriformes	0.9722252	Parulidae	0.9552602	ZEEP	0.9624474	norwat	0.9999999	norwat	0.999999881	45526	0.187141	Y
336.4	338.2	0	11025	Passeriformes	0.9721476	Parulidae	0.95318973	ZEEP	0.93718815	norwat	0.9999924	norwat	0.999992371	45526	0.255977	Y
346	347.8	0	11025	Passeriformes	0.9722045	Parulidae	0.95607924	ZEEP	0.9612975	norwat	0.9999999	norwat	0.999999881	45526	0.256088	Y
13.2	14.6	0	11025	Passeriformes	0.9698036	Parulidae	0.92576104	ZEEP	0.953487	norwat	0.99993384	norwat	0.999933839	45527	0.070292	Y
82	83.8	0	11025	Passeriformes	0.9722321	Parulidae	0.9562727	ZEEP	0.96288437	norwat	0.9999949	norwat	0.999994874	45527	0.93081	Y
413	414.6	0	11025	Passeriformes	0.9717093	Parulidae	0.95197356	ZEEP	0.96003354	norwat	0.999998	norwat	0.999997973	45527	0.990197	Y
23.4	25.2	0	11025	Passeriformes	0.97210634	Parulidae	0.9547024	ZEEP	0.9598593	norwat	0.999982	norwat	0.999981999	45527	0.999576	Y
37.2	39	0	11025	Passeriformes	0.97216177	Parulidae	0.95250106	ZEEP	0.9609463	norwat	0.9999989	norwat	0.999998927	45528	0.971264	Y
46	47.8	0	11025	Passeriformes	0.9722039	Parulidae	0.9540427	ZEEP	0.96186936	norwat	0.99999976	norwat	0.999999762	45528	0.971366	Y
470.2	472	0	11025	Passeriformes	0.9722187	Parulidae	0.9559556	ZEEP	0.9625484	norwat	0.99999976	norwat	0.999999762	45528	0.976275	Y
445.4	447.2	0	11025	Passeriformes	0.9687923	Parulidae	0.93110687	ZEEP	0.95281607	norwat	0.9301002	norwat	0.930100203	45528	0.989877	Y
200.8	202.6	0	11025	Passeriformes	0.9722045	Parulidae	0.95550644	ZEEP	0.9623014	norwat	0.99999845	norwat	0.99999845	45529	0.014824	Y
386.2	387.6	0	11025	Passeriformes	0.97087383	Parulidae	0.9483115	ZEEP	0.9552586	norwat	0.9819103	norwat	0.981910288	45529	0.100303	Y
105.6	107.4	0	11025	Passeriformes	0.9717739	Parulidae	0.9521852	ZEEP	0.9498541	norwat	0.99999774	norwat	0.999997735	45529	0.984556	Y
98.2	99.4	0	11025	Passeriformes	0.96026963	Parulidae	0.9222673	ZEEP	0.9415232	norwat	0.99996996	norwat	0.999969959	45529	0.998359	Y
247.2	249	0	11025	Passeriformes	0.9718313	Parulidae	0.9531414	ZEEP	0.9613113	norwat	0.999998	norwat	0.999997973	45530	0.055639	Y
257	258.4	0	11025	Passeriformes	0.9699452	Parulidae	0.9434071	ZEEP	0.9573874	norwat	0.9992919	norwat	0.999291897	45530	0.111308	Y
225.8	227.6	0	11025	Passeriformes	0.9719498	Parulidae	0.9549291	SBUF	0.93817306	ovenbi1	0.9842367	ovenbi1	0.984236717	45525	0.949141	Y
458.8	460.6	0	11025	Passeriformes	0.9708303	Parulidae	0.9539607	SBUF	0.92603135	ovenbi1	0.9773323	ovenbi1	0.977332294	45525	0.951838	Y
482.6	484.2	0	11025	Passeriformes	0.9722101	Parulidae	0.95625377	SBUF	0.94071853	ovenbi1	0.98427457	ovenbi1	0.984274566	45525	0.952113	Y
27.8	29.6	0	11025	Passeriformes	0.97158706	Parulidae	0.95467144	SBUF	0.932708	ovenbi1	0.981767	ovenbi1	0.981766999	45526	0.044072	Y
536	537.4	0	11025	Passeriformes	0.97208256	Parulidae	0.95508075	SBUF	0.9329226	ovenbi1	0.9781068	ovenbi1	0.978106797	45526	0.049954	Y
592.6	594.4	0	11025	Passeriformes	0.97207224	Parulidae	0.95530266	SBUF	0.9387837	ovenbi1	0.983345	ovenbi1	0.983344972	45527	0.922831	Y
215.8	217.4	0	11025	Passeriformes	0.97035766	Parulidae	0.9537696	SBUF	0.9324536	ovenbi1	0.9779939	ovenbi1	0.977993906	45528	0.945553	Y
204.6	206	0	11025	Passeriformes	0.9707074	Parulidae	0.9062454	SBUF	0.8996668	ovenbi1	0.88631356	ovenbi1	0.886313558	45528	0.98709	Y
533.6	535.2	0	11025	Passeriformes	0.9718848	Parulidae	0.9553071	SBUF	0.93510497	ovenbi1	0.9747326	ovenbi1	0.974732578	45529	0.074231	Y
132.4	134	0	11025	Passeriformes	0.9706725	Parulidae	0.95355344	SBUF	0.93519735	ovenbi1	0.98144203	ovenbi1	0.981442034	45529	0.984866	Y
156.4	158	0	11025	Passeriformes	0.9722015	Parulidae	0.9561151	SBUF	0.93918794	ovenbi1	0.9750235	ovenbi1	0.975023508	45544	0.965699	Y
160	161.8	0	11025	Passeriformes	0.9720176	Parulidae	0.9552677	SBUF	0.93782055	ovenbi1	0.9836969	ovenbi1	0.983696878	45544	0.965741	Y
361.4	363	0	11025	Passeriformes	0.97220606	Parulidae	0.9557736	SBUF	0.93705416	ovenbi1	0.96659744	ovenbi1	0.966597438	45545	0.093072	Y
448.2	450	0	11025	Passeriformes	0.9721734	Parulidae	0.9546765	SBUF	0.9345468	ovenbi1	0.970019	ovenbi1	0.970018983	45546	0.06491	Y
516	517.8	0	11025	Passeriformes	0.92238003	Parulidae	0.8795651	SBUF	0.8289502	ovenbi1	0.89087623	ovenbi1	0.890876234	45546	0.149028	Y
417.6	419.2	0	11025	Passeriformes	0.97222185	Parulidae	0.956284	SBUF	0.9394787	ovenbi1	0.97581655	ovenbi1	0.975816548	45546	0.231222	Y
539.4	541.2	0	11025	Passeriformes	0.97164154	Parulidae	0.9560236	SBUF	0.91998124	ovenbi1	0.96108586	ovenbi1	0.961085856	45546	0.232632	Y
429.2	430.6	0	11025	Passeriformes	0.971123	Parulidae	0.94862014	SBUF	0.9145389	ovenbi1	0.95413274	ovenbi1	0.954132736	45547	0.96469	Y
217.8	219.6	0	11025	Passeriformes	0.97196925	Parulidae	0.95378166	SBUF	0.933049	ovenbi1	0.9722878	ovenbi1	0.972287774	45550	0.15391	Y
271.2	273	0	11025	Passeriformes	0.9706597	Parulidae	0.94110507	SBUF	0.8470161	palwar	0.9999939	palwar	0.99999392	45526	0.213556	Y
8.8	10.2	0	11025	Passeriformes	0.97127324	Parulidae	0.952491	SBUF	0.9259793	palwar	0.9999999	palwar	0.999999881	45527	0.070241	Y
562.8	564.4	0	11025	Passeriformes	0.95987546	Parulidae	0.919415	SBUF	0.8907594	palwar	0.9999939	palwar	0.99999392	45529	0.019014	Y
139.4	141	0	11025	Passeriformes	0.9718965	Parulidae	0.9507205	SBUF	0.93214256	palwar	0.99999976	palwar	0.999999762	45530	0.109947	Y
39.6	41.2	0	11025	Passeriformes	0.9680102	Parulidae	0.9342033	SBUF	0.92069757	palwar	0.99993527	palwar	0.999935269	45549	0.985181	Y
253.8	255	0	11025	Passeriformes	0.95983505	Parulidae	0.89862794	SBUF	0.8561455	palwar	0.9999933	palwar	0.999993324	45550	0.126549	Y
167.6	169	0	11025	Passeriformes	0.97200835	Parulidae	0.9508088	SBUF	0.9348023	palwar	0.9999999	palwar	0.999999881	45550	0.181106	Y
441.8	444.6	0	11025	Passeriformes	0.97189605	Parulidae	0.9528476	SBUF	0.9385115	palwar	0.9999999	palwar	0.999999881	45550	0.253725	Y
445.2	447.8	0	11025	Passeriformes	0.9641473	Parulidae	0.8969868	SBUF	0.9168411	palwar	0.99999976	palwar	0.999999762	45550	0.253764	Y
431.2	432.4	0	11025	Passeriformes	0.96681166	Parulidae	0.9398989	SBUF	0.931164	palwar	0.9999995	palwar	0.999999523	45550	0.295269	Y
1	2.2	0	11025	Passeriformes	0.97131395	Parulidae	0.9409472	SBUF	0.90631837	palwar	0.9999995	palwar	0.999999523	45551	0.275012	Y
62.6	64.2	0	11025	Passeriformes	0.9681892	Parulidae	0.91963714	SBUF	0.9228636	palwar	0.9999999	palwar	0.999999881	45553	0.036836	Y
82.4	84.2	0	11025	Passeriformes	0.9695041	Parulidae	0.9342185	SBUF	0.92734057	palwar	0.99999964	palwar	0.999999642	45553	0.037065	Y
103.4	105.2	0	11025	Passeriformes	0.970325	Parulidae	0.9254349	SBUF	0.8967793	palwar	0.99999917	palwar	0.999999166	45553	0.037308	Y

Table 7: 2024 Fall Acoustic Monitoring Period - Nighthawk Results - Aulds Cove Wind Project

Project # 24-10440

Begin Time (s)	End Time (s)	Low Freq (Hz)	High Freq (Hz)	Order	Prob Order	Family	Prob Family	Group	Prob Group	Species	Prob Species	Predicted Category	Prob	Date	Time	Annotation
123.4	125.2	0	11025	Passeriformes	0.9721485	Parulidae	0.954169	SBUF	0.9373845	palwar	0.9999999	palwar	0.999999881	45553	0.856289	Y
140.4	142.2	0	11025	Passeriformes	0.971781	Parulidae	0.9520199	SBUF	0.9346073	palwar	0.99999964	palwar	0.999999642	45553	0.856486	Y
5.2	6.6	0	11025	Passeriformes	0.9686855	Parulidae	0.93782246	SBUF	0.9113538	palwar	0.99999905	palwar	0.999999046	45553	0.86881	Y
113.2	114.4	0	11025	Passeriformes	0.97171706	Parulidae	0.94509983	SBUF	0.913218	palwar	0.9999982	palwar	0.999998212	45553	0.87006	Y
350.4	352.2	0	11025	Passeriformes	0.97157156	Parulidae	0.9492551	SBUF	0.93532103	palwar	0.9999999	palwar	0.999999881	45554	0.095028	Y
533.2	534.4	0	11025	Passeriformes	0.9697491	Parulidae	0.9266539	SBUF	0.9231859	palwar	0.9999987	palwar	0.999998689	45554	0.956866	Y
483.8	485.6	0	11025	Passeriformes	0.9651276	Parulidae	0.93291444	SBUF	0.9291284	palwar	0.9999988	palwar	0.999998808	45558	0.922961	Y
161.2	162.8	0	11025	Passeriformes	0.96592474	Parulidae	0.95049447	SBUF	0.91894865	palwar	0.99997914	palwar	0.999979138	45560	0.306727	Y
7.2	9	0	11025	Passeriformes	0.969778	Parulidae	0.9448013	SBUF	0.9245326	palwar	0.9999999	palwar	0.999999881	45560	0.859111	Y
415.2	416.6	0	11025	Passeriformes	0.96519786	Parulidae	0.9083687	SBUF	0.8971262	palwar	0.9999894	palwar	0.99998939	45564	0.081889	Y
444.2	445.8	0	11025	Passeriformes	0.9702185	Parulidae	0.9437587	SBUF	0.92408043	palwar	0.9999999	palwar	0.999999881	45567	0.230836	Y
456.8	458.6	0	11025	Passeriformes	0.9669445	Parulidae	0.9397179	SBUF	0.9270968	palwar	0.9999999	palwar	0.999999881	45571	0.933065	Y
467.2	468.4	0	11025	Passeriformes	0.9716328	Parulidae	0.9340541	SBUF	0.914332	palwar	0.99999905	palwar	0.999999046	45571	0.933185	Y
45	47.2	0	11025	Passeriformes	0.97223467	Sittidae	0.98457503			rebnut	0.9981693	rebnut	0.998169303	45527	0.278993	Y
403.6	405.8	0	11025	Passeriformes	0.96558875	Sittidae	0.97534084			rebnut	0.99876203	rebnut	0.987620294	45528	0.295644	Y
419.6	421	0	11025	Passeriformes	0.9718962	Sittidae	0.98443663			rebnut	0.9980586	rebnut	0.998058617	45528	0.295829	Y
500.6	502.4	0	11025	Passeriformes	0.97223747	Sittidae	0.9845755			rebnut	0.99817026	rebnut	0.998170257	45531	0.293294	Y
502.6	504	0	11025	Passeriformes	0.9721656	Sittidae	0.9842114			rebnut	0.9978921	rebnut	0.997892082	45531	0.293317	Y
518.2	519.6	0	11025	Passeriformes	0.9702701	Sittidae	0.9830671			rebnut	0.9973636	rebnut	0.997363627	45531	0.293498	Y
540.6	543	0	11025	Passeriformes	0.9721667	Sittidae	0.9845589			rebnut	0.99815077	rebnut	0.998150766	45531	0.293757	Y
8.8	10.2	0	11025	Passeriformes	0.9604622	Sittidae	0.97086114			rebnut	0.9856418	rebnut	0.985641778	45531	0.301491	Y
21.6	23.4	0	11025	Passeriformes	0.9722198	Sittidae	0.9845712			rebnut	0.9981664	rebnut	0.998166382	45531	0.301639	Y
84.4	85.8	0	11025	Passeriformes	0.9686697	Sittidae	0.98115164			rebnut	0.994364	rebnut	0.994364023	45531	0.302366	Y
380.6	382.6	0	11025	Passeriformes	0.9722096	Sittidae	0.98439837			rebnut	0.9980348	rebnut	0.998034775	45531	0.305794	Y
392	394.4	0	11025	Passeriformes	0.9722324	Sittidae	0.9845709			rebnut	0.99816257	rebnut	0.998162568	45531	0.305926	Y
527.6	530.2	0	11025	Passeriformes	0.9722382	Sittidae	0.98457575			rebnut	0.9981706	rebnut	0.998170614	45539	0.28319	Y
598.2	600	0	11025	Passeriformes	0.9722333	Sittidae	0.9845746			rebnut	0.9981687	rebnut	0.998168707	45539	0.284007	Y
229.8	233.4	0	11025	Passeriformes	0.9559314	Sittidae	0.9808411			rebnut	0.9942872	rebnut	0.994287193	45540	0.292243	Y
10.6	13.8	0	11025	Passeriformes	0.9712157	Sittidae	0.9842427			rebnut	0.9978988	rebnut	0.997898817	45541	0.3029	Y
14	16.2	0	11025	Passeriformes	0.9722322	Sittidae	0.9845723			rebnut	0.9981647	rebnut	0.998164713	45541	0.30294	Y
112	113.4	0	11025	Passeriformes	0.9704315	Sittidae	0.9840337			rebnut	0.99770784	rebnut	0.997707844	45541	0.304074	Y
117.6	119	0	11025	Passeriformes	0.9716418	Sittidae	0.98447096			rebnut	0.9980703	rebnut	0.9980703	45541	0.304139	Y
122.4	123.6	0	11025	Passeriformes	0.87925076	Sittidae	0.9673639			rebnut	0.95337594	rebnut	0.953375936	45541	0.304194	Y
125.8	127.4	0	11025	Passeriformes	0.9594219	Sittidae	0.98324305			rebnut	0.9970438	rebnut	0.997043788	45541	0.304234	Y
22	25.4	0	11025	Passeriformes	0.97203606	Sittidae	0.98455584			rebnut	0.99814725	rebnut	0.998147249	45550	0.290532	Y
436	438	0	11025	Passeriformes	0.97141874	Sittidae	0.9844319			rebnut	0.998054	rebnut	0.998054028	45585	0.333519	Y
463.2	465.2	0	11025	Passeriformes	0.9722287	Sittidae	0.98457474			rebnut	0.9981692	rebnut	0.998169184	45585	0.333833	Y
565	568.4	0	11025	Passeriformes	0.97210824	Sittidae	0.9845359			rebnut	0.99812585	rebnut	0.998125851	45585	0.335012	Y
276.4	278	0	11025	Passeriformes	0.96633166	Cardinalidae	0.9752822	GROS	0.9938205	robgro	0.9963924	robgro	0.996392429	45544	0.883755	Y
63.8	65	0	11025	Passeriformes	0.8729179	Cardinalidae	0.96901065	GROS	0.9870192	robgro	0.99471974	robgro	0.994719744	45546	0.878516	Y
266.6	268.4	0	11025	Passeriformes	0.94720924	Cardinalidae	0.98717797	GROS	0.99617994	robgro	0.9984793	robgro	0.998479307	45547	0.103086	Y
108.2	109.6	0	11025	Passeriformes	0.96775055	Passerellidae	0.99334574	DESP	0.9875422	savspa	0.996268	savspa	0.996267974	45545	0.977641	Y
117.6	119.2	0	11025	Passeriformes	0.9681152	Passerellidae	0.994216	DESP	0.98981875	savspa	0.99728036	savspa	0.997280359	45545	0.97775	Y
115.8	117.6	0	11025	Passeriformes	0.97218263	Passerellidae	0.9955194	DESP	0.99185354	savspa	0.9983758	savspa	0.998375773	45546	0.061063	Y
432.2	434	0	11025	Passeriformes	0.9721472	Passerellidae	0.9953011	DESP	0.99103653	savspa	0.9978969	savspa	0.99789691	45546	0.134169	Y
506.6	508.4	0	11025	Passeriformes	0.9679942	Passerellidae	0.9764678	DESP	0.9665667	savspa	0.97656065	savspa	0.976560652	45546	0.966975	Y
470.4	471.8	0	11025	Passeriformes	0.9719511	Passerellidae	0.99539125	DESP	0.99114215	savspa	0.9791622	savspa	0.979162216	45547	0.895722	Y
43.6	45.4	0	11025	Passeriformes	0.97212505	Passerellidae	0.9954847	DESP	0.9917504	savspa	0.99838734	savspa	0.998387337	45550	0.124116	Y
579	580.8	0	11025	Passeriformes	0.9722191	Passerellidae	0.9955758	DESP	0.99195695	savspa	0.998509	savspa	0.99850899	45550	0.130313	Y
205.6	207.4	0	11025	Passeriformes	0.9722253	Passerellidae	0.9955715	DESP	0.99196965	savspa	0.9983724	savspa	0.998372376	45550	0.13988	Y
425	426.8	0	11025	Passeriformes	0.9720934	Passerellidae	0.99509	DESP	0.9904454	savspa	0.9969591	savspa	0.99695909	45550	0.142419	Y
270	271.4	0	11025	Passeriformes	0.9713002	Passerellidae	0.9950936	DESP	0.9867676	savspa	0.9925666	savspa	0.992566586	45550	0.154514	Y
461.2	463	0	11025	Passeriformes	0.97206795	Passerellidae	0.9952775	DESP	0.98937595	savspa	0.993327	savspa	0.993327022	45550	0.170616	Y

Table 7: 2024 Fall Acoustic Monitoring Period - Nighthawk Results - Aulds Cove Wind Project

Project # 24-10440

Begin Time (s)	End Time (s)	Low Freq (Hz)	High Freq (Hz)	Order	Prob Order	Family	Prob Family	Group	Prob Group	Species	Prob Species	Predicted Category	Prob	Date	Time	Annotation
574	575.6	0	11025	Passeriformes	0.9697992	Passerellidae	0.99476177	DESP	0.98999107	savspa	0.99025214	savspa	0.990252137	45550	0.18581	Y
301.8	303.4	0	11025	Passeriformes	0.97160137	Passerellidae	0.9950847	DESP	0.9891565	savspa	0.9878578	savspa	0.987857819	45550	0.210438	Y
471.4	473.2	0	11025	Passeriformes	0.9722348	Passerellidae	0.9955059	DESP	0.9917828	savspa	0.9984263	savspa	0.998426318	45550	0.254067	Y
572.6	574.2	0	11025	Passeriformes	0.97108895	Passerellidae	0.9893734	DESP	0.96593505	savspa	0.8262078	savspa	0.826207817	45550	0.255238	Y
155.6	157	0	11025	Passeriformes	0.97010034	Passerellidae	0.99402076	DESP	0.98389995	savspa	0.9819534	savspa	0.981953382	45553	0.870551	Y
156.8	158.6	0	11025	Passeriformes	0.9721152	Passerellidae	0.99542856	DESP	0.98821837	savspa	0.9857269	savspa	0.985726893	45560	0.860843	Y
100.2	101.8	0	11025	Charadriiformes	0.9802387	Charadriidae	0.9995927			semplo	0.9433303	semplo	0.943330288	45532	0.287271	Y
319.2	321	0	11025	Charadriiformes	0.9808779	Charadriidae	0.99961877			semplo	0.9760507	semplo	0.976050675	45538	0.101611	Y
222.6	224.4	0	11025	Charadriiformes	0.981478	Scolopacidae	0.99571335			shbdow	0.99995494	shbdow	0.999954939	45530	0.956743	Y
226.8	228.6	0	11025	Charadriiformes	0.9814539	Scolopacidae	0.99570024			shbdow	0.9999567	shbdow	0.999956727	45530	0.956792	Y
228.8	230.6	0	11025	Charadriiformes	0.9813685	Scolopacidae	0.99566686			shbdow	0.9999486	shbdow	0.999948621	45530	0.956815	Y
235	236.8	0	11025	Charadriiformes	0.98106784	Scolopacidae	0.99554837			shbdow	0.9998754	shbdow	0.999875426	45530	0.956887	Y
151.4	152.8	0	11025	Charadriiformes	0.98077834	Scolopacidae	0.9956116			solsan	0.9750718	solsan	0.975071788	45529	0.236475	Y
243	244.6	0	11025	Charadriiformes	0.9814563	Scolopacidae	0.9957131			solsan	0.97603613	solsan	0.976036131	45550	0.251424	Y
268.4	270	0	11025	Charadriiformes	0.9807522	Scolopacidae	0.99550784			solsan	0.9629154	solsan	0.962915421	45550	0.251718	Y
274	275.6	0	11025	Charadriiformes	0.9814392	Scolopacidae	0.9957088			solsan	0.9751899	solsan	0.975189924	45550	0.251782	Y
278.4	280	0	11025	Charadriiformes	0.9813525	Scolopacidae	0.99569124			solsan	0.9740598	solsan	0.97405982	45550	0.251833	Y
280.4	282.2	0	11025	Charadriiformes	0.98148525	Scolopacidae	0.99572694			solsan	0.97583133	solsan	0.97583133	45550	0.251856	Y
292.8	294	0	11025	Charadriiformes	0.9800504	Scolopacidae	0.9951912			solsan	0.92303705	solsan	0.923037052	45550	0.252	Y
294.4	295.8	0	11025	Charadriiformes	0.9804364	Scolopacidae	0.99544686			solsan	0.94661695	solsan	0.946616948	45550	0.252019	Y
297.8	299.6	0	11025	Charadriiformes	0.9809428	Scolopacidae	0.99556184			solsan	0.96978533	solsan	0.969785333	45550	0.252058	Y
53.8	55.6	0	11025	Charadriiformes	0.98074806	Scolopacidae	0.9955056			sposan	0.99916255	sposan	0.999162555	45526	0.945762	Y
492.8	494.8	0	11025	Charadriiformes	0.98146826	Scolopacidae	0.9956886			sposan	0.99954337	sposan	0.999543369	45527	0.214731	Y
158.4	159.6	0	11025	Charadriiformes	0.97191715	Scolopacidae	0.9769034			sposan	0.9756015	sposan	0.975601494	45529	0.292111	Y
194.2	195.4	0	11025	Charadriiformes	0.97289	Scolopacidae	0.99048764			sposan	0.9954289	sposan	0.99542892	45529	0.292525	Y
425.6	428.2	0	11025	Charadriiformes	0.9814757	Scolopacidae	0.9956949			sposan	0.99952316	sposan	0.999523163	45532	0.12437	Y
327.2	328.6	0	11025	Charadriiformes	0.9729076	Scolopacidae	0.9929876			sposan	0.9574311	sposan	0.957431078	45544	0.967676	Y
29.2	31	0	11025	Charadriiformes	0.98073995	Scolopacidae	0.99518883			sposan	0.9986104	sposan	0.998610377	45545	0.200338	Y
549	550.4	0	11025	Charadriiformes	0.9779625	Scolopacidae	0.99402434			sposan	0.99606967	sposan	0.99606967	45545	0.857743	Y
555.6	557.2	0	11025	Charadriiformes	0.979007	Scolopacidae	0.9948084			sposan	0.99860567	sposan	0.998605669	45545	0.857819	Y
575	576.8	0	11025	Charadriiformes	0.98032707	Scolopacidae	0.99519217			sposan	0.9991215	sposan	0.999121487	45545	0.858044	Y
527.2	528.8	0	11025	Charadriiformes	0.97930384	Scolopacidae	0.9946174			sposan	0.9993311	sposan	0.999331117	45552	0.903324	Y
485.8	487.6	0	11025	Passeriformes	0.97071475	Turdidae	0.95755106	THSH	0.94484395	swathr	0.879465	swathr	0.879464984	45527	0.921595	Y
181	182.6	0	11025	Passeriformes	0.9715859	Turdidae	0.9588036	THSH	0.9458077	swathr	0.852116	swathr	0.852115989	45528	0.0014	Y
366.8	368.4	0	11025	Passeriformes	0.97091955	Turdidae	0.95817727	THSH	0.94531465	swathr	0.8832003	swathr	0.883200288	45529	0.225079	Y
381.4	383.2	0	11025	Passeriformes	0.9722005	Turdidae	0.95980495	THSH	0.947175	swathr	0.8866249	swathr	0.886624873	45529	0.225248	Y
394.6	396.2	0	11025	Passeriformes	0.9713538	Turdidae	0.9592092	THSH	0.9465298	swathr	0.8846701	swathr	0.884670079	45529	0.2254	Y
408.4	410	0	11025	Passeriformes	0.9705356	Turdidae	0.9578162	THSH	0.9448262	swathr	0.8808262	swathr	0.880826175	45529	0.22556	Y
589.6	591.2	0	11025	Passeriformes	0.96290326	Turdidae	0.94396293	THSH	0.9274347	swathr	0.837028	swathr	0.837028027	45529	0.227657	Y
102.8	104.2	0	11025	Passeriformes	0.9715073	Turdidae	0.9582139	THSH	0.9445953	swathr	0.86052465	swathr	0.860524654	45553	0.856051	Y
65	66.6	0	11025	Passeriformes	0.96963453	Turdidae	0.9467476	THSH	0.92872703	veery	0.98500466	veery	0.985004663	45525	0.94728	Y
115.4	117.2	0	11025	Passeriformes	0.971882	Turdidae	0.9572945	THSH	0.9421293	veery	0.9937058	veery	0.993705809	45525	0.947863	Y
161	162.6	0	11025	Passeriformes	0.97161	Turdidae	0.9563938	THSH	0.9417223	veery	0.98851043	veery	0.98851043	45525	0.948391	Y
207.2	209	0	11025	Passeriformes	0.9721308	Turdidae	0.95004183	THSH	0.9314591	veery	0.9831645	veery	0.983164489	45526	0.087815	Y
101.4	103	0	11025	Passeriformes	0.9718075	Turdidae	0.95621616	THSH	0.94098645	veery	0.9833409	veery	0.983340919	45528	0.028257	Y
368.6	370	0	11025	Passeriformes	0.9696399	Turdidae	0.95508194	THSH	0.93700445	veery	0.97979593	veery	0.979795933	45529	0.807044	Y
345.2	347	0	11025	Passeriformes	0.96555704	Turdidae	0.9467752	THSH	0.9197892	veery	0.9849583	veery	0.984958291	45530	0.084551	Y
14.8	16.4	0	11025	Passeriformes	0.9721514	Turdidae	0.9513906	THSH	0.93557054	veery	0.98026156	veery	0.980261564	45531	0.218227	Y
419.8	421.2	0	11025	Passeriformes	0.963843	Turdidae	0.93224406	THSH	0.90198904	veery	0.9912874	veery	0.99128741	45534	0.233331	Y
23.8	25.4	0	11025	Passeriformes	0.9719497	Turdidae	0.95692444	THSH	0.9408498	veery	0.9663607	veery	0.966360688	45534	0.880137	Y
374.4	376	0	11025	Passeriformes	0.9704195	Turdidae	0.9546635	THSH	0.93616295	veery	0.98267543	veery	0.982675433	45537	0.034194	Y
164.4	166	0	11025	Passeriformes	0.9721258	Turdidae	0.95798534	THSH	0.9430649	veery	0.9940631	veery	0.994063079	45538	0.224819	Y
179.4	181.2	0	11025	Passeriformes	0.9720958	Turdidae	0.95752394	THSH	0.9434749	veery	0.99426126	veery	0.994261265	45538	0.224993	Y

Table 7: 2024 Fall Acoustic Monitoring Period - Nighthawk Results - Aulds Cove Wind Project

Project # 24-10440

Begin Time (s)	End Time (s)	Low Freq (Hz)	High Freq (Hz)	Order	Prob Order	Family	Prob Family	Group	Prob Group	Species	Prob Species	Predicted Category	Prob	Date	Time	Annotation
212.2	213.8	0	11025	Passeriformes	0.9712478	Turdidae	0.95364875	THSH	0.9306307	veery	0.9927006	veery	0.992700577	45539	0.237873	Y
223	224.6	0	11025	Passeriformes	0.9717461	Turdidae	0.95766217	THSH	0.9426883	veery	0.994207	veery	0.994207025	45539	0.237998	Y
227.2	229	0	11025	Passeriformes	0.9721071	Turdidae	0.95782834	THSH	0.94404984	veery	0.98968714	veery	0.989687145	45539	0.238046	Y
232	233.8	0	11025	Passeriformes	0.9715091	Turdidae	0.90217936	THSH	0.8558894	veery	0.99175817	veery	0.991758168	45539	0.238102	Y
239.4	240.8	0	11025	Passeriformes	0.97179043	Turdidae	0.9540346	THSH	0.93604994	veery	0.9910563	veery	0.991056323	45539	0.238188	Y
250.4	252	0	11025	Passeriformes	0.97183526	Turdidae	0.9581057	THSH	0.943858	veery	0.9924629	veery	0.992462873	45539	0.238315	Y
255.2	256.6	0	11025	Passeriformes	0.97094494	Turdidae	0.9480495	THSH	0.92854947	veery	0.9918001	veery	0.991800129	45540	0.916843	Y
124	125.8	0	11025	Passeriformes	0.9683936	Turdidae	0.9460664	THSH	0.92060214	veery	0.9903036	veery	0.990303576	45544	0.300046	Y
584.2	585.4	0	11025	Passeriformes	0.9715992	Passerellidae	0.994909	SFHS	0.98684156	whtspa	0.9598404	whtspa	0.959840417	45526	0.258845	Y
503	504.8	0	11025	Passeriformes	0.9721389	Passerellidae	0.9952291	SFHS	0.98660827	whtspa	0.9897455	whtspa	0.989745498	45526	0.257905	Y
527.6	529.8	0	11025	Passeriformes	0.9720862	Passerellidae	0.9954791	SFHS	0.98886263	whtspa	0.9911829	whtspa	0.991182923	45526	0.25819	Y
239	240.4	0	11025	Passeriformes	0.9694751	Passerellidae	0.9934121	SFHS	0.969587	whtspa	0.94483566	whtspa	0.944835663	45529	0.293044	Y
447.4	449.2	0	11025	Passeriformes	0.97222114	Passerellidae	0.99555874	SFHS	0.99013966	whtspa	0.99807644	whtspa	0.998076439	45529	0.295456	Y
455.6	457.2	0	11025	Passeriformes	0.97220236	Passerellidae	0.9954946	SFHS	0.98994523	whtspa	0.99739826	whtspa	0.997398257	45529	0.295551	Y
458.6	460	0	11025	Passeriformes	0.972225	Passerellidae	0.99550784	SFHS	0.99004173	whtspa	0.9942187	whtspa	0.994218707	45529	0.295586	Y
482.2	484	0	11025	Passeriformes	0.972204	Passerellidae	0.9955433	SFHS	0.98988265	whtspa	0.99599826	whtspa	0.995998263	45529	0.295859	Y
496.2	497.6	0	11025	Passeriformes	0.97200394	Passerellidae	0.9953961	SFHS	0.9895996	whtspa	0.9960891	whtspa	0.996089101	45529	0.296021	Y
227.4	229.2	0	11025	Passeriformes	0.9692468	Passerellidae	0.9941147	SFHS	0.98604405	whtspa	0.9965616	whtspa	0.996561587	45554	0.91166	Y
14.8	16.4	0	11025	Passeriformes	0.9692793	Passerellidae	0.9947908	SFHS	0.9862228	whtspa	0.9965306	whtspa	0.996530592	45555	0.27031	Y
387.8	389	0	11025	Passeriformes	0.9628211	Passerellidae	0.9882278	SFHS	0.9814154	whtspa	0.9959912	whtspa	0.99599117	45566	0.328794	Y
60.2	62	0	11025	Passeriformes	0.9718846	Passerellidae	0.9951964	SFHS	0.98946637	whtspa	0.99829656	whtspa	0.998296559	45567	0.891669	Y
313.6	315.4	0	11025	Passeriformes	0.9720889	Passerellidae	0.9954521	SFHS	0.9895622	whtspa	0.998168	whtspa	0.998167992	45568	0.311269	Y
298.4	300.2	0	11025	Passeriformes	0.9721681	Passerellidae	0.99552554	SFHS	0.989953	whtspa	0.9983169	whtspa	0.998316884	45569	0.268731	Y
469.2	471	0	11025	Passeriformes	0.97214293	Passerellidae	0.99554116	SFHS	0.99001825	whtspa	0.99718493	whtspa	0.997184932	45570	0.310986	Y
1.4	4.4	0	11025	Passeriformes	0.9721672	Passerellidae	0.9955361	SFHS	0.9899142	whtspa	0.9978829	whtspa	0.997882903	45571	0.012516	Y
85.6	87.2	0	11025	Passeriformes	0.97209567	Passerellidae	0.9954952	SFHS	0.9897674	whtspa	0.99846554	whtspa	0.998465538	45576	0.769741	Y
97	98.6	0	11025	Passeriformes	0.9721914	Passerellidae	0.99555224	SFHS	0.9901007	whtspa	0.9984086	whtspa	0.998408616	45576	0.769873	Y
119.2	121	0	11025	Passeriformes	0.97221786	Passerellidae	0.99556845	SFHS	0.9900877	whtspa	0.9984988	whtspa	0.998498797	45576	0.77013	Y
139	140.8	0	11025	Passeriformes	0.97049135	Passerellidae	0.99508435	SFHS	0.9889882	whtspa	0.9979291	whtspa	0.997929096	45576	0.770359	Y
63.4	64.8	0	11025	Passeriformes	0.97211343	Passerellidae	0.99553645	SFHS	0.9898621	whtspa	0.99259996	whtspa	0.992599964	45576	0.783373	Y
76.2	79.6	0	11025	Passeriformes	0.97221416	Passerellidae	0.99556524	SFHS	0.9901354	whtspa	0.99853325	whtspa	0.998533249	45576	0.783521	Y
98.4	99.8	0	11025	Passeriformes	0.9722315	Passerellidae	0.99557805	SFHS	0.9901376	whtspa	0.89034045	whtspa	0.890340447	45576	0.783778	Y
112.4	113.8	0	11025	Passeriformes	0.9721481	Passerellidae	0.99551815	SFHS	0.9898023	whtspa	0.99721813	whtspa	0.997218132	45576	0.78394	Y
128.4	130	0	11025	Passeriformes	0.9719945	Passerellidae	0.9954497	SFHS	0.9888544	whtspa	0.9974927	whtspa	0.997492671	45576	0.784125	Y
238.4	240	0	11025	Passeriformes	0.97221464	Passerellidae	0.99553984	SFHS	0.9900845	whtspa	0.99840695	whtspa	0.998406947	45586	0.302065	Y
259	260.8	0	11025	Passeriformes	0.9716912	Passerellidae	0.99503195	SFHS	0.9869443	whtspa	0.99743456	whtspa	0.997434556	45586	0.302303	Y
267.6	269.4	0	11025	Passeriformes	0.96990526	Passerellidae	0.9950676	SFHS	0.9875897	whtspa	0.9976418	whtspa	0.997641802	45586	0.302403	Y
381.2	382.8	0	11025	Passeriformes	0.96349627	Passerellidae	0.99328184	SFHS	0.9861589	whtspa	0.9962823	whtspa	0.996282279	45586	0.303718	Y
393.4	395.2	0	11025	Passeriformes	0.9717676	Passerellidae	0.99536777	SFHS	0.9894126	whtspa	0.99752575	whtspa	0.997525752	45586	0.303859	Y
300.8	302.4	0	11025	Passeriformes	0.96723133	Parulidae	0.93771696			wlswar	0.9460256	wlswar	0.94602561	45528	0.960426	Y
211.2	213	0	11025	Passeriformes	0.9710151	Parulidae	0.9524639			wlswar	0.99299353	wlswar	0.992993534	45533	0.953139	Y

Table 8: 2025 Spring Acoustic Monitoring Period - Nighthawk Results - Aulds Cove Wind Project

Project # 24-10440

Begin Time (s)	End Time (s)	Low Freq (Hz)	High Freq (Hz)	Order	Prob_Order	Family	Prob_Family	Group	Prob_Group	Species	Prob_Species	Predicted_Category	Prob	Date	Time	Annotation
558.2	560	0	11025	Passeriformes	0.97204065	Parulidae	0.95593494			amered	0.90257578	amered	0.902575791	2025-05-16	19:18.2	Y
541	542.8	0	11025	Passeriformes	0.97212034	Parulidae	0.956392			amered	0.90012926	amered	0.900129259	2025-05-20	25:01.0	Y
538	539.6	0	11025	Passeriformes	0.97089934	Parulidae	0.95558393			amered	0.90260154	amered	0.90260154	2025-05-27	11:58.0	Y
461.2	462.6	0	11025	Passeriformes	0.9710251	Parulidae	0.9545986			amered	0.89177525	amered	0.89177525	2025-05-27	30:41.2	Y
161.6	163.4	0	11025	Passeriformes	0.9717937	Parulidae	0.9560733			amered	0.8919931	amered	0.891993105	2025-05-28	25:41.6	Y
589.8	591.6	0	11025	Passeriformes	0.9721726	Parulidae	0.9563624			amered	0.90298027	amered	0.902980268	2025-05-29	14:49.8	Y
127.8	129.4	0	11025	Passeriformes	0.9722039	Parulidae	0.9564678			amered	0.90320075	amered	0.903200746	2025-05-30	07:07.8	Y
382	383.6	0	11025	Passeriformes	0.94218093	Parulidae	0.94552404			amered	0.8461269	amered	0.846126914	2025-05-30	11:22.0	Y
107.6	109.2	0	11025	Passeriformes	0.97124994	Parulidae	0.9562604			amered	0.90010655	amered	0.900106549	2025-05-31	27:47.6	Y
137.4	138.6	0	11025	Passeriformes	0.9613618	Parulidae	0.95287865			amered	0.85926914	amered	0.859269142	2025-05-31	28:17.4	Y
71.2	73	0	11025	Passeriformes	0.9722076	Parulidae	0.95648015			amered	0.90310866	amered	0.903108656	2025-05-31	07:11.2	Y
118	119.8	0	11025	Passeriformes	0.9710504	Parulidae	0.95587426			amered	0.90161115	amered	0.901611149	2025-05-31	07:58.0	Y
153	154.8	0	11025	Passeriformes	0.9722353	Parulidae	0.9564668			bawwar	0.9999999	bawwar	0.999999881	2025-05-13	49:33.0	Y
383.6	385.4	0	11025	Passeriformes	0.97209585	Parulidae	0.95636725			bawwar	0.9999939	bawwar	0.99999392	2025-05-15	15:23.6	Y
67	68.8	0	11025	Passeriformes	0.9722343	Parulidae	0.95647955			bawwar	0.9999931	bawwar	0.999993086	2025-05-27	44:07.0	Y
186.6	188.4	0	11025	Passeriformes	0.97199327	Parulidae	0.9553599			bawwar	0.9999945	bawwar	0.999994516	2025-05-30	28:06.6	Y
325.8	327.6	0	11025	Passeriformes	0.9721977	Parulidae	0.956127			canwar	0.9976278	canwar	0.997627795	2025-05-27	48:25.8	Y
480	481.8	0	11025	Passeriformes	0.9720622	Parulidae	0.9561705			canwar	0.9946537	canwar	0.994653702	2025-05-30	53:00.0	Y
353.2	355	0	11025	Passeriformes	0.97210544	Parulidae	0.9558152	BZWA	0.98316413	chswar	0.9651891	chswar	0.965189099	2025-05-27	08:53.2	Y
555	556.4	0	11025	Passeriformes	0.9704972	Parulidae	0.95307136	BZWA	0.9810559	chswar	0.9242083	chswar	0.924208283	2025-05-27	12:15.0	Y
208.8	210.2	0	11025	Passeriformes	0.97212964	Parulidae	0.9548015	BZWA	0.9824076	comyel	0.99999094	comyel	0.99999094	2025-05-27	26:28.8	Y
436.8	438.6	0	11025	Passeriformes	0.9721896	Parulidae	0.95638096	BZWA	0.9831881	comyel	0.9999999	comyel	0.999999881	2025-05-28	10:16.8	Y
86	87.8	0	11025	Passeriformes	0.97218823	Parulidae	0.9561429	BZWA	0.9832234	comyel	0.9999999	comyel	0.999999881	2025-05-30	26:26.0	Y
493.8	495.6	0	11025	Passeriformes	0.9720989	Parulidae	0.9555395	BZWA	0.98278123	comyel	0.9999999	comyel	0.999999881	2025-05-30	53:13.8	Y
194	195.6	0	11025	Passeriformes	0.9721505	Parulidae	0.9561343	BZWA	0.9799825	comyel	0.999984	comyel	0.999984026	2025-05-30	08:14.0	Y
401.8	403.4	0	11025	Passeriformes	0.9707864	Parulidae	0.9529824	BZWA	0.92342645	comyel	0.999892	comyel	0.999891996	2025-05-30	11:41.8	Y
256	257.2	0	11025	Passeriformes	0.96178335	Passerellidae	0.99141276			daejun	0.9931839	daejun	0.993183911	2025-05-16	54:16.0	Y
17.4	18.8	0	11025	Passeriformes	0.97219163	Parulidae	0.95446306	DEWA	0.9999889	norpar	0.99985874	norpar	0.999858737	2025-05-15	29:17.4	Y
573	574.4	0	11025	Passeriformes	0.972007	Parulidae	0.95368475	DEWA	0.9999838	norpar	0.999899	norpar	0.99989903	2025-05-15	58:33.0	Y
85	86.8	0	11025	Passeriformes	0.9688395	Parulidae	0.93855035	DEWA	0.999944	norpar	0.99845135	norpar	0.998451352	2025-05-28	44:25.0	Y
539.2	541	0	11025	Passeriformes	0.9722058	Parulidae	0.95631623	SBUF	0.94145554	ovenbi1	0.9860946	ovenbi1	0.986094594	2025-05-13	55:59.2	Y
407.6	409.4	0	11025	Passeriformes	0.9722198	Parulidae	0.95616734	SBUF	0.9413007	ovenbi1	0.98229754	ovenbi1	0.98229754	2025-05-13	13:47.6	Y
579.2	580.6	0	11025	Passeriformes	0.972099	Parulidae	0.95618916	SBUF	0.93614393	ovenbi1	0.9266689	ovenbi1	0.926668882	2025-05-14	58:39.2	Y
338.8	340.6	0	11025	Passeriformes	0.9722024	Parulidae	0.9557648	SBUF	0.9378756	ovenbi1	0.9805753	ovenbi1	0.980575323	2025-05-15	14:38.8	Y
206.2	207.8	0	11025	Passeriformes	0.97216856	Parulidae	0.9546629	SBUF	0.9357783	ovenbi1	0.8478086	ovenbi1	0.847808599	2025-05-15	32:26.2	Y
321.2	322.4	0	11025	Passeriformes	0.9707252	Parulidae	0.9544044	SBUF	0.89539975	ovenbi1	0.9330679	ovenbi1	0.933067918	2025-05-16	15:21.2	Y
157.4	159	0	11025	Passeriformes	0.9721542	Parulidae	0.9561692	SBUF	0.93619335	ovenbi1	0.96865696	ovenbi1	0.968656957	2025-05-16	32:37.4	Y
389	390.6	0	11025	Passeriformes	0.9718242	Parulidae	0.9556952	SBUF	0.93616873	ovenbi1	0.9715987	ovenbi1	0.971598685	2025-05-16	56:29.0	Y
2.8	4.6	0	11025	Passeriformes	0.9721905	Parulidae	0.95617104	SBUF	0.94113874	ovenbi1	0.9807523	ovenbi1	0.980752289	2025-05-16	10:02.8	Y
452.8	454.4	0	11025	Passeriformes	0.97219515	Parulidae	0.95599437	SBUF	0.9252893	ovenbi1	0.9623383	ovenbi1	0.962338328	2025-05-16	17:32.8	Y
495.6	497.4	0	11025	Passeriformes	0.97206837	Parulidae	0.95619893	SBUF	0.9396111	ovenbi1	0.9630434	ovenbi1	0.963043392	2025-05-16	18:15.6	Y
234.6	236.4	0	11025	Passeriformes	0.9721788	Parulidae	0.95624363	SBUF	0.9376627	ovenbi1	0.9828104	ovenbi1	0.982810378	2025-05-16	13:54.6	Y
457.6	459.4	0	11025	Passeriformes	0.9722316	Parulidae	0.9564619	SBUF	0.94044095	ovenbi1	0.9822923	ovenbi1	0.982292295	2025-05-24	07:37.6	Y
395.2	397.8	0	11025	Passeriformes	0.97208077	Parulidae	0.95515144	SBUF	0.9310001	ovenbi1	0.98197377	ovenbi1	0.981973767	2025-05-28	29:35.2	Y
370	371.4	0	11025	Passeriformes	0.9721996	Passerellidae	0.9954554	DESP	0.991825	savspa	0.99842536	savspa	0.998425364	2025-04-24	49:10.0	Y
411.4	413.2	0	11025	Passeriformes	0.9718231	Passerellidae	0.9953088	DESP	0.9895522	savspa	0.99518484	savspa	0.995184839	2025-04-26	51:51.4	Y
168.2	170	0	11025	Passeriformes	0.9717691	Passerellidae	0.9950736	DESP	0.9886497	savspa	0.995193	savspa	0.995193005	2025-04-30	52:48.2	Y
266.6	268.4	0	11025	Passeriformes	0.9721754	Passerellidae	0.9954796	DESP	0.99178845	savspa	0.99804246	savspa	0.998042464	2025-04-30	34:26.6	Y
560.6	562.4	0	11025	Passeriformes	0.9721761	Passerellidae	0.9955136	DESP	0.99117166	savspa	0.9979284	savspa	0.997928381	2025-05-01	42:20.6	Y
223	224.8	0	11025	Passeriformes	0.97212934	Passerellidae	0.9955112	DESP	0.99185693	savspa	0.99837375	savspa	0.998373747	2025-05-02	56:43.0	Y
221.6	222.8	0	11025	Passeriformes	0.9711348	Passerellidae	0.99491537	DESP	0.9894037	savspa	0.9974197	savspa	0.997419715	2025-05-03	19:41.6	Y
539.8	541.2	0	11025	Passeriformes	0.96657413	Passerellidae	0.9892424	DESP	0.97926474	savspa	0.98157275	savspa	0.981572747	2025-05-05	45:59.8	Y
352	353.6	0	11025	Passeriformes	0.9640398	Passerellidae	0.98660463	DESP	0.9644029	savspa	0.9775818	savspa	0.977581799	2025-05-12	52:52.0	Y

Table 8: 2025 Spring Acoustic Monitoring Period - Nighthawk Results - Aulds Cove Wind Project

Begin Time (s)	End Time (s)	Low Freq (Hz)	High Freq (Hz)	Order	Prob_Order	Family	Prob_Family	Group	Prob_Group	Species	Prob_Species	Predicted_Category	Prob	Date	Time	Annotation
287.8	289.4	0	11025	Passeriformes	0.97197837	Passerellidae	0.99431497	DESP	0.98776954	savspa	0.9946213	savspa	0.994621277	2025-05-13	11:47.8	Y
89	90.8	0	11025	Passeriformes	0.9722037	Passerellidae	0.9955636	DESP	0.99194884	savspa	0.9984773	savspa	0.99847728	2025-05-13	48:29.0	Y
81.8	83.6	0	11025	Passeriformes	0.9721095	Passerellidae	0.99550915	DESP	0.9917006	savspa	0.99654275	savspa	0.996542752	2025-05-13	48:21.8	Y
535.2	537	0	11025	Passeriformes	0.9702848	Passerellidae	0.99464875	DESP	0.9890605	savspa	0.9950682	savspa	0.995068192	2025-05-13	16:55.2	Y
328.2	329.8	0	11025	Passeriformes	0.97144777	Passerellidae	0.994899	DESP	0.9907024	savspa	0.99802196	savspa	0.99802196	2025-05-13	33:28.2	Y
212.4	213.8	0	11025	Passeriformes	0.97090125	Passerellidae	0.9912458	DESP	0.9862066	savspa	0.9943798	savspa	0.994379818	2025-05-16	54:32.4	Y
110.2	111.8	0	11025	Charadriiformes	0.9811226	Scolopacidae	0.9952964			sposan	0.99491775	sposan	0.99491775	2025-05-13	48:50.2	Y
239.6	241.2	0	11025	Charadriiformes	0.98093385	Scolopacidae	0.9952786			sposan	0.999164	sposan	0.999163985	2025-05-14	52:59.6	Y
494.4	495.6	0	11025	Charadriiformes	0.97576433	Scolopacidae	0.9940566			sposan	0.99794513	sposan	0.99794513	2025-05-16	38:14.4	Y
326.4	327.8	0	11025	Passeriformes	0.9710525	Passerellidae	0.9943023	SFHS	0.9856317	whtspa	0.99378926	whtspa	0.993789256	2025-04-24	48:26.4	Y
387.2	389	0	11025	Passeriformes	0.97103924	Passerellidae	0.995152	SFHS	0.98853743	whtspa	0.9941303	whtspa	0.994130313	2025-04-26	51:27.2	Y
213.2	215	0	11025	Passeriformes	0.97209823	Passerellidae	0.9955449	SFHS	0.99004817	whtspa	0.99852604	whtspa	0.998526037	2025-05-01	36:33.2	Y
216.2	217.4	0	11025	Passeriformes	0.97184664	Passerellidae	0.9954052	SFHS	0.98923445	whtspa	0.9652022	whtspa	0.965202212	2025-05-01	36:36.2	Y
247.6	249.4	0	11025	Passeriformes	0.97089875	Passerellidae	0.9944694	SFHS	0.98627067	whtspa	0.9967686	whtspa	0.996768594	2025-05-01	37:07.6	Y
46	47.6	0	11025	Passeriformes	0.97141176	Passerellidae	0.9952708	SFHS	0.9895219	whtspa	0.9981325	whtspa	0.998132527	2025-05-02	13:46.0	Y
49.8	51.6	0	11025	Passeriformes	0.960984	Passerellidae	0.9922909	SFHS	0.98565835	whtspa	0.9973954	whtspa	0.997395396	2025-05-02	13:49.8	Y
109.6	111.2	0	11025	Passeriformes	0.97214997	Passerellidae	0.9955384	SFHS	0.9899182	whtspa	0.9983253	whtspa	0.998325288	2025-05-02	14:49.6	Y
112.4	113.6	0	11025	Passeriformes	0.9698561	Passerellidae	0.9944559	SFHS	0.9796839	whtspa	0.9912083	whtspa	0.991208315	2025-05-02	14:52.4	Y
115.8	117.2	0	11025	Passeriformes	0.96487534	Passerellidae	0.9927147	SFHS	0.98197144	whtspa	0.9922645	whtspa	0.992264509	2025-05-02	14:55.8	Y
305.4	307.2	0	11025	Passeriformes	0.9721963	Passerellidae	0.99554175	SFHS	0.9901087	whtspa	0.9985405	whtspa	0.998540521	2025-05-02	18:05.4	Y
307.4	309.2	0	11025	Passeriformes	0.9721049	Passerellidae	0.9954739	SFHS	0.98998195	whtspa	0.99853194	whtspa	0.998531938	2025-05-02	18:07.4	Y
310	313.2	0	11025	Passeriformes	0.97090054	Passerellidae	0.9948631	SFHS	0.9882107	whtspa	0.99793506	whtspa	0.997935057	2025-05-02	18:10.0	Y
338.4	340.2	0	11025	Passeriformes	0.97208786	Passerellidae	0.9951024	SFHS	0.9890216	whtspa	0.9982141	whtspa	0.998214126	2025-05-02	18:38.4	Y
456.8	458.6	0	11025	Passeriformes	0.9615116	Passerellidae	0.9924305	SFHS	0.985038	whtspa	0.9966839	whtspa	0.996683896	2025-05-02	20:36.8	Y
458.8	460.4	0	11025	Passeriformes	0.9718398	Passerellidae	0.99544734	SFHS	0.9900046	whtspa	0.99758315	whtspa	0.997583151	2025-05-02	20:38.8	Y
464.2	466	0	11025	Passeriformes	0.9721015	Passerellidae	0.9954992	SFHS	0.9899873	whtspa	0.9952369	whtspa	0.995236874	2025-05-02	20:44.2	Y
50.8	52.6	0	11025	Passeriformes	0.9722205	Passerellidae	0.99557436	SFHS	0.9901517	whtspa	0.9984285	whtspa	0.998428524	2025-05-02	53:50.8	Y
255	256.4	0	11025	Passeriformes	0.9683083	Passerellidae	0.99117285	SFHS	0.9747463	whtspa	0.992857	whtspa	0.992856979	2025-05-05	21:15.0	Y
341.4	342.6	0	11025	Passeriformes	0.9645501	Passerellidae	0.99073607	SFHS	0.97135913	whtspa	0.9710497	whtspa	0.971049726	2025-05-05	22:41.4	Y
483.6	485.4	0	11025	Passeriformes	0.97153634	Passerellidae	0.99539584	SFHS	0.9895209	whtspa	0.9981735	whtspa	0.998173475	2025-05-05	25:03.6	Y
98.4	100.2	0	11025	Passeriformes	0.97218394	Passerellidae	0.99551094	SFHS	0.99007833	whtspa	0.998574	whtspa	0.998574018	2025-05-13	48:38.4	Y
102.8	104.2	0	11025	Passeriformes	0.9704551	Passerellidae	0.99322987	SFHS	0.95285875	whtspa	0.9908737	whtspa	0.990873694	2025-05-18	34:42.8	Y
580	581.6	0	11025	Passeriformes	0.94015235	Passerellidae	0.9848038	SFHS	0.93053764	whtspa	0.97182095	whtspa	0.971820951	2025-05-18	43:40.0	Y

Table 9: 2025 Summer Acoustic Monitoring Period - Nighthawk Results - Aulds Cove Wind Project

Begin Time (s)	End Time (s)	Low Freq (Hz)	High Freq (Hz)	Order	Prob_Order	Family	Prob_Family	Group	Prob_Group	Species	Prob_Species	Predicted_Category	Prob	Date	Time	Annotation
127.6	129.2	0	11025	Passeriformes	0.97109115	Parulidae	0.95364016	SBUF	0.92277503	ovenbi1	0.96994597	ovenbi1	0.969946	2025-06-12	10:17:08 PM	Y
488	489.8	0	11025	Passeriformes	0.9715683	Passerellidae	0.9951249	SFHS	0.9890026	whtspa	0.99792993	whtspa	0.9979299	2025-06-13	3:43:08 AM	Y
2.6	4.4	0	11025	Passeriformes	0.9719259	Passerellidae	0.9952324	DESP	0.9864633	savspa	0.995053	savspa	0.995053	2025-07-02	11:38:03 PM	Y
314.6	316	0	11025	Charadriiformes	0.97356725	Scolopacidae	0.9940111			sposan	0.9925512	sposan	0.9925512	2025-07-26	9:46:15 PM	Y
1.6	3.2	0	11025	Passeriformes	0.97212696	Parulidae	0.95605725			amered	0.8980368	amered	0.8980368	2025-07-28	10:19:02 PM	Y
166	167.8	0	11025	Passeriformes	0.9722305	Parulidae	0.9564091			bawwar	0.9999994	bawwar	0.9999994	2025-07-28	10:21:46 PM	Y
500.8	502.2	0	11025	Passeriformes	0.97185755	Parulidae	0.95198345	ZEEP	0.95947915	norwat	0.99938035	norwat	0.9993804	2025-07-29	1:27:21 AM	Y
202.6	203.8	0	11025	Passeriformes	0.9708783	Passerellidae	0.9948606	SFHS	0.9752991	whtspa	0.99320257	whtspa	0.9932026	2025-07-29	2:02:23 AM	Y
274.6	275.8	0	11025	Passeriformes	0.97056985	Parulidae	0.9550251			bawwar	0.99985003	bawwar	0.99985	2025-07-29	3:43:35 AM	Y
285.6	287.2	0	11025	Passeriformes	0.97223127	Parulidae	0.95646745			bawwar	0.999995	bawwar	0.999995	2025-07-29	3:43:46 AM	Y
199	200.6	0	11025	Passeriformes	0.9708301	Passerellidae	0.9950689	CUPS	0.9879965	chispa	0.9475076	chispa	0.9475076	2025-07-30	12:01:19 AM	Y
141.2	142.4	0	11025	Charadriiformes	0.9598132	Scolopacidae	0.9746834			leasan	0.9999434	leasan	0.9999434	2025-07-30	12:00:21 AM	Y
259	260.8	0	11025	Passeriformes	0.9719633	Parulidae	0.95627695			amered	0.8945695	amered	0.8945695	2025-07-30	3:42:19 AM	Y
266.2	267.6	0	11025	Charadriiformes	0.97895414	Scolopacidae	0.994803			leasan	0.9999999	leasan	0.9999999	2025-07-30	3:42:26 AM	Y
516.8	518.2	0	11025	Passeriformes	0.96211725	Turdidae	0.94687426	THSH	0.92638165	veery	0.9385875	veery	0.9385875	2025-07-30	9:45:37 PM	Y
512.4	514	0	11025	Passeriformes	0.9722188	Parulidae	0.95452803	ZEEP	0.96172875	norwat	0.9997025	norwat	0.9997025	2025-07-31	12:05:32 AM	Y
370.8	372.2	0	11025	Passeriformes	0.97207445	Parulidae	0.9548368	ZEEP	0.9596546	norwat	0.9999863	norwat	0.9999863	2025-07-31	1:23:11 AM	Y
388.8	390.2	0	11025	Passeriformes	0.9704977	Parulidae	0.94531435	ZEEP	0.95459145	norwat	0.9964101	norwat	0.9964101	2025-07-31	1:23:29 AM	Y
557	558.8	0	11025	Passeriformes	0.97219515	Parulidae	0.95589954	MWAR	0.9990903	mouwar	0.99641776	mouwar	0.9964178	2025-07-31	2:06:17 AM	Y
586.6	587.8	0	11025	Passeriformes	0.97131044	Parulidae	0.9479126	MWAR	0.99833626	mouwar	0.97368115	mouwar	0.9736812	2025-07-31	2:06:47 AM	Y
119.4	121.2	0	11025	Passeriformes	0.971992	Passerellidae	0.9944494	SFHS	0.98860323	whtspa	0.9981318	whtspa	0.9981318	2025-07-31	2:58:59 AM	Y
8	9.4	0	11025	Charadriiformes	0.97953737	Scolopacidae	0.9943738			sposan	0.99555004	sposan	0.99555	2025-07-31	9:35:08 PM	Y
10.4	12	0	11025	Passeriformes	0.972162	Parulidae	0.9552696	ZEEP	0.9611682	norwat	0.99817884	norwat	0.9981788	2025-07-31	11:35:10 PM	Y
272.2	273.8	0	11025	Passeriformes	0.9621139	Passerellidae	0.98961204	SFHS	0.97605044	whtspa	0.99457574	whtspa	0.9945757	2025-08-03	2:17:32 AM	Y
281.4	283.2	0	11025	Passeriformes	0.97200453	Passerellidae	0.99539953	SFHS	0.98866266	whtspa	0.9976794	whtspa	0.9976794	2025-08-03	2:17:41 AM	Y
584	585.8	0	11025	Passeriformes	0.9722259	Parulidae	0.9564364			bawwar	0.9999995	bawwar	0.9999995	2025-08-04	10:39:44 PM	Y
229.2	231	0	11025	Charadriiformes	0.9813054	Scolopacidae	0.99555814			sposan	0.99946517	sposan	0.9994652	2025-08-04	10:33:49 PM	Y
401.4	403.2	0	11025	Passeriformes	0.9721165	Parulidae	0.9563473			amered	0.90290785	amered	0.9029078	2025-08-05	12:16:41 AM	Y
516	517.2	0	11025	Passeriformes	0.95925593	Parulidae	0.87570083			amered	0.8588078	amered	0.8588078	2025-08-05	12:18:36 AM	Y
588	589.8	0	11025	Passeriformes	0.9662158	Parulidae	0.95436025			amered	0.88717794	amered	0.8871779	2025-08-05	12:19:48 AM	Y
416.2	418	0	11025	Passeriformes	0.9721576	Parulidae	0.95611924			canwar	0.99706995	canwar	0.99707	2025-08-06	12:15:56 AM	Y
73.6	74.8	0	11025	Passeriformes	0.96139973	Passerellidae	0.9912272	SFHS	0.97967005	whtspa	0.9955421	whtspa	0.9955421	2025-08-06	2:10:14 AM	Y
296.4	298	0	11025	Charadriiformes	0.9814844	Scolopacidae	0.9957262			solsan	0.9761816	solsan	0.9761816	2025-08-08	1:50:56 AM	Y
298.2	300.2	0	11025	Charadriiformes	0.981468	Scolopacidae	0.9957208			solsan	0.9760669	solsan	0.9760669	2025-08-08	1:50:58 AM	Y
150.8	152.6	0	11025	Passeriformes	0.97214127	Parulidae	0.9564142			amered	0.90253663	amered	0.9025366	2025-08-10	12:45:31 AM	Y
200.4	202.2	0	11025	Passeriformes	0.9719929	Parulidae	0.95640653			amered	0.902725	amered	0.902725	2025-08-10	12:46:20 AM	Y
416	417.6	0	11025	Passeriformes	0.97088313	Parulidae	0.9547157			amered	0.90104926	amered	0.9010493	2025-08-10	12:49:56 AM	Y
279.6	281.2	0	11025	Passeriformes	0.97108734	Parulidae	0.9523829	SBUF	0.92977	palwar	0.99999976	palwar	0.9999998	2025-08-10	12:47:40 AM	Y
53.2	55	0	11025	Passeriformes	0.9721246	Passerellidae	0.9954668	DESP	0.9917973	savspa	0.9983937	savspa	0.9983937	2025-08-11	12:21:53 AM	Y
580	581.6	0	11025	Passeriformes	0.9721824	Parulidae	0.9561418			canwar	0.996949	canwar	0.996949	2025-08-11	2:30:40 AM	Y
574.8	576	0	11025	Passeriformes	0.9714219	Parulidae	0.95108956	MWAR	0.99741554	mouwar	0.9846661	mouwar	0.9846661	2025-08-11	2:30:35 AM	Y
297.2	299	0	11025	Passeriformes	0.96669364	Passerellidae	0.99154484	SFHS	0.9814306	whtspa	0.9953637	whtspa	0.9953637	2025-08-11	4:05:57 AM	Y
185.8	187.2	0	11025	Passeriformes	0.97221416	Parulidae	0.9557795	ZEEP	0.96188325	norwat	0.9999007	norwat	0.9999007	2025-08-12	2:43:06 AM	Y
102.4	103.8	0	11025	Passeriformes	0.9660348	Passerellidae	0.9923544	SFHS	0.9722794	whtspa	0.9844797	whtspa	0.9844797	2025-08-12	2:41:42 AM	Y
191.6	193.2	0	11025	Passeriformes	0.972219	Parulidae	0.95631415			bawwar	0.999992	bawwar	0.999992	2025-08-12	4:23:12 AM	Y

Table 9: 2025 Summer Acoustic Monitoring Period - Nighthawk Results - Aulds Cove Wind Project

Begin Time (s)	End Time (s)	Low Freq (Hz)	High Freq (Hz)	Order	Prob_Order	Family	Prob_Family	Group	Prob_Group	Species	Prob_Species	Predicted_Category	Prob	Date	Time	Annotation
494.8	496.6	0	11025	Passeriformes	0.9721744	Parulidae	0.95632094			bawwar	0.99999785	bawwar	0.9999979	2025-08-12	4:28:15 AM	Y
530.2	532	0	11025	Passeriformes	0.9722143	Parulidae	0.9564205			bawwar	0.99999976	bawwar	0.9999998	2025-08-12	4:28:50 AM	Y
546.8	548.2	0	11025	Passeriformes	0.9720215	Parulidae	0.9553557			bawwar	0.9999944	bawwar	0.9999944	2025-08-12	4:29:07 AM	Y
178	179.8	0	11025	Passeriformes	0.9714906	Passerellidae	0.9950597	CUPS	0.9880178	chispa	0.95505226	chispa	0.9550523	2025-08-12	4:22:58 AM	Y
300.6	302.2	0	11025	Passeriformes	0.9679193	Parulidae	0.9383397	ZEEP	0.95068246	norwat	0.9995784	norwat	0.9995784	2025-08-12	4:25:01 AM	Y
26.6	27.8	0	11025	Passeriformes	0.9721324	Parulidae	0.9562821	SBUF	0.9208705	ovenbi1	0.90160686	ovenbi1	0.9016069	2025-08-12	4:20:27 AM	Y
289.6	291.4	0	11025	Passeriformes	0.9722368	Parulidae	0.95650053	SBUF	0.93876374	ovenbi1	0.981139	ovenbi1	0.981139	2025-08-12	4:24:50 AM	Y
88	89.4	0	11025	Passeriformes	0.9068641	Passerellidae	0.97234005	SFHS	0.96573377	whtspa	0.99196666	whtspa	0.9919667	2025-08-13	10:58:28 PM	Y
66.6	68.2	0	11025	Passeriformes	0.97221595	Parulidae	0.9563942			bawwar	0.9999999	bawwar	0.9999999	2025-08-13	11:58:07 PM	Y
141.8	143.4	0	11025	Passeriformes	0.9722322	Parulidae	0.9563002			bawwar	0.99999964	bawwar	0.9999996	2025-08-13	11:59:22 PM	Y
196.8	198.6	0	11025	Passeriformes	0.9721104	Parulidae	0.9560859			canwar	0.9968419	canwar	0.9968419	2025-08-14	12:00:17 AM	Y
181.6	183	0	11025	Passeriformes	0.9708574	Parulidae	0.9523793	BZWA	0.9770114	chswar	0.8792626	chswar	0.8792626	2025-08-14	12:00:02 AM	Y
190.4	191.8	0	11025	Passeriformes	0.9718326	Parulidae	0.95410526	BZWA	0.98016596	chswar	0.91254425	chswar	0.9125443	2025-08-14	12:00:10 AM	Y
195.4	196.8	0	11025	Passeriformes	0.9721211	Parulidae	0.9543934	ZEEP	0.96089625	norwat	0.9999788	norwat	0.9999788	2025-08-14	12:00:15 AM	Y
379.8	381.6	0	11025	Passeriformes	0.9721728	Parulidae	0.9561766	SBUF	0.94119865	ovenbi1	0.98615974	ovenbi1	0.9861597	2025-08-14	12:03:20 AM	Y
205.8	207.6	0	11025	Passeriformes	0.97207	Parulidae	0.95592326	SBUF	0.93891275	ovenbi1	0.9568135	ovenbi1	0.9568135	2025-08-14	2:40:26 AM	Y
6.6	8.2	0	11025	Passeriformes	0.9720362	Parulidae	0.9558635			canwar	0.9971513	canwar	0.9971513	2025-08-14	3:17:07 AM	Y
51	52.8	0	11025	Passeriformes	0.9722297	Parulidae	0.956346			canwar	0.99792826	canwar	0.9979283	2025-08-14	3:17:51 AM	Y
69.4	70.8	0	11025	Passeriformes	0.9696713	Parulidae	0.934948			canwar	0.9916813	canwar	0.9916813	2025-08-14	3:18:09 AM	Y
86.2	87.6	0	11025	Passeriformes	0.9710005	Parulidae	0.94421804			canwar	0.985887	canwar	0.985887	2025-08-14	3:18:26 AM	Y
352.8	354	0	11025	Passeriformes	0.97183514	Parulidae	0.95527035			canwar	0.9964676	canwar	0.9964676	2025-08-14	3:22:53 AM	Y
375	376.8	0	11025	Passeriformes	0.9722248	Parulidae	0.95630795			canwar	0.9977811	canwar	0.9977811	2025-08-14	3:23:15 AM	Y
388	389.8	0	11025	Passeriformes	0.97223353	Parulidae	0.9564341			canwar	0.99725085	canwar	0.9972509	2025-08-14	3:23:28 AM	Y
372.6	374	0	11025	Passeriformes	0.97196317	Passerellidae	0.9934447	CUPS	0.98175895	chispa	0.9383623	chispa	0.9383623	2025-08-14	3:23:13 AM	Y
501.6	503	0	11025	Passeriformes	0.9718803	Parulidae	0.9519473	ZEEP	0.96094084	norwat	0.99985266	norwat	0.9998527	2025-08-14	3:25:22 AM	Y
60.8	62.4	0	11025	Passeriformes	0.97217935	Parulidae	0.9562543	SBUF	0.9334325	ovenbi1	0.9746908	ovenbi1	0.9746908	2025-08-14	3:18:01 AM	Y
566.4	567.6	0	11025	Passeriformes	0.971366	Parulidae	0.95420444			wlswar	0.96233624	wlswar	0.9623362	2025-08-14	3:26:26 AM	Y
251.2	253	0	11025	Passeriformes	0.9715186	Parulidae	0.95336497	ZEEP	0.919521	camwar	0.9999826	camwar	0.9999826	2025-08-14	10:59:11 PM	Y
566.2	568	0	11025	Passeriformes	0.9720077	Parulidae	0.9555972	SBUF	0.9295258	ovenbi1	0.97379774	ovenbi1	0.9737977	2025-08-14	11:04:26 PM	Y
147.2	149	0	11025	Passeriformes	0.97097427	Parulidae	0.9550294			canwar	0.9773886	canwar	0.9773886	2025-08-15	12:17:27 AM	Y
561.6	563.2	0	11025	Passeriformes	0.97176796	Parulidae	0.9554428			canwar	0.9945602	canwar	0.9945602	2025-08-15	12:24:22 AM	Y
407.8	409.4	0	11025	Passeriformes	0.9722196	Parulidae	0.9556806	BZWA	0.98202914	chswar	0.96640813	chswar	0.9664081	2025-08-15	12:21:48 AM	Y
172.8	174.6	0	11025	Passeriformes	0.9721577	Parulidae	0.95595723	BZWA	0.98310214	comyel	0.9999999	comyel	0.9999999	2025-08-15	12:17:53 AM	Y
355.8	357.6	0	11025	Passeriformes	0.9721868	Parulidae	0.9561768	SBUF	0.9396874	ovenbi1	0.98187834	ovenbi1	0.9818783	2025-08-15	12:20:56 AM	Y
567	568.6	0	11025	Passeriformes	0.9721871	Parulidae	0.9563545	SBUF	0.93933046	ovenbi1	0.9690475	ovenbi1	0.9690475	2025-08-15	12:24:27 AM	Y
465	466.8	0	11025	Passeriformes	0.9666187	Parulidae	0.9517885	SBUF	0.9379088	btbwar	0.9164138	btbwar	0.9164138	2025-08-15	1:02:45 AM	Y
409.6	410.8	0	11025	Passeriformes	0.9721239	Parulidae	0.95582336	BZWA	0.98172504	comyel	0.9999999	comyel	0.9999999	2025-08-15	1:01:50 AM	Y
178	179.4	0	11025	Charadriiformes	0.9782365	Scolopacidae	0.9944319			sposan	0.9978041	sposan	0.9978041	2025-08-15	12:57:58 AM	Y
176	177.8	0	11025	Passeriformes	0.9722102	Parulidae	0.95640314			bawwar	0.99999976	bawwar	0.9999998	2025-08-15	9:55:56 PM	Y
184.6	186.4	0	11025	Passeriformes	0.9722366	Parulidae	0.95648265			bawwar	0.9999999	bawwar	0.9999999	2025-08-15	9:56:05 PM	Y
374.6	376.4	0	11025	Passeriformes	0.9722331	Parulidae	0.95644903			bawwar	0.99999464	bawwar	0.9999946	2025-08-15	9:59:15 PM	Y
547.6	549.2	0	11025	Passeriformes	0.9722171	Parulidae	0.9563536			bawwar	0.99999976	bawwar	0.9999998	2025-08-15	10:02:08 PM	Y
545.4	547	0	11025	Passeriformes	0.9716261	Parulidae	0.95300084			canwar	0.99668616	canwar	0.9966862	2025-08-15	10:02:05 PM	Y
140.8	142.4	0	11025	Passeriformes	0.96584255	Parulidae	0.93619525	BZWA	0.9047671	chswar	0.836582	chswar	0.836582	2025-08-15	9:55:21 PM	Y
192.6	194.2	0	11025	Passeriformes	0.960951	Parulidae	0.91637397	BZWA	0.96218157	chswar	0.9353934	chswar	0.9353934	2025-08-15	9:56:13 PM	Y

Table 9: 2025 Summer Acoustic Monitoring Period - Nighthawk Results - Aulds Cove Wind Project

Begin Time (s)	End Time (s)	Low Freq (Hz)	High Freq (Hz)	Order	Prob_Order	Family	Prob_Family	Group	Prob_Group	Species	Prob_Species	Predicted_Category	Prob	Date	Time	Annotation
308.6	310.2	0	11025	Passeriformes	0.9722226	Parulidae	0.955703	ZEEP	0.9626081	norwat	0.99999976	norwat	0.9999998	2025-08-15	9:58:09 PM	Y
322.8	324.4	0	11025	Passeriformes	0.9709927	Parulidae	0.9450646	ZEEP	0.9178083	norwat	0.99028414	norwat	0.9902841	2025-08-15	9:58:23 PM	Y
120.8	122.4	0	11025	Passeriformes	0.9693866	Parulidae	0.95085067	SBUF	0.90926343	ovenbi1	0.93219185	ovenbi1	0.9321918	2025-08-15	9:55:01 PM	Y
58.8	60.2	0	11025	Passeriformes	0.9502401	Parulidae	0.9096471	SBUF	0.866345	palwar	0.9999825	palwar	0.9999825	2025-08-15	9:53:59 PM	Y
332.2	334	0	11025	Passeriformes	0.9722177	Parulidae	0.9560579			bawwar	0.99999976	bawwar	0.9999998	2025-08-15	10:58:32 PM	Y
405.2	406.8	0	11025	Passeriformes	0.97220457	Parulidae	0.95636374			bawwar	0.9997234	bawwar	0.9997234	2025-08-15	10:59:45 PM	Y
440.4	442	0	11025	Passeriformes	0.9722048	Parulidae	0.9563742			bawwar	0.9999995	bawwar	0.9999995	2025-08-15	11:00:20 PM	Y
372.8	374.6	0	11025	Passeriformes	0.9719035	Parulidae	0.9551917	BZWA	0.97771025	chswar	0.96520007	chswar	0.9652001	2025-08-15	10:59:13 PM	Y
272.2	273.4	0	11025	Passeriformes	0.97133493	Parulidae	0.9424684	MWAR	0.9986339	mouwar	0.9728741	mouwar	0.9728741	2025-08-15	10:57:32 PM	Y
343.6	345.4	0	11025	Passeriformes	0.9693672	Parulidae	0.9143894	DEWA	0.99991286	norpar	0.99645114	norpar	0.9964511	2025-08-15	10:58:44 PM	Y
43.2	45	0	11025	Passeriformes	0.9671407	Parulidae	0.942106	SBUF	0.9139734	palwar	0.99999917	palwar	0.9999992	2025-08-15	10:53:43 PM	Y
383.6	385.6	0	11025	Passeriformes	0.96609604	Parulidae	0.95032156			wlswar	0.984035	wlswar	0.984035	2025-08-15	10:59:24 PM	Y
205	206.4	0	11025	Passeriformes	0.9700098	Parulidae	0.94890416	MWAR	0.9972867	mouwar	0.95866203	mouwar	0.958662	2025-08-15	11:56:25 PM	Y
200	201.8	0	11025	Passeriformes	0.9719934	Parulidae	0.95354706	SBUF	0.93101114	ovenbi1	0.9699458	ovenbi1	0.9699458	2025-08-16	2:56:20 AM	Y
186	187.8	0	11025	Passeriformes	0.9683422	Parulidae	0.9492601			wlswar	0.9941094	wlswar	0.9941094	2025-08-16	4:36:06 AM	Y
138.2	140	0	11025	Passeriformes	0.9715982	Parulidae	0.95583636			amered	0.9025761	amered	0.9025761	2025-08-16	11:14:18 PM	Y
233.2	234.8	0	11025	Passeriformes	0.9712549	Parulidae	0.95364463			amered	0.90044534	amered	0.9004453	2025-08-16	11:15:53 PM	Y
424.6	426	0	11025	Passeriformes	0.9716608	Parulidae	0.9556448			amered	0.8921224	amered	0.8921224	2025-08-16	11:19:05 PM	Y
46.4	48.2	0	11025	Passeriformes	0.97219414	Parulidae	0.95608026			canwar	0.9976229	canwar	0.9976229	2025-08-16	11:12:46 PM	Y
356.4	358.2	0	11025	Passeriformes	0.97220844	Parulidae	0.95614684			canwar	0.9972113	canwar	0.9972113	2025-08-16	11:17:56 PM	Y
55.4	57.2	0	11025	Passeriformes	0.97219837	Parulidae	0.95626956	BZWA	0.98312527	comyel	0.9999999	comyel	0.9999999	2025-08-16	11:12:55 PM	Y
91.6	93.2	0	11025	Passeriformes	0.9707072	Parulidae	0.94926333	BZWA	0.97962224	comyel	0.99999976	comyel	0.9999998	2025-08-16	11:13:32 PM	Y
94.4	95.6	0	11025	Passeriformes	0.9710298	Parulidae	0.95237345	BZWA	0.93783796	comyel	0.9939838	comyel	0.9939838	2025-08-16	11:13:34 PM	Y
118.4	120.2	0	11025	Passeriformes	0.97221833	Parulidae	0.9562473	BZWA	0.9829639	comyel	0.9999999	comyel	0.9999999	2025-08-16	11:13:58 PM	Y
35.8	37.4	0	11025	Passeriformes	0.9713642	Parulidae	0.94793975	SBUF	0.92361027	palwar	0.9999995	palwar	0.9999995	2025-08-16	11:12:36 PM	Y
515.8	517	0	11025	Passeriformes	0.96495193	Parulidae	0.9502577			wlswar	0.97365934	wlswar	0.9736593	2025-08-16	11:20:36 PM	Y
279.6	281.4	0	11025	Passeriformes	0.9714446	Parulidae	0.9559563			amered	0.90148664	amered	0.9014866	2025-08-16	11:36:40 PM	Y
425.6	427.4	0	11025	Passeriformes	0.97180486	Parulidae	0.9558897			amered	0.8687136	amered	0.8687136	2025-08-16	11:39:06 PM	Y
471.2	473	0	11025	Passeriformes	0.97211736	Parulidae	0.95637673			amered	0.90288645	amered	0.9028865	2025-08-16	11:39:51 PM	Y
521.8	523.6	0	11025	Passeriformes	0.9720953	Parulidae	0.9563893			amered	0.9029858	amered	0.9029858	2025-08-16	11:40:42 PM	Y
267.8	269.6	0	11025	Passeriformes	0.9722331	Parulidae	0.9564689			bawwar	0.9999999	bawwar	0.9999999	2025-08-16	11:36:28 PM	Y
285.2	287	0	11025	Passeriformes	0.9722377	Parulidae	0.95649505			bawwar	0.9999999	bawwar	0.9999999	2025-08-16	11:36:45 PM	Y
66	67.6	0	11025	Passeriformes	0.9721101	Parulidae	0.95534474			canwar	0.9972621	canwar	0.9972621	2025-08-16	11:33:06 PM	Y
399.6	401	0	11025	Passeriformes	0.9718613	Parulidae	0.95612365			canwar	0.8705055	canwar	0.8705055	2025-08-16	11:38:40 PM	Y
248	249.8	0	11025	Passeriformes	0.9721419	Parulidae	0.9519907	SBUF	0.9328119	ovenbi1	0.9731073	ovenbi1	0.9731073	2025-08-16	11:36:08 PM	Y
41.4	43.2	0	11025	Passeriformes	0.97125566	Parulidae	0.94722086	SBUF	0.9240554	palwar	0.99999976	palwar	0.9999998	2025-08-16	11:32:41 PM	Y
83.4	85	0	11025	Passeriformes	0.9720886	Parulidae	0.95557916			canwar	0.99719125	canwar	0.9971913	2025-08-17	1:53:23 AM	Y
97.4	99.2	0	11025	Passeriformes	0.9719284	Parulidae	0.9555586			canwar	0.9960919	canwar	0.9960919	2025-08-17	1:53:37 AM	Y
523.4	525.2	0	11025	Passeriformes	0.9721805	Parulidae	0.9557646			canwar	0.99725986	canwar	0.9972599	2025-08-17	2:00:43 AM	Y
510.4	511.8	0	11025	Passeriformes	0.9705129	Parulidae	0.9495397	SBUF	0.93073606	palwar	0.99999976	palwar	0.9999998	2025-08-17	2:00:30 AM	Y
381.4	383.2	0	11025	Passeriformes	0.97165865	Parulidae	0.9510692			wlswar	0.9920328	wlswar	0.9920328	2025-08-19	10:13:21 PM	Y
382.6	383.8	0	11025	Passeriformes	0.9657844	Parulidae	0.9402225	SBUF	0.9308192	btbwar	0.9163442	btbwar	0.9163442	2025-08-20	1:13:23 AM	Y
210.2	211.6	0	11025	Passeriformes	0.9712172	Parulidae	0.9540506	SBUF	0.90813625	ovenbi1	0.9074269	ovenbi1	0.9074269	2025-08-20	2:50:30 AM	Y
203.6	205	0	11025	Passeriformes	0.97203946	Parulidae	0.95292324	SBUF	0.87047744	palwar	0.9999995	palwar	0.9999995	2025-08-20	2:50:24 AM	Y
88.8	90.4	0	11025	Passeriformes	0.9722358	Parulidae	0.9564836			bawwar	0.9999999	bawwar	0.9999999	2025-08-20	11:26:29 PM	Y

Table 9: 2025 Summer Acoustic Monitoring Period - Nighthawk Results - Aulds Cove Wind Project

Begin Time (s)	End Time (s)	Low Freq (Hz)	High Freq (Hz)	Order	Prob_Order	Family	Prob_Family	Group	Prob_Group	Species	Prob_Species	Predicted_Category	Prob	Date	Time	Annotation
330.6	332.2	0	11025	Passeriformes	0.9722374	Parulidae	0.95647794			bawwar	0.9999999	bawwar	0.9999999	2025-08-20	11:30:31 PM	Y
184	185.8	0	11025	Passeriformes	0.9715546	Parulidae	0.9533899	BZWA	0.98222786	chswar	0.9672135	chswar	0.9672135	2025-08-20	11:28:04 PM	Y
417.2	418.8	0	11025	Passeriformes	0.9690465	Parulidae	0.9369616	BZWA	0.97650313	chswar	0.9640688	chswar	0.9640688	2025-08-20	11:31:57 PM	Y
562.6	564.2	0	11025	Passeriformes	0.96889895	Parulidae	0.9431114	BZWA	0.9692784	chswar	0.956775	chswar	0.956775	2025-08-20	11:34:23 PM	Y
140.6	142	0	11025	Passeriformes	0.97222406	Parulidae	0.9562868			bawwar	0.9967158	bawwar	0.9967158	2025-08-21	12:47:21 AM	Y
523.6	525	0	11025	Passeriformes	0.97209835	Parulidae	0.9547528	MWAR	0.9990189	mouwar	0.996201	mouwar	0.996201	2025-08-21	12:53:44 AM	Y
288	289.6	0	11025	Passeriformes	0.9689227	Parulidae	0.9224562	SBUF	0.9192578	palwar	0.99999976	palwar	0.9999998	2025-08-21	12:49:48 AM	Y
44.6	46.2	0	11025	Passeriformes	0.9717216	Parulidae	0.95454234	BZWA	0.9811451	comyel	0.99993825	comyel	0.9999382	2025-08-21	5:05:45 AM	Y
213.8	215.2	0	11025	Charadriiformes	0.9781311	Scolopacidae	0.99458486			sposan	0.984994	sposan	0.984994	2025-08-21	9:06:34 PM	Y
90.6	92.4	0	11025	Passeriformes	0.97207	Parulidae	0.95577884	BZWA	0.9765826	comyel	0.9990061	comyel	0.9990061	2025-08-21	11:04:31 PM	Y
382.6	384	0	11025	Passeriformes	0.9718596	Parulidae	0.95220554	SBUF	0.9363849	ovenbi1	0.9735671	ovenbi1	0.9735671	2025-08-21	11:09:23 PM	Y
164.6	166	0	11025	Passeriformes	0.96198374	Parulidae	0.9221707	SBUF	0.90214413	palwar	0.99425584	palwar	0.9942558	2025-08-21	11:05:45 PM	Y
383	384.8	0	11025	Passeriformes	0.97208697	Turdidae	0.9522154	THSH	0.9346971	veery	0.9916529	veery	0.9916529	2025-08-21	11:29:23 PM	Y
515.4	517.2	0	11025	Passeriformes	0.9676483	Passerellidae	0.98843455	DESP	0.96957713	savspa	0.9359769	savspa	0.9359769	2025-08-22	5:11:35 AM	Y
447.2	449	0	11025	Passeriformes	0.9715021	Parulidae	0.9555233			amered	0.8983934	amered	0.8983934	2025-08-23	4:29:27 AM	Y
563	564.2	0	11025	Passeriformes	0.97171986	Parulidae	0.9440308	SBUF	0.92452943	palwar	0.99999976	palwar	0.9999998	2025-08-23	4:31:23 AM	Y
53	54.8	0	11025	Passeriformes	0.9722268	Parulidae	0.9561588			canwar	0.99793077	canwar	0.9979308	2025-08-24	4:20:53 AM	Y
211	212.8	0	11025	Passeriformes	0.9714498	Parulidae	0.9545851			canwar	0.90858054	canwar	0.9085805	2025-08-24	4:23:31 AM	Y
208	209.8	0	11025	Passeriformes	0.9721943	Parulidae	0.95620406	BZWA	0.9826919	comyel	0.9999945	comyel	0.9999945	2025-08-24	4:23:28 AM	Y
360	361.8	0	11025	Passeriformes	0.97181547	Parulidae	0.9506246	DEWA	0.99998486	norpar	0.9999002	norpar	0.9999002	2025-08-24	4:26:00 AM	Y
148	149.8	0	11025	Passeriformes	0.9722206	Parulidae	0.95416486	ZEEP	0.9560612	norwat	0.9999988	norwat	0.9999988	2025-08-24	4:22:28 AM	Y
1.6	3.4	0	11025	Passeriformes	0.97208595	Parulidae	0.95570314	SBUF	0.9321527	ovenbi1	0.97615504	ovenbi1	0.976155	2025-08-24	4:20:02 AM	Y
360.2	361.6	0	11025	Passeriformes	0.9708693	Turdidae	0.94837624	THSH	0.9244876	veery	0.9881555	veery	0.9881555	2025-08-25	12:04:00 AM	Y
411	412.6	0	11025	Passeriformes	0.9720733	Parulidae	0.9546875	ZEEP	0.9586606	camwar	0.9999918	camwar	0.9999918	2025-08-25	12:44:51 AM	Y
195	196.6	0	11025	Passeriformes	0.9037411	Passerellidae	0.8635303	DESP	0.87202007	savspa	0.94933385	savspa	0.9493338	2025-08-25	1:21:15 AM	Y
267.8	269.2	0	11025	Passeriformes	0.97217035	Parulidae	0.9558336	MWAR	0.99902105	mouwar	0.9940619	mouwar	0.9940619	2025-08-25	2:22:28 AM	Y
258.6	259.8	0	11025	Passeriformes	0.97136676	Parulidae	0.8807168	DEWA	0.99991703	norpar	0.998582	norpar	0.998582	2025-08-26	4:20:19 AM	Y
18.4	20.2	0	11025	Passeriformes	0.97211456	Turdidae	0.95779365	THSH	0.9435234	veery	0.99443096	veery	0.994431	2025-08-26	4:56:18 AM	Y
82.8	84.6	0	11025	Passeriformes	0.9700439	Turdidae	0.951296	THSH	0.93464094	veery	0.9210463	veery	0.9210463	2025-08-26	4:57:23 AM	Y
578.2	580	0	11025	Passeriformes	0.97223413	Parulidae	0.9556835	MWAR	0.99918205	mouwar	0.99308974	mouwar	0.9930897	2025-08-26	9:44:38 PM	Y
342	343.4	0	11025	Passeriformes	0.9722349	Parulidae	0.9565002	SBUF	0.9104589	ovenbi1	0.9603958	ovenbi1	0.9603958	2025-08-26	9:40:42 PM	Y
502.8	504.6	0	11025	Passeriformes	0.971806	Turdidae	0.9571307	THSH	0.9424737	veery	0.9910676	veery	0.9910676	2025-08-26	9:43:23 PM	Y
52	53.6	0	11025	Passeriformes	0.9721255	Parulidae	0.9555107	BZWA	0.98219395	chswar	0.9663874	chswar	0.9663874	2025-08-27	12:55:52 AM	Y
215.6	217.2	0	11025	Passeriformes	0.97216314	Parulidae	0.9561521	BZWA	0.9825546	chswar	0.96915394	chswar	0.9691539	2025-08-27	12:58:36 AM	Y
211.2	213	0	11025	Passeriformes	0.97221583	Parulidae	0.9558977	MWAR	0.9991036	mouwar	0.9906878	mouwar	0.9906878	2025-08-27	12:58:31 AM	Y
227.2	228.8	0	11025	Passeriformes	0.97219276	Parulidae	0.95568126	MWAR	0.99904567	mouwar	0.9918339	mouwar	0.9918339	2025-08-27	12:58:47 AM	Y
557.2	559	0	11025	Passeriformes	0.9722214	Parulidae	0.9560772	MWAR	0.9991073	mouwar	0.99589914	mouwar	0.9958991	2025-08-27	1:04:17 AM	Y
559.4	561	0	11025	Passeriformes	0.9718436	Parulidae	0.9542631	MWAR	0.99886584	mouwar	0.9948337	mouwar	0.9948337	2025-08-27	1:04:19 AM	Y
413	414.8	0	11025	Passeriformes	0.9717624	Parulidae	0.9554926	SBUF	0.9366522	ovenbi1	0.98261386	ovenbi1	0.9826139	2025-08-27	1:01:53 AM	Y
569.6	571	0	11025	Passeriformes	0.9721354	Parulidae	0.9528728	MWAR	0.9985967	mouwar	0.9552038	mouwar	0.9552038	2025-08-27	1:24:30 AM	Y
175.4	176.8	0	11025	Passeriformes	0.97188246	Parulidae	0.95211345	ZEEP	0.9571666	norwat	0.99869484	norwat	0.9986948	2025-08-27	1:57:55 AM	Y
439	440.8	0	11025	Passeriformes	0.9718502	Parulidae	0.9529767	MWAR	0.9985617	mouwar	0.96273375	mouwar	0.9627337	2025-08-27	2:22:19 AM	Y
489.2	491	0	11025	Passeriformes	0.972132	Parulidae	0.9555735	MWAR	0.9988457	mouwar	0.9888297	mouwar	0.9888297	2025-08-27	2:23:09 AM	Y
72.8	74.2	0	11025	Passeriformes	0.9718755	Parulidae	0.9067326	DEWA	0.9997161	norpar	0.9928912	norpar	0.9928912	2025-08-27	2:16:13 AM	Y
511.6	513	0	11025	Passeriformes	0.97213745	Parulidae	0.95581836	MWAR	0.99901783	mouwar	0.994062	mouwar	0.994062	2025-08-27	2:43:32 AM	Y

Table 9: 2025 Summer Acoustic Monitoring Period - Nighthawk Results - Aulds Cove Wind Project

Begin Time (s)	End Time (s)	Low Freq (Hz)	High Freq (Hz)	Order	Prob_Order	Family	Prob_Family	Group	Prob_Group	Species	Prob_Species	Predicted_Category	Prob	Date	Time	Annotation
35.4	37	0	11025	Passeriformes	0.971904	Parulidae	0.927534	DEWA	0.9998042	norpar	0.9926716	norpar	0.9926716	2025-08-27	2:55:35 AM	Y
266.2	267.8	0	11025	Passeriformes	0.9720962	Parulidae	0.94860214	DEWA	0.9999832	norpar	0.9996228	norpar	0.9996228	2025-08-27	3:19:26 AM	Y
302.4	304.2	0	11025	Passeriformes	0.9716063	Parulidae	0.9463744	DEWA	0.9999845	norpar	0.99988794	norpar	0.9998879	2025-08-27	3:20:02 AM	Y
81.4	83	0	11025	Passeriformes	0.9664496	Parulidae	0.936631	ZEEP	0.9044399	norwat	0.9994974	norwat	0.9994974	2025-08-27	3:16:21 AM	Y
449.4	451	0	11025	Passeriformes	0.97216254	Parulidae	0.954023	ZEEP	0.9527838	norwat	0.9971107	norwat	0.9971107	2025-08-27	3:22:29 AM	Y
460.8	462.6	0	11025	Passeriformes	0.9722348	Parulidae	0.95596594	ZEEP	0.9625247	norwat	0.9999999	norwat	0.9999999	2025-08-27	3:22:41 AM	Y
475	476.8	0	11025	Passeriformes	0.97220427	Parulidae	0.9535389	ZEEP	0.95952916	norwat	0.99999976	norwat	0.9999998	2025-08-27	3:22:55 AM	Y
46	47.4	0	11025	Passeriformes	0.9721143	Parulidae	0.9557794	BZWA	0.97133607	chswar	0.9246495	chswar	0.9246495	2025-08-27	3:55:46 AM	Y
141.8	143.4	0	11025	Passeriformes	0.971902	Parulidae	0.9524198	BZWA	0.97672105	chswar	0.92544883	chswar	0.9254488	2025-08-27	3:57:22 AM	Y
342.8	344	0	11025	Passeriformes	0.9592847	Parulidae	0.93149686	BZWA	0.97430307	chswar	0.9353099	chswar	0.9353099	2025-08-27	4:00:43 AM	Y
360.2	361.8	0	11025	Passeriformes	0.9715865	Parulidae	0.9539806	BZWA	0.9663598	comyel	0.9984465	comyel	0.9984465	2025-08-27	4:01:00 AM	Y
389.2	390.6	0	11025	Passeriformes	0.9709718	Parulidae	0.9546171	BZWA	0.98222107	comyel	0.9999763	comyel	0.9999763	2025-08-27	4:01:29 AM	Y
404.2	405.8	0	11025	Passeriformes	0.9719539	Parulidae	0.9542696	MWAR	0.99891555	mouwar	0.9947595	mouwar	0.9947595	2025-08-27	4:01:44 AM	Y
596	597.8	0	11025	Passeriformes	0.9721548	Parulidae	0.9557539	MWAR	0.99892104	mouwar	0.99380434	mouwar	0.9938043	2025-08-27	4:04:56 AM	Y
176.4	178.2	0	11025	Charadriiformes	0.98091954	Charadriidae	0.9996141			semplo	0.976861	semplo	0.976861	2025-08-27	3:57:56 AM	Y
186.4	191.4	0	11025	Charadriiformes	0.98095936	Charadriidae	0.9996057			semplo	0.982307	semplo	0.982307	2025-08-27	3:58:06 AM	Y
191.4	194.4	0	11025	Charadriiformes	0.98095936	Charadriidae	0.9996057			semplo	0.982307	semplo	0.982307	2025-08-27	3:58:11 AM	Y
195	196.4	0	11025	Charadriiformes	0.9801281	Charadriidae	0.99955827			semplo	0.96482486	semplo	0.9648249	2025-08-27	3:58:15 AM	Y
198.4	203	0	11025	Charadriiformes	0.9803432	Charadriidae	0.999597			semplo	0.98262966	semplo	0.9826297	2025-08-27	3:58:18 AM	Y
214.2	216	0	11025	Charadriiformes	0.9813385	Charadriidae	0.99961984			semplo	0.98119235	semplo	0.9811924	2025-08-27	3:58:34 AM	Y
545.4	547	0	11025	Passeriformes	0.97209734	Parulidae	0.9562076			canwar	0.99318564	canwar	0.9931856	2025-08-27	4:24:05 AM	Y
579.8	581.2	0	11025	Passeriformes	0.9721939	Parulidae	0.9561914			canwar	0.99595875	canwar	0.9959587	2025-08-27	4:24:40 AM	Y
89.2	90.8	0	11025	Passeriformes	0.971942	Parulidae	0.9548104	BZWA	0.9717187	chswar	0.9558884	chswar	0.9558884	2025-08-27	4:16:29 AM	Y
108.6	110.2	0	11025	Passeriformes	0.9721939	Parulidae	0.95540947	BZWA	0.98105294	chswar	0.9608244	chswar	0.9608244	2025-08-27	4:16:49 AM	Y
135	136.4	0	11025	Passeriformes	0.9686857	Parulidae	0.9339136	BZWA	0.97452605	chswar	0.95201707	chswar	0.9520171	2025-08-27	4:17:15 AM	Y
138.6	140.2	0	11025	Passeriformes	0.96637374	Parulidae	0.94731385	BZWA	0.97768104	comyel	0.9999963	comyel	0.9999963	2025-08-27	4:17:19 AM	Y
550.6	552.4	0	11025	Passeriformes	0.9720785	Parulidae	0.95523137	ZEEP	0.96048874	norwat	0.9998217	norwat	0.9998217	2025-08-27	4:24:11 AM	Y
0	1.2	0	11025	Passeriformes	0.97222173	Parulidae	0.95620567	SBUF	0.93844837	ovenbi1	0.94218916	ovenbi1	0.9421892	2025-08-27	4:15:00 AM	Y
533.4	534.8	0	11025	Passeriformes	0.9437632	Parulidae	0.86828375	SBUF	0.86322623	palwar	0.9999405	palwar	0.9999405	2025-08-27	4:23:53 AM	Y
542	543.6	0	11025	Passeriformes	0.9720324	Parulidae	0.9549656	MWAR	0.99889565	mouwar	0.9950275	mouwar	0.9950275	2025-08-27	4:44:02 AM	Y
480.6	482.2	0	11025	Passeriformes	0.97083616	Parulidae	0.9539661	SBUF	0.9375128	ovenbi1	0.9797249	ovenbi1	0.9797249	2025-08-27	4:43:01 AM	Y
44.2	45.6	0	11025	Passeriformes	0.97203267	Parulidae	0.9546662	BZWA	0.9678278	chswar	0.95761865	chswar	0.9576187	2025-08-27	4:55:44 AM	Y
192	193.8	0	11025	Passeriformes	0.9722067	Parulidae	0.95622694	MWAR	0.9989034	mouwar	0.9946666	mouwar	0.9946666	2025-08-27	4:58:12 AM	Y
204.2	206	0	11025	Passeriformes	0.972234	Parulidae	0.9562213	MWAR	0.99918133	mouwar	0.9953752	mouwar	0.9953752	2025-08-27	4:58:24 AM	Y
496.2	498	0	11025	Passeriformes	0.9722286	Parulidae	0.953593	ZEEP	0.9619061	norwat	0.9999969	norwat	0.9999969	2025-08-27	5:03:16 AM	Y
197.6	199.4	0	11025	Passeriformes	0.97163504	Turdidae	0.95898074	THSH	0.94631773	swathr	0.8842239	swathr	0.8842239	2025-08-27	4:58:18 AM	N
33.6	34.8	0	11025	Passeriformes	0.9721771	Parulidae	0.9554649	MWAR	0.99809223	mouwar	0.9362204	mouwar	0.9362204	2025-08-27	5:15:34 AM	Y
247.4	249.2	0	11025	Passeriformes	0.97094697	Turdidae	0.94639885	THSH	0.923282	veery	0.99140173	veery	0.9914017	2025-08-27	5:19:07 AM	Y
278.6	280.4	0	11025	Passeriformes	0.971748	Turdidae	0.94332564	THSH	0.9142255	veery	0.99245197	veery	0.992452	2025-08-27	5:19:39 AM	Y
295	296.8	0	11025	Passeriformes	0.97160125	Turdidae	0.9563775	THSH	0.939503	veery	0.9885717	veery	0.9885717	2025-08-27	5:19:55 AM	Y
304	305.4	0	11025	Passeriformes	0.9714973	Turdidae	0.88733906	THSH	0.83458453	veery	0.9663282	veery	0.9663282	2025-08-27	5:20:04 AM	Y
314.4	316.2	0	11025	Passeriformes	0.97159237	Turdidae	0.9538551	THSH	0.9379422	veery	0.99101186	veery	0.9910119	2025-08-27	5:20:14 AM	Y
321.6	322.8	0	11025	Passeriformes	0.9720405	Turdidae	0.9582325	THSH	0.94377124	veery	0.9830998	veery	0.9830998	2025-08-27	5:20:22 AM	Y
327	328.4	0	11025	Passeriformes	0.9698186	Turdidae	0.93632954	THSH	0.90610796	veery	0.99202216	veery	0.9920222	2025-08-27	5:20:27 AM	Y
125.4	127	0	11025	Passeriformes	0.97173375	Turdidae	0.9490025	THSH	0.9291077	veery	0.99228	veery	0.99228	2025-08-27	9:35:05 PM	Y

Table 9: 2025 Summer Acoustic Monitoring Period - Nighthawk Results - Aulds Cove Wind Project

Begin Time (s)	End Time (s)	Low Freq (Hz)	High Freq (Hz)	Order	Prob_Order	Family	Prob_Family	Group	Prob_Group	Species	Prob_Species	Predicted_Category	Prob	Date	Time	Annotation
589.8	591.4	0	11025	Passeriformes	0.9722367	Parulidae	0.9563536	MWAR	0.99921334	mouwar	0.99806875	mouwar	0.9980687	2025-08-27	10:02:50 PM	Y
398.2	400	0	11025	Passeriformes	0.97221655	Passerellidae	0.9955402	DESP	0.9910285	savspa	0.9977055	savspa	0.9977055	2025-08-28	3:59:38 AM	Y
94.8	96.2	0	11025	Passeriformes	0.9717567	Parulidae	0.9559142			amered	0.89480346	amered	0.8948035	2025-08-28	9:12:35 PM	Y
83.8	85.4	0	11025	Passeriformes	0.9722373	Parulidae	0.956469			bawwar	0.99999964	bawwar	0.9999996	2025-08-28	9:12:24 PM	Y
121.6	123	0	11025	Passeriformes	0.97130805	Parulidae	0.9512328	BZWA	0.9801395	chswar	0.9658085	chswar	0.9658085	2025-08-28	9:13:02 PM	Y
322.4	323.8	0	11025	Passeriformes	0.9722288	Parulidae	0.95635974	BZWA	0.98277575	chswar	0.9564833	chswar	0.9564833	2025-08-28	9:16:22 PM	Y
546.8	548.4	0	11025	Passeriformes	0.97203416	Parulidae	0.9532208	BZWA	0.97517234	chswar	0.90210795	chswar	0.902108	2025-08-28	9:20:07 PM	Y
141.4	143.2	0	11025	Passeriformes	0.97195655	Parulidae	0.9533973	DEWA	0.9999887	norpar	0.9999466	norpar	0.9999466	2025-08-28	9:13:21 PM	Y
482.6	484	0	11025	Passeriformes	0.9713056	Parulidae	0.9443195	DEWA	0.9999857	norpar	0.99985445	norpar	0.9998544	2025-08-28	9:19:03 PM	Y
97.6	99.2	0	11025	Passeriformes	0.96211547	Parulidae	0.911714	SBUF	0.8915584	palwar	0.99984014	palwar	0.9998401	2025-08-28	9:12:38 PM	Y
213	214.8	0	11025	Passeriformes	0.97170365	Parulidae	0.95590657			amered	0.89942193	amered	0.8994219	2025-08-28	9:34:33 PM	Y
576.8	578.4	0	11025	Passeriformes	0.9716197	Parulidae	0.9492479			canwar	0.96500266	canwar	0.9650027	2025-08-28	9:40:37 PM	Y
489	490.4	0	11025	Passeriformes	0.88331795	Parulidae	0.859002	BZWA	0.94937444	chswar	0.9152881	chswar	0.9152881	2025-08-28	9:39:09 PM	Y
259.8	261.6	0	11025	Passeriformes	0.9722349	Parulidae	0.9554009	ZEEP	0.9627472	norwat	0.9999999	norwat	0.9999999	2025-08-28	9:35:20 PM	Y
81.6	83.4	0	11025	Passeriformes	0.9721389	Parulidae	0.9533054	SBUF	0.93622166	palwar	0.9999999	palwar	0.9999999	2025-08-28	9:32:22 PM	Y
518	520	0	11025	Charadriiformes	0.98148394	Scolopacidae	0.99572754			solsan	0.9760443	solsan	0.9760443	2025-08-28	9:59:38 PM	Y
273.6	275.2	0	11025	Passeriformes	0.9699239	Turdidae	0.9492496	THSH	0.92423224	veery	0.983993	veery	0.983993	2025-08-28	11:35:34 PM	Y
246.2	247.6	0	11025	Passeriformes	0.97172767	Turdidae	0.9571896	THSH	0.9408061	veery	0.9715092	veery	0.9715092	2025-08-28	11:55:06 PM	Y
83	84.8	0	11025	Passeriformes	0.9720221	Passerellidae	0.9953246	DESP	0.9893547	savspa	0.99665207	savspa	0.9966521	2025-08-29	12:12:23 AM	Y
135.8	137.4	0	11025	Passeriformes	0.97222793	Parulidae	0.9564762			amered	0.90020907	amered	0.9002091	2025-08-29	12:33:16 AM	Y
164.6	166.4	0	11025	Passeriformes	0.97196656	Parulidae	0.9536754	BZWA	0.98113143	comyel	0.99999535	comyel	0.9999954	2025-08-29	12:33:45 AM	Y
183.4	185.2	0	11025	Passeriformes	0.9722004	Parulidae	0.9562069	BZWA	0.9829884	comyel	0.9999999	comyel	0.9999999	2025-08-29	12:34:03 AM	Y
561.2	562.6	0	11025	Passeriformes	0.96615934	Parulidae	0.942964	BZWA	0.97812086	comyel	0.99998724	comyel	0.9999872	2025-08-29	12:40:21 AM	Y
479.6	481.4	0	11025	Passeriformes	0.9712309	Parulidae	0.9451829	SBUF	0.9324567	palwar	0.99999964	palwar	0.9999996	2025-08-29	12:39:00 AM	Y
449.6	451.4	0	11025	Passeriformes	0.9721666	Passerellidae	0.99551857	DESP	0.9917926	savspa	0.99740976	savspa	0.9974098	2025-08-29	12:38:30 AM	Y
210	211.8	0	11025	Passeriformes	0.9719999	Passerellidae	0.9944771	DESP	0.98752415	savspa	0.9969338	savspa	0.9969338	2025-08-29	1:54:30 AM	Y
57	58.6	0	11025	Passeriformes	0.97159123	Passerellidae	0.988157	DESP	0.9806983	savspa	0.9932991	savspa	0.9932991	2025-08-29	2:11:57 AM	Y
253.2	255	0	11025	Passeriformes	0.97195303	Parulidae	0.9538962	BZWA	0.98144	comyel	0.99999976	comyel	0.9999998	2025-08-29	3:35:13 AM	Y
245.4	246.8	0	11025	Passeriformes	0.9691236	Parulidae	0.95154816			wlswar	0.97093403	wlswar	0.970934	2025-08-29	3:35:05 AM	Y
325.2	327.2	0	11025	Passeriformes	0.9719963	Passerellidae	0.99503374	DESP	0.99109334	savspa	0.9981116	savspa	0.9981116	2025-08-29	3:56:25 AM	Y
105	106.6	0	11025	Passeriformes	0.97223324	Parulidae	0.9564393	SBUF	0.9407427	ovenbi1	0.973314	ovenbi1	0.973314	2025-08-29	5:12:45 AM	Y
327	328.6	0	11025	Passeriformes	0.9721429	Parulidae	0.95582163			bawwar	0.98826736	bawwar	0.9882674	2025-08-29	9:14:27 PM	Y
230.6	232.4	0	11025	Passeriformes	0.968845	Parulidae	0.9454004	ZEEP	0.94284725	norwat	0.9999496	norwat	0.9999496	2025-08-29	9:12:51 PM	Y
333.2	334.6	0	11025	Passeriformes	0.96750456	Parulidae	0.93626285	ZEEP	0.93116724	norwat	0.99643207	norwat	0.9964321	2025-08-29	9:14:33 PM	Y
17.2	18.6	0	11025	Passeriformes	0.95765877	Parulidae	0.92350256	BZWA	0.96421933	chswar	0.93191826	chswar	0.9319183	2025-08-29	9:29:17 PM	Y
446	447.2	0	11025	Passeriformes	0.97209036	Parulidae	0.9511739	ZEEP	0.9489689	norwat	0.9303359	norwat	0.9303359	2025-08-29	9:36:26 PM	Y
243.4	245.2	0	11025	Passeriformes	0.9721671	Parulidae	0.9563833			amered	0.90201813	amered	0.9020181	2025-08-29	9:53:03 PM	Y
230.4	232.2	0	11025	Passeriformes	0.9720247	Parulidae	0.95530623	BZWA	0.9824953	comyel	0.9999988	comyel	0.9999988	2025-08-29	9:52:50 PM	Y
373.2	374.6	0	11025	Passeriformes	0.955187	Parulidae	0.887494	BZWA	0.9422246	comyel	0.9990972	comyel	0.9990972	2025-08-29	9:55:13 PM	Y
441.6	443	0	11025	Passeriformes	0.9715128	Parulidae	0.95527554	BZWA	0.9794741	comyel	0.999995	comyel	0.999995	2025-08-29	9:56:22 PM	Y
99.6	101.4	0	11025	Passeriformes	0.97214735	Parulidae	0.9550935	MWAR	0.99891853	mouwar	0.9957438	mouwar	0.9957438	2025-08-29	9:50:40 PM	Y
116.8	118.6	0	11025	Passeriformes	0.9720782	Parulidae	0.95529395			wlswar	0.9948485	wlswar	0.9948485	2025-08-29	9:50:57 PM	Y
332.4	334.2	0	11025	Passeriformes	0.9722128	Parulidae	0.95441335	ZEEP	0.9598034	norwat	0.99999964	norwat	0.9999996	2025-08-29	10:34:32 PM	Y
339.4	341	0	11025	Passeriformes	0.9712431	Parulidae	0.95201147	ZEEP	0.9604682	norwat	0.99756765	norwat	0.9975677	2025-08-29	10:34:39 PM	Y
356.2	358	0	11025	Passeriformes	0.97058153	Parulidae	0.9445883	ZEEP	0.9592395	norwat	0.9999993	norwat	0.9999993	2025-08-29	10:34:56 PM	Y

Table 9: 2025 Summer Acoustic Monitoring Period - Nighthawk Results - Aulds Cove Wind Project

Begin Time (s)	End Time (s)	Low Freq (Hz)	High Freq (Hz)	Order	Prob_Order	Family	Prob_Family	Group	Prob_Group	Species	Prob_Species	Predicted_Category	Prob	Date	Time	Annotation
556.8	558.6	0	11025	Passeriformes	0.96249855	Passerellidae	0.99238104	DESP	0.9869177	savspa	0.99033093	savspa	0.9903309	2025-08-29	10:38:17 PM	Y
200.8	202.6	0	11025	Passeriformes	0.9713623	Parulidae	0.9542467	SBUF	0.93393624	ovenbi1	0.9740713	ovenbi1	0.9740713	2025-08-30	9:10:21 PM	Y
212.4	214.2	0	11025	Passeriformes	0.9705828	Parulidae	0.9546635	SBUF	0.87302196	ovenbi1	0.9413717	ovenbi1	0.9413717	2025-08-30	9:10:32 PM	Y
81.4	83	0	11025	Passeriformes	0.9701656	Parulidae	0.951323			amered	0.9002623	amered	0.9002623	2025-08-30	9:28:21 PM	Y
230	231.6	0	11025	Passeriformes	0.97215545	Parulidae	0.95631456			amered	0.90309197	amered	0.903092	2025-08-30	9:30:50 PM	Y
124.2	126	0	11025	Passeriformes	0.97213316	Parulidae	0.95598525			bawwar	0.9999708	bawwar	0.9999708	2025-08-30	9:29:04 PM	Y
302.4	303.6	0	11025	Passeriformes	0.9690396	Parulidae	0.9489296	SBUF	0.91974896	palwar	0.99999976	palwar	0.9999998	2025-08-30	9:32:02 PM	Y
440.2	442	0	11025	Passeriformes	0.972001	Parulidae	0.95451176	ZEEP	0.96102077	norwat	0.9995882	norwat	0.9995882	2025-08-30	9:54:20 PM	Y
16.2	17.8	0	11025	Passeriformes	0.96696603	Parulidae	0.9093345	DEWA	0.99920976	norpar	0.94237304	norpar	0.942373	2025-08-30	10:27:16 PM	Y
111	112.8	0	11025	Passeriformes	0.9722315	Parulidae	0.9555913	ZEEP	0.9619982	norwat	0.99999774	norwat	0.9999977	2025-08-30	10:28:51 PM	Y
569.8	571.6	0	11025	Passeriformes	0.9721958	Parulidae	0.95547813	ZEEP	0.9618535	norwat	0.99999964	norwat	0.9999996	2025-08-30	10:36:30 PM	Y
322.2	324	0	11025	Passeriformes	0.9722102	Passerellidae	0.99555284	DESP	0.9919607	savspa	0.99849904	savspa	0.998499	2025-08-31	12:52:22 AM	Y
333.6	335.2	0	11025	Passeriformes	0.97223747	Parulidae	0.9564896			bawwar	0.99999964	bawwar	0.9999996	2025-08-31	1:52:34 AM	Y
126.8	128.6	0	11025	Passeriformes	0.97216403	Parulidae	0.95566297	BZWA	0.98218805	comyel	0.9999999	comyel	0.9999999	2025-08-31	1:49:07 AM	Y
583	584.8	0	11025	Passeriformes	0.97217035	Parulidae	0.95612353	BZWA	0.9831078	comyel	0.9999999	comyel	0.9999999	2025-08-31	1:56:43 AM	Y
79.8	81.2	0	11025	Passeriformes	0.9720551	Parulidae	0.954018	SBUF	0.92798245	palwar	0.9999999	palwar	0.9999999	2025-08-31	1:48:20 AM	Y
438.6	440.2	0	11025	Passeriformes	0.9718712	Parulidae	0.9543017	BZWA	0.9825196	chswar	0.96509624	chswar	0.9650962	2025-08-31	3:14:19 AM	Y
86.8	88.2	0	11025	Passeriformes	0.9609515	Parulidae	0.92574596			wlswar	0.9877631	wlswar	0.9877631	2025-08-31	3:08:27 AM	Y
235.4	237	0	11025	Passeriformes	0.972202	Parulidae	0.956165			bawwar	0.9993765	bawwar	0.9993765	2025-08-31	3:30:55 AM	Y
76.8	78.2	0	11025	Passeriformes	0.96542346	Passerellidae	0.98406327	SFHS	0.9679933	whtspa	0.99176157	whtspa	0.9917616	2025-08-31	3:28:17 AM	Y
573	574.6	0	11025	Passeriformes	0.9722063	Parulidae	0.9563583	ZEEP	0.9589745	camwar	0.97876614	camwar	0.9787661	2025-08-31	10:14:33 PM	Y
582.6	584.4	0	11025	Passeriformes	0.9721183	Parulidae	0.9555561	ZEEP	0.95783603	camwar	0.999972	camwar	0.999972	2025-08-31	10:14:43 PM	Y
1.4	2.8	0	11025	Passeriformes	0.9720777	Parulidae	0.9541601	DEWA	0.99998975	norpar	0.9999496	norpar	0.9999496	2025-08-31	10:05:01 PM	Y
281.6	283.2	0	11025	Passeriformes	0.97139525	Passerellidae	0.9951676	SFHS	0.98762256	whtspa	0.9973471	whtspa	0.9973471	2025-08-31	10:29:42 PM	Y
364.6	366	0	11025	Passeriformes	0.9608904	Parulidae	0.9350188	BZWA	0.9728084	chswar	0.8765311	chswar	0.8765311	2025-08-31	10:51:05 PM	Y
135.4	137.2	0	11025	Passeriformes	0.9699055	Parulidae	0.9498964	BZWA	0.97978175	comyel	0.9999995	comyel	0.9999995	2025-08-31	10:47:15 PM	Y
151.6	153.4	0	11025	Passeriformes	0.9721719	Parulidae	0.9560013	BZWA	0.9830313	comyel	0.9999995	comyel	0.9999995	2025-08-31	10:47:32 PM	Y
228.4	230.2	0	11025	Charadriiformes	0.97863036	Scolopacidae	0.99335057			leasan	0.99999917	leasan	0.9999992	2025-08-31	10:48:48 PM	Y
66	67.8	0	11025	Passeriformes	0.97185856	Parulidae	0.92889166	DEWA	0.9999654	norpar	0.9994923	norpar	0.9994923	2025-08-31	10:46:06 PM	Y
88.2	89.8	0	11025	Passeriformes	0.9721388	Parulidae	0.9533744	DEWA	0.9999912	norpar	0.99996495	norpar	0.999965	2025-08-31	10:46:28 PM	Y
271.2	272.8	0	11025	Passeriformes	0.9722304	Parulidae	0.9558616	ZEEP	0.9625339	norwat	0.9947954	norwat	0.9947954	2025-08-31	10:49:31 PM	Y
468.6	470.4	0	11025	Passeriformes	0.9721737	Parulidae	0.9560785	SBUF	0.939772	ovenbi1	0.9814245	ovenbi1	0.9814245	2025-08-31	10:52:49 PM	Y
249.6	251	0	11025	Passeriformes	0.9721657	Parulidae	0.9523882	SBUF	0.93220013	palwar	0.9999993	palwar	0.9999993	2025-08-31	10:49:10 PM	Y
301.8	303.4	0	11025	Passeriformes	0.96949446	Parulidae	0.9548343			amered	0.9005292	amered	0.9005292	2025-08-31	11:10:02 PM	Y
47.8	49.6	0	11025	Passeriformes	0.9722172	Parulidae	0.9562726			canwar	0.9969959	canwar	0.9969959	2025-08-31	11:05:48 PM	Y
346.6	348	0	11025	Passeriformes	0.97132844	Parulidae	0.95304316	BZWA	0.9804514	chswar	0.96647245	chswar	0.9664724	2025-08-31	11:10:47 PM	Y
249.2	250.8	0	11025	Passeriformes	0.97191423	Parulidae	0.9545716	MWAR	0.9987105	mouwar	0.98322856	mouwar	0.9832286	2025-08-31	11:09:09 PM	Y
309.8	311.6	0	11025	Passeriformes	0.9722053	Parulidae	0.9559007	MWAR	0.99917966	mouwar	0.99776983	mouwar	0.9977698	2025-08-31	11:10:10 PM	Y
509.4	511.2	0	11025	Passeriformes	0.9722258	Parulidae	0.95605147	MWAR	0.9991835	mouwar	0.997315	mouwar	0.997315	2025-08-31	11:13:29 PM	Y
310.8	312.6	0	11025	Passeriformes	0.9677011	Parulidae	0.84373075	DEWA	0.9999424	norpar	0.99537945	norpar	0.9953794	2025-08-31	11:10:11 PM	Y
329.6	331.2	0	11025	Passeriformes	0.9693382	Parulidae	0.9084916	DEWA	0.99993694	norpar	0.99753666	norpar	0.9975367	2025-08-31	11:10:30 PM	Y
479.8	481.4	0	11025	Passeriformes	0.9709132	Parulidae	0.94509983	ZEEP	0.93631905	norwat	0.9997627	norwat	0.9997627	2025-08-31	11:13:00 PM	Y
159.8	161.4	0	11025	Passeriformes	0.96030754	Parulidae	0.9330161	SBUF	0.9064049	ovenbi1	0.9212129	ovenbi1	0.9212129	2025-08-31	11:07:40 PM	Y
450.6	452.4	0	11025	Passeriformes	0.97222567	Parulidae	0.9561901	SBUF	0.9207245	ovenbi1	0.9717236	ovenbi1	0.9717236	2025-08-31	11:12:31 PM	Y
199.2	200.8	0	11025	Passeriformes	0.96822876	Parulidae	0.9451701	SBUF	0.89797455	palwar	0.9992374	palwar	0.9992374	2025-08-31	11:08:19 PM	Y

Table 9: 2025 Summer Acoustic Monitoring Period - Nighthawk Results - Aulds Cove Wind Project

Begin Time (s)	End Time (s)	Low Freq (Hz)	High Freq (Hz)	Order	Prob_Order	Family	Prob_Family	Group	Prob_Group	Species	Prob_Species	Predicted_Category	Prob	Date	Time	Annotation
557.4	559.2	0	11025	Passeriformes	0.97218496	Parulidae	0.95562464	MWAR	0.99887854	mouwar	0.9704964	mouwar	0.9704964	2025-09-01	12:14:17 AM	Y
550.2	551.4	0	11025	Passeriformes	0.97218174	Parulidae	0.9558189	DEWA	0.99938095	norpar	0.9838254	norpar	0.9838254	2025-09-01	12:14:10 AM	Y
238.6	240.4	0	11025	Passeriformes	0.9721476	Parulidae	0.95645654			amered	0.9028086	amered	0.9028086	2025-09-01	12:28:59 AM	Y
250.8	252.6	0	11025	Passeriformes	0.97210175	Parulidae	0.95631087			amered	0.9029729	amered	0.9029729	2025-09-01	12:29:11 AM	Y
347.8	349.4	0	11025	Passeriformes	0.9721859	Parulidae	0.95621824			amered	0.89698863	amered	0.8969886	2025-09-01	12:30:48 AM	Y
97.4	99	0	11025	Passeriformes	0.9722254	Parulidae	0.9563981			bawwar	0.99999726	bawwar	0.9999973	2025-09-01	12:26:37 AM	Y
241.6	243.2	0	11025	Passeriformes	0.9722377	Parulidae	0.9564741			bawwar	0.9999999	bawwar	0.9999999	2025-09-01	12:29:02 AM	Y
323.2	324.8	0	11025	Passeriformes	0.97222704	Parulidae	0.9564819			bawwar	0.999997	bawwar	0.999997	2025-09-01	12:30:23 AM	Y
347.6	349.2	0	11025	Passeriformes	0.9721891	Parulidae	0.9557246			bawwar	0.9930072	bawwar	0.9930072	2025-09-01	12:30:48 AM	Y
554.8	556.6	0	11025	Passeriformes	0.97223467	Parulidae	0.9564677			bawwar	0.9999974	bawwar	0.9999974	2025-09-01	12:34:15 AM	Y
17.4	19.2	0	11025	Passeriformes	0.97204494	Parulidae	0.9553119	BZWA	0.98257256	comyel	0.99937695	comyel	0.999377	2025-09-01	12:25:17 AM	Y
94	95.6	0	11025	Passeriformes	0.9718688	Parulidae	0.95421404	BZWA	0.9804288	comyel	0.9999995	comyel	0.9999995	2025-09-01	12:26:34 AM	Y
149.8	151.2	0	11025	Passeriformes	0.97175545	Parulidae	0.9549396	BZWA	0.9815637	comyel	0.9996637	comyel	0.9996637	2025-09-01	12:27:30 AM	Y
241.4	242.8	0	11025	Passeriformes	0.97209686	Parulidae	0.9562914	BZWA	0.9801917	comyel	0.9999999	comyel	0.9999999	2025-09-01	12:29:01 AM	Y
353	354.6	0	11025	Passeriformes	0.9660216	Parulidae	0.9254802	DEWA	0.999765	norpar	0.9972817	norpar	0.9972817	2025-09-01	12:30:53 AM	Y
500.2	501.8	0	11025	Passeriformes	0.96994025	Parulidae	0.89891	DEWA	0.99982303	norpar	0.9978758	norpar	0.9978758	2025-09-01	12:33:20 AM	Y
249.6	251.4	0	11025	Passeriformes	0.97213733	Parulidae	0.9491105	ZEEP	0.95266944	norwat	0.99999726	norwat	0.9999973	2025-09-01	12:29:10 AM	Y
345.4	347	0	11025	Passeriformes	0.97221565	Parulidae	0.95631844	SBUF	0.9404071	ovenbi1	0.9816736	ovenbi1	0.9816736	2025-09-01	12:30:45 AM	Y
357.6	359.4	0	11025	Passeriformes	0.9721683	Parulidae	0.9562673	SBUF	0.92339617	ovenbi1	0.95925915	ovenbi1	0.9592592	2025-09-01	12:30:58 AM	Y
35	36.8	0	11025	Passeriformes	0.97223747	Passerellidae	0.99557185	DESP	0.99196374	savspa	0.9985184	savspa	0.9985184	2025-09-01	12:45:35 AM	Y
541.8	543.6	0	11025	Passeriformes	0.97194237	Passerellidae	0.99473417	DESP	0.98770964	savspa	0.9952551	savspa	0.9952551	2025-09-01	1:54:02 AM	Y
396.8	398.2	0	11025	Passeriformes	0.9721763	Parulidae	0.955385	MWAR	0.9988726	mouwar	0.9867423	mouwar	0.9867423	2025-09-01	2:11:37 AM	Y
2.4	4.2	0	11025	Passeriformes	0.97194606	Parulidae	0.95517164	BZWA	0.98206365	comyel	0.9999995	comyel	0.9999995	2025-09-01	2:25:02 AM	Y
35.6	37.2	0	11025	Passeriformes	0.9721522	Parulidae	0.9555669	BZWA	0.983105	comyel	0.9999999	comyel	0.9999999	2025-09-01	2:25:36 AM	Y
167.8	169.4	0	11025	Passeriformes	0.97136474	Parulidae	0.9541223	MWAR	0.9984995	mouwar	0.9647899	mouwar	0.9647899	2025-09-01	2:27:48 AM	Y
175.8	177.6	0	11025	Passeriformes	0.972224	Parulidae	0.95577633	MWAR	0.999116	mouwar	0.9951578	mouwar	0.9951578	2025-09-01	2:27:56 AM	Y
255.2	256.8	0	11025	Passeriformes	0.9644924	Parulidae	0.92698467	SBUF	0.83540404	palwar	0.99999654	palwar	0.9999965	2025-09-01	2:29:15 AM	Y
465.4	467	0	11025	Passeriformes	0.96434236	Passerellidae	0.9906262	SFHS	0.91531634	whtspa	0.8989213	whtspa	0.8989213	2025-09-01	5:12:45 AM	Y
483	484.8	0	11025	Passeriformes	0.9719712	Passerellidae	0.99525166	DESP	0.99134374	savspa	0.9979366	savspa	0.9979366	2025-09-01	9:12:03 PM	Y
488.8	490.6	0	11025	Passeriformes	0.9704817	Passerellidae	0.99473476	DESP	0.99028	savspa	0.99740005	savspa	0.9974	2025-09-02	12:12:09 AM	Y
38.2	40	0	11025	Passeriformes	0.9720871	Passerellidae	0.9948059	DESP	0.9879837	savspa	0.99194807	savspa	0.9919481	2025-09-02	1:04:38 AM	Y
25.4	27	0	11025	Passeriformes	0.9721904	Passerellidae	0.995531	SFHS	0.99001175	whtspa	0.9985543	whtspa	0.9985543	2025-09-02	1:04:25 AM	Y
43.4	45.2	0	11025	Passeriformes	0.9721122	Passerellidae	0.99545574	SFHS	0.98983324	whtspa	0.9984479	whtspa	0.9984479	2025-09-02	1:04:43 AM	Y
557.4	559.2	0	11025	Passeriformes	0.9719819	Cardinalidae	0.9891177	GROS	0.99767727	robgro	0.99907386	robgro	0.9990739	2025-09-02	9:11:17 PM	Y
207.2	208.8	0	11025	Passeriformes	0.9721016	Parulidae	0.9549426	ZEEP	0.96180683	norwat	0.99993837	norwat	0.9999384	2025-09-02	10:05:27 PM	Y
298.4	299.6	0	11025	Passeriformes	0.9708256	Passerellidae	0.9935462	DESP	0.98656857	savspa	0.98009884	savspa	0.9800988	2025-09-02	10:06:58 PM	Y
166.4	168	0	11025	Passeriformes	0.9719416	Passerellidae	0.99509156	DESP	0.9909445	savspa	0.99757606	savspa	0.9975761	2025-09-03	1:04:46 AM	Y
542.2	544	0	11025	Passeriformes	0.97181827	Passerellidae	0.9948797	SFHS	0.9881368	whtspa	0.9965988	whtspa	0.9965988	2025-09-03	1:11:02 AM	Y
267.8	269.4	0	11025	Passeriformes	0.9722047	Parulidae	0.95625496	BZWA	0.982018	comyel	0.9999999	comyel	0.9999999	2025-09-03	11:44:28 PM	Y
420.4	422.2	0	11025	Passeriformes	0.9708056	Passerellidae	0.9935075	DESP	0.98656124	savspa	0.9969795	savspa	0.9969795	2025-09-03	11:47:00 PM	Y
532.4	533.8	0	11025	Passeriformes	0.9720178	Turdidae	0.95849013	THSH	0.94478405	veery	0.9367322	veery	0.9367322	2025-09-03	11:48:52 PM	Y
296.2	298	0	11025	Passeriformes	0.9720871	Passerellidae	0.99540377	DESP	0.99153906	savspa	0.9983065	savspa	0.9983065	2025-09-04	12:04:56 AM	Y
497.8	499.4	0	11025	Passeriformes	0.971211	Parulidae	0.9505014	SBUF	0.91104686	palwar	0.999998	palwar	0.999998	2025-09-04	12:28:18 AM	Y
587	588.8	0	11025	Passeriformes	0.97221166	Passerellidae	0.9955591	SFHS	0.9900828	whtspa	0.9983619	whtspa	0.9983619	2025-09-04	12:49:47 AM	Y
4.8	6.6	0	11025	Passeriformes	0.97218263	Passerellidae	0.99536765	DESP	0.9914635	savspa	0.9981793	savspa	0.9981793	2025-09-04	2:20:05 AM	Y

Table 9: 2025 Summer Acoustic Monitoring Period - Nighthawk Results - Aulds Cove Wind Project

Begin Time (s)	End Time (s)	Low Freq (Hz)	High Freq (Hz)	Order	Prob_Order	Family	Prob_Family	Group	Prob_Group	Species	Prob_Species	Predicted_Category	Prob	Date	Time	Annotation
381	382.8	0	11025	Passeriformes	0.9721986	Passerellidae	0.99548644	SFHS	0.9898441	whtspa	0.9973334	whtspa	0.9973334	2025-09-04	2:26:21 AM	Y
170.2	171.8	0	11025	Charadriiformes	0.98134834	Charadriidae	0.99961734			semplo	0.98169357	semplo	0.9816936	2025-09-04	5:02:50 AM	Y
205	207	0	11025	Charadriiformes	0.9811152	Charadriidae	0.9996082			semplo	0.9856082	semplo	0.9856082	2025-09-04	5:03:25 AM	Y
509.6	511.4	0	11025	Passeriformes	0.9710409	Parulidae	0.9425077	DEWA	0.99996734	norpar	0.9996093	norpar	0.9996093	2025-09-05	12:06:30 AM	Y
262	263.8	0	11025	Passeriformes	0.9721987	Passerellidae	0.9954541	SFHS	0.9899567	whtspa	0.99843436	whtspa	0.9984344	2025-09-05	12:02:22 AM	Y
58.2	59.8	0	11025	Passeriformes	0.94134396	Passerellidae	0.97856176	SFHS	0.9622292	whtspa	0.99083203	whtspa	0.990832	2025-09-05	12:38:58 AM	Y
69.4	71.2	0	11025	Passeriformes	0.9716343	Passerellidae	0.9951304	SFHS	0.9895796	whtspa	0.99735534	whtspa	0.9973553	2025-09-05	12:39:09 AM	Y
61.2	62.8	0	11025	Passeriformes	0.95950955	Passerellidae	0.9932335	SFHS	0.981154	whtspa	0.9928296	whtspa	0.9928296	2025-09-05	2:19:01 AM	Y
545.6	547.4	0	11025	Passeriformes	0.9714526	Passerellidae	0.9949307	SFHS	0.98841	whtspa	0.9980269	whtspa	0.9980269	2025-09-05	4:47:06 AM	Y
572.8	574.6	0	11025	Passeriformes	0.9715385	Passerellidae	0.9948679	SFHS	0.9889882	whtspa	0.9981833	whtspa	0.9981833	2025-09-05	4:47:33 AM	Y
303.4	305.2	0	11025	Passeriformes	0.97026503	Passerellidae	0.9939511	DESP	0.9888222	savspa	0.99580777	savspa	0.9958078	2025-09-07	12:59:03 AM	Y
425.8	427.4	0	11025	Charadriiformes	0.98101074	Scolopacidae	0.9955877			solsan	0.975216	solsan	0.975216	2025-09-07	2:41:06 AM	Y
322.4	324	0	11025	Passeriformes	0.9722248	Parulidae	0.9564572			bawwar	0.9999995	bawwar	0.9999995	2025-09-08	9:15:22 PM	Y
583.6	585	0	11025	Passeriformes	0.9703517	Parulidae	0.94358325	BZWA	0.9698281	comyel	0.9991153	comyel	0.9991153	2025-09-08	9:19:44 PM	Y
171.4	173.2	0	11025	Passeriformes	0.9722058	Parulidae	0.95615786	BZWA	0.9832062	comyel	0.9999999	comyel	0.9999999	2025-09-08	9:12:51 PM	Y
597.8	599.6	0	11025	Passeriformes	0.97212136	Parulidae	0.9541087	DEWA	0.9999894	norpar	0.9999219	norpar	0.9999219	2025-09-08	9:19:58 PM	Y
355.2	357	0	11025	Passeriformes	0.9397897	Parulidae	0.93520546	SBUF	0.8973683	ovenbi1	0.920036	ovenbi1	0.920036	2025-09-08	9:15:55 PM	Y
313.2	315	0	11025	Passeriformes	0.97218394	Parulidae	0.9562628			amered	0.9023788	amered	0.9023788	2025-09-08	9:35:13 PM	Y
518.4	520.2	0	11025	Passeriformes	0.972235	Parulidae	0.9564447			bawwar	0.99999595	bawwar	0.9999959	2025-09-08	9:38:38 PM	Y
300.8	302.2	0	11025	Passeriformes	0.9721972	Parulidae	0.95506716	ZEEP	0.9569544	norwat	0.99998975	norwat	0.9999897	2025-09-08	9:35:01 PM	Y
382.8	384.6	0	11025	Passeriformes	0.9719659	Parulidae	0.95605457	SBUF	0.9372503	ovenbi1	0.98147595	ovenbi1	0.9814759	2025-09-08	9:36:23 PM	Y
432	433.8	0	11025	Passeriformes	0.9718755	Parulidae	0.9547215	SBUF	0.9108093	ovenbi1	0.93910867	ovenbi1	0.9391087	2025-09-08	9:37:12 PM	Y
478.8	480	0	11025	Passeriformes	0.97080404	Passerellidae	0.9940988	SFHS	0.98379725	whtspa	0.99623007	whtspa	0.9962301	2025-09-08	10:17:59 PM	Y
91	92.8	0	11025	Passeriformes	0.97066486	Passerellidae	0.9945768	SFHS	0.9878812	whtspa	0.9981495	whtspa	0.9981495	2025-09-08	10:31:31 PM	Y
346	347.4	0	11025	Passeriformes	0.97221327	Parulidae	0.9524542	DEWA	0.99998975	norpar	0.99995255	norpar	0.9999526	2025-09-08	10:55:46 PM	Y
91.4	93.2	0	11025	Passeriformes	0.970842	Passerellidae	0.9942053	SFHS	0.9853056	whtspa	0.99660987	whtspa	0.9966099	2025-09-09	1:11:31 AM	Y
238.6	240	0	11025	Charadriiformes	0.9788422	Scolopacidae	0.9947509			leasan	0.99999976	leasan	0.9999998	2025-09-09	4:33:59 AM	Y
242.4	244.2	0	11025	Passeriformes	0.97117245	Passerellidae	0.9928323	DESP	0.9875581	savspa	0.9963845	savspa	0.9963845	2025-09-09	4:54:02 AM	Y
546.6	548.2	0	11025	Passeriformes	0.9718512	Passerellidae	0.99535745	SFHS	0.9893758	whtspa	0.9978611	whtspa	0.9978611	2025-09-09	5:19:07 AM	Y

Table 10: Fall 2024 Manual Listening Results - Aulds Cove Wind Project

Project #24-10440

Common Name	Scientific Name	COSEWIC	SARA	ESA	S-Rank	Total Count
American Crow	<i>Corvus brachyrhynchos</i>	Not Listed	Not Listed	Not Listed	S5	12
American Goldfinch	<i>Spinus tristis</i>	Not Listed	Not Listed	Not Listed	S5	15
American Redstart	<i>Setophaga ruticilla</i>	Not Listed	Not Listed	Not Listed	S5B	6
American Robin	<i>Turdus migratorius</i>	Not Listed	Not Listed	Not Listed	S5B,S3N	5
Bald Eagle	<i>Haliaeetus leucocephalus</i>	Not at Risk	Not Listed	Not Listed	S5	1
Bay-breasted Warbler	<i>Setophaga castanea</i>	Not Listed	Not Listed	Not Listed	S3S4B,S4S5M	1
Black-and-white Warbler	<i>Mniotilta varia</i>	Not Listed	Not Listed	Not Listed	S5B	21
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>	Not Listed	Not Listed	Not Listed	S3B	1
Black-capped Chickadee	<i>Poecile atricapilla</i>	Not Listed	Not Listed	Not Listed	S5	40
Blackpoll Warbler	<i>Setophaga striata</i>	Not Listed	Not Listed	Not Listed	S3B,S5M	4
Black-throated Green Warbler	<i>Setophaga virens</i>	Not Listed	Not Listed	Not Listed	S5B	2
Blue Jay	<i>Cyanocitta cristata</i>	Not Listed	Not Listed	Not Listed	S5	9
Blue-headed Vireo	<i>Vireo solitarius</i>	Not Listed	Not Listed	Not Listed	S5B	1
Boreal Chickadee	<i>Poecile hudsonica</i>	Not Listed	Not Listed	Not Listed	S3	1
Canada Jay	<i>Perisoreus canadensis</i>	Not Listed	Not Listed	Not Listed	S3	6
Cape May Warbler	<i>Setophaga tigrina</i>	Not Listed	Not Listed	Not Listed	S3B,SUM	5
Cedar Waxwing	<i>Bombycilla cedrorum</i>	Not Listed	Not Listed	Not Listed	S5B	6
Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>	Not Listed	Not Listed	Not Listed	S5B	2
Common Loon	<i>Gavia immer</i>	Not at Risk	Not Listed	Not Listed	S4B	3
Common Raven	<i>Corvus corax</i>	Not Listed	Not Listed	Not Listed	S5	5
Common Yellowthroat	<i>Geothlypis trichas</i>	Not Listed	Not Listed	Not Listed	S5B	31
Downy Woodpecker	<i>Dryobates pubescens</i>	Not Listed	Not Listed	Not Listed	S5	4
Golden-crowned Kinglet	<i>Regulus satrapa</i>	Not Listed	Not Listed	Not Listed	S5	6
Magnolia Warbler	<i>Setophaga magnolia</i>	Not Listed	Not Listed	Not Listed	S5B	10
Mourning Warbler	<i>Geothlypis philadelphia</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	1
Northern Flicker	<i>Colaptes auratus</i>	Not Listed	Not Listed	Not Listed	S5B	3
Northern Parula	<i>Setophaga americana</i>	Not Listed	Not Listed	Not Listed	S5B	11
Northern Waterthrush	<i>Parkesia noveboracensis</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	4
Ovenbird	<i>Seiurus aurocapilla</i>	Not Listed	Not Listed	Not Listed	S5B	5
Palm Warbler	<i>Setophaga palmarum</i>	Not Listed	Not Listed	Not Listed	S5B	2
Pine Siskin	<i>Spinus pinus</i>	Not Listed	Not Listed	Not Listed	S3	2
Purple Finch	<i>Haemorhous purpureus</i>	Not Listed	Not Listed	Not Listed	S4S5B,S3S4N,S5M	4
Red-breasted Nuthatch	<i>Sitta canadensis</i>	Not Listed	Not Listed	Not Listed	S4S5	6

Table 10: Fall 2024 Manual Listening Results - Aulds Cove Wind Project

Project #24-10440

Common Name	Scientific Name	COSEWIC	SARA	ESA	S-Rank	Total Count
Red-eyed Vireo	<i>Vireo olivaceus</i>	Not Listed	Not Listed	Not Listed	S5B	1
Savannah Sparrow	<i>Passerculus sandwichensis</i>	Not Listed	Not Listed	Not Listed	S4S5B,S5M	4
Short-billed Dowitcher	<i>Limnodromus griseus</i>	Threatened	Not Listed	Not Listed	S3M	5
Song Sparrow	<i>Melospiza melodia</i>	Not Listed	Not Listed	Not Listed	S5B	7
Swainson's Thrush	<i>Catharus ustulatus</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	7
Tennessee Warbler	<i>Leiothlypis peregrina</i>	Not Listed	Not Listed	Not Listed	S3S4B,S5M	1
White-throated Sparrow	<i>Zonotrichia albicollis</i>	Not Listed	Not Listed	Not Listed	S4S5B,S5M	5
Yellow Warbler	<i>Setophaga petechia</i>	Not Listed	Not Listed	Not Listed	S5B	1
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	Not Listed	Not Listed	Not Listed	S5B	1
Yellow-rumped Warbler	<i>Setophaga coronata</i>	Not Listed	Not Listed	Not Listed	S5B	22
Unknown warbler sp.	N/A	N/A	N/A	N/A	N/A	46
Unknown woodpecker sp.	N/A	N/A	N/A	N/A	N/A	1

Table 11: Spring 2025 Manual Listening Results - Aulds Cove Wind Project

Project #24-10440

Common Name	Scientific Name	COSEWIC	SARA	ESA	S-Rank	Total Count
American Robin	<i>Turdus migratorius</i>	Not Listed	Not Listed	Not Listed	S5B, S3N	2
American Woodcock	<i>Scolopax minor</i>	Not Listed	Not Listed	Not Listed	S5B	7
Barred Owl	<i>Strix varia</i>	Not Listed	Not Listed	Not Listed	S5	7
Common Loon	<i>Gavia immer</i>	Not at Risk	Not Listed	Not Listed	S4B	5
Common Raven	<i>Corvus corax</i>	Not Listed	Not Listed	Not Listed	S5	1
Dark-eyed Junco	<i>Junco hyemalis</i>	Not Listed	Not Listed	Not Listed	S4S5	1
Hermit Thrush	<i>Catharus guttatus</i>	Not Listed	Not Listed	Not Listed	S5B	4
Least Flycatcher	<i>Empidonax minimus</i>	Not Listed	Not Listed	Not Listed	S4S5B, S5M	1
Northern Saw-whet Owl	<i>Aegolius acadicus</i>	Not Listed	Not Listed	Not Listed	S4B, SUM	2
Palm Warbler	<i>Setophaga palmarum</i>	Not Listed	Not Listed	Not Listed	S5B	1
Purple Finch	<i>Haemorhous purpureus</i>	Not Listed	Not Listed	Not Listed	S4S5B, S3S4N, S5M	1
Savannah Sparrow	<i>Passerculus sandwichensis</i>	Not Listed	Not Listed	Not Listed	S4S5B, S5M	1
Song Sparrow	<i>Melospiza melodia</i>	Not Listed	Not Listed	Not Listed	S5B	1
Swamp Sparrow	<i>Melospiza georgiana</i>	Not Listed	Not Listed	Not Listed	S5B	3
White-throated Sparrow	<i>Zonotrichia albicollis</i>	Not Listed	Not Listed	Not Listed	S4S5B, S5M	7
Yellow-rumped Warbler	<i>Setophaga coronata</i>	Not Listed	Not Listed	Not Listed	S5B	4

Table 12: Summer 2025 Manual Listening Results - Aulds Cove Wind Project

Project #24-10440

Common Name	Scientific Name	COSEWIC	SARA	ESA	S-Rank	Total Count
American Robin	<i>Turdus migratorius</i>	Not Listed	Not Listed	Not Listed	S5B,S3N	1
Black-capped Chickadee	<i>Parus atricapilla</i>	Not Listed	Not Listed	Not Listed	S5	2
Canada Jay	<i>Perisoreus canadensis</i>	Not Listed	Not Listed	Not Listed	S3	1
Cedar Waxwing	<i>Bombycilla cedrorum</i>	Not Listed	Not Listed	Not Listed	S5B	2
Common Loon	<i>Gavia immer</i>	Not at Risk	Not Listed	Not Listed	S4B	1
Common Nighthawk	<i>Chordeiles minor</i>	Special Concern	Special Concern	Threatened	S3B	12
Common Raven	<i>Corvus corax</i>	Not Listed	Not Listed	Not Listed	S5	1
Golden-crowned Kinglet	<i>Regulus satrapa</i>	Not Listed	Not Listed	Not Listed	S5	1
Hermit Thrush	<i>Catharus guttatus</i>	Not Listed	Not Listed	Not Listed	S5B	2
Northern Saw-whet Owl	<i>Aegolius acadicus</i>	Not Listed	Not Listed	Not Listed	S4B,SUM	1
Ovenbird	<i>Seiurus aurocapilla</i>	Not Listed	Not Listed	Not Listed	S5B	2
Palm Warbler	<i>Setophaga palmarum</i>	Not Listed	Not Listed	Not Listed	S5B	2
Pileated Woodpecker	<i>Dryocopus pileatus</i>	Not Listed	Not Listed	Not Listed	S5	1
Savannah Sparrow	<i>Passerculus sandwichensis</i>	Not Listed	Not Listed	Not Listed	S4S5B,S5M	1
Spotted Sandpiper	<i>Actitis macularia</i>	Not Listed	Not Listed	Not Listed	S3S4B,S5M	1
Swainson's Thrush	<i>Catharus ustulatus</i>	Not Listed	Not Listed	Not Listed	S4B,S5M	3
Swamp Sparrow	<i>Melospiza georgiana</i>	Not Listed	Not Listed	Not Listed	S5B	2
White-throated Sparrow	<i>Zonotrichia albicollis</i>	Not Listed	Not Listed	Not Listed	S4S5B,S5M	2
Winter Wren	<i>Troglodytes hiemalis</i>	Not Listed	Not Listed	Not Listed	S5B	1

APPENDIX N

VISUAL SIMULATIONS

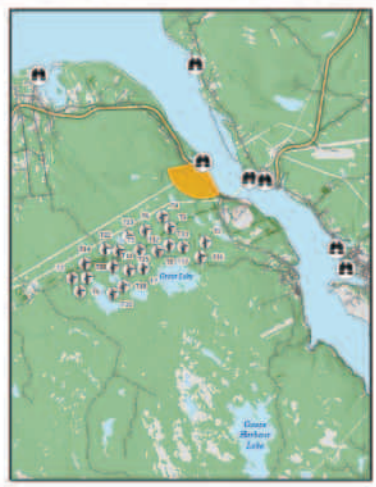


AULDS COVE WIND PROJECT



TECHNICAL INFORMATION

Visual Simulation Location:	Cove Hotel & Restaurant
View Coordinates:	Latitude: 45.6546277°N Longitude: 61.4395762°W Easting: 621576 m Northing: 5056860 m
Distance to Nearest Turbine:	2.8 km
Direction of View:	Southwest, 193°
Camera Make/ Model:	NIKON Z62
Lens:	50 mm
Image Resolution:	13203 x 3786
Weather Conditions:	Clear
Date of Photo:	2025/08/06
Time of Photo:	12:02
Photo Credit:	Strum Consulting



Proposed Turbine Location
Photo Location
Photo Field of View

References
1. Data Sources: GeoNova, Client
2. Maps: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, AeroGRID, IGN, and the GIS User Community
3. Projection: NAD83 UTM Zone 20

Date: 2025-12-04	Project #: 24-10440
Drawn By: E. Johnson	Drawing #: 1A
Checked By: D. Foster	
	

VISUAL SIMULATION



UNRENDERED PHOTO



AULDS COVE WIND PROJECT



TECHNICAL INFORMATION

Visual Simulation Location:	Celtic Shores Trail
View Coordinates:	Latitude: 45.6913262°N Longitude: 61.4426252°W Easting: 621259 m Northing: 5060932 m
Distance to Nearest Turbine:	6.5 km
Direction of View:	Southwest, 191°
Camera Make/ Model:	NIKON Z62
Lens:	50 mm
Image Resolution:	9606 x 3018
Weather Conditions:	Clear
Date of Photo:	2025/08/06
Time of Photo:	12:44
Photo Credit:	Strum Consulting



Proposed Turbine Location: 
Photo Location: 
Photo Field of View: 

0 3.5 7 km
SCALE 1:100,000

N


References
1. Data Sources: GeoNames, OpenStreetMap, Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
2. Projection: NAD83 UTM Zone 20

Date:	2025-12-04	Project #:	24-10440
Drawn By:	E. Johnson	Drawing #:	1B
Checked By:	D. Foster		
			

VISUAL SIMULATION



UNRENDERED PHOTO

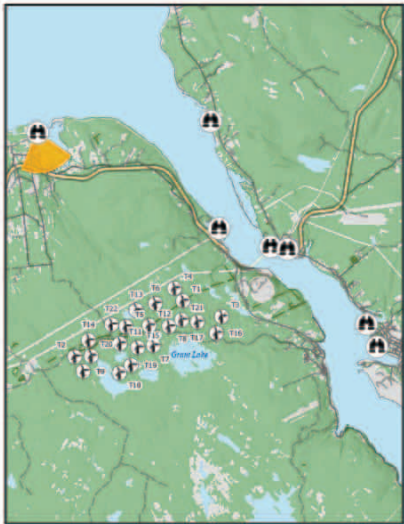


AULDS COVE WIND PROJECT

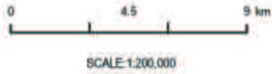


TECHNICAL INFORMATION

Visual Simulation Location: Havre Boucher Harbour
View Coordinates: Latitude: 45.6885532°N
Longitude: 61.5273318°W
Easting: 614668 m
Northing: 5060500 m
Distance to Nearest Turbine: 7.7 km
Direction of View: Southeast, 174°
Camera Make/ Model: NIKON Z62
Lens: 50 mm
Image Resolution: 13203 x 3786
Weather Conditions: Clear
Date of Photo: 2025/08/06
Time of Photo: 12:02
Photo Credit: Strum Consulting



Proposed Turbine Location
Photo Location
Photo Field of View



References
1. Data Sources: GeoNova, Client.
2. Basemaps: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
3. Projection: NAD83 UTM Zone 20

Date: 2025-12-04	Project #: 24-10440
Drawn By: E. Johnson	Drawing #: 1C
Checked By: D. Foster	



VISUAL SIMULATION



UNRENDERED PHOTO

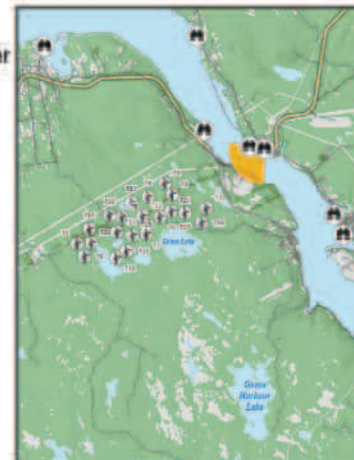


AULDS COVE WIND PROJECT



TECHNICAL INFORMATION

Visual Simulation Location: Port Hawkesbury Visitor Center
View Coordinates: Latitude: 45.647°N
Longitude: 61.4063269°W
Easting: 624184 m
Northing: 5056063 m
Distance to Nearest Turbine: 3.6km
Direction of View: Southwest, 230°
Camera Make/ Model: NIKON Z62
Lens: 50 mm
Image Resolution: 7744 x 2336
Weather Conditions: Clear
Date of Photo: 2025/08/06
Time of Photo: 10:37
Photo Credit: Strum Consulting



Proposed Turbine Location:
Photo Location:
Photo Field of View:

0 4.5 9 km
SCALE: 1:200,000



References

1. Data Sources: GeoNova, CIBR
2. Base Maps: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
3. Project: 1800001780 2016-20

Date: 2025-12-04	Project #: 24-10440
Drawn By: E. Johnson	Drawing #: 1D
Checked By: D. Foster	

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CONSULTING
19657

VISUAL SIMULATION



UNRENDERED PHOTO

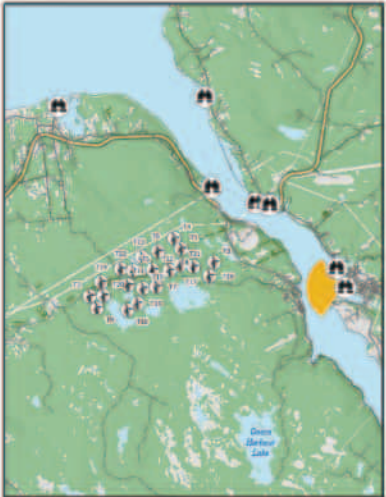


AULDS COVE WIND PROJECT



TECHNICAL INFORMATION

Visual Simulation Location: Port Hawkesbury Waterfront
View Coordinates: Latitude: 45.6129829°N
Longitude: 61.3635400°W
Easting: 627595 m
Northing: 5052350 m
Distance to Nearest Turbine: 6.5 km
Direction of View: Northwest, 275°
Camera Make/ Model: NIKON Z62
Lens: 50 mm
Image Resolution: 8572 x 2256
Weather Conditions: Clear
Date of Photo: 2025/08/06
Time of Photo: 16:33
Photo Credit: Strum Consulting



Proposed Turbine Location
Photo Location
Photo Field of View

0 5 10 km
SCALE: 1:225,000



References
1. Data Sources: GeoNova, Client
2. Base Maps: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
3. Projection: NAD83 UTM Zone 20

Date:	2025-12-04	Project #:	24-10440
Drawn By:	E. Johnson	Drawing #:	1E
Checked By:	D. Foster		



VISUAL SIMULATION



UNRENDERED PHOTO



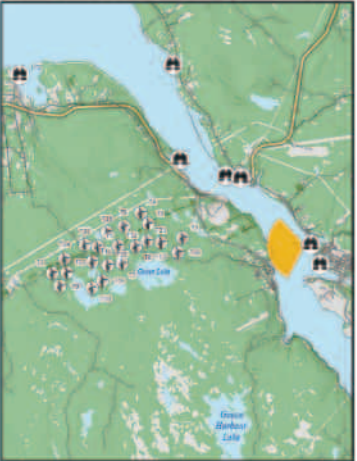
AULDS COVE WIND PROJECT



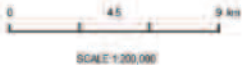
TECHNICAL INFORMATION

Visual Simulation Location:
View Coordinates:
Granville Street Lookoff
Latitude: 45.6208214°N
Longitude: 61.3684064°W
Easting: 627198 m
Northing: 5053213 m
Distance to Nearest Turbine:
Direction of View:
Camera Make/ Model:
Lens:
Image Resolution:
Weather Conditions:
Date of Photo:
Time of Photo:
Photo Credit:

5.5 km
Southwest, 265°
NIKON Z62
50 mm
7684 x 2250
Clear
2025/08/06
13:21
Strum Consulting



Proposed Turbine Location
Photo Location
Photo Field of View



References
1. Data Sources: Google, Client
2. Basemaps: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNR/Satellite OS, USDA, AeroGRID, IGN, and the GIS User Community
3. Projection: NAD83 UTM Zone 20

Date: 2025-12-04	Project #: 24-10440
Drawn By: E. Johnson	Drawing #: 1F
Checked By: D. Foster	



VISUAL SIMULATION



UNRENDERED PHOTO



AULDS COVE WIND PROJECT

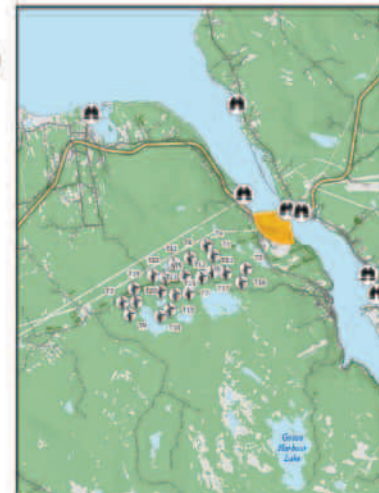
GREENCURRENT
Renewable Energy Development Inc.

TECHNICAL INFORMATION

Visual Simulation Location:
View Coordinates:

Causeway (Cape Breton Side)
Latitude: 45.6479516°N
Longitude: 61.4145730°W
Easting: 621259 m
Northing: 5060932 m
Distance to Nearest Turbine:
Direction of View:
Camera Make/ Model:
Lens:
Image Resolution:
Weather Conditions:
Date of Photo:
Time of Photo:
Photo Credit:

6.5 km
Southwest, 191°
NIKON Z62
50 mm
13294 x 3570
Clear
2025/08/06
12:44
Strum Consulting



Proposed Turbine Location
Photo Location
Photo Field of View



0 5 10 km
SCALE 1:225,000



References

1. Data Sources: GeoNova, Client
2. Basemap: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
3. Projection: NAD83 UTM Zone 20

Date: 2025-12-04	Project #: 24-10440
Drawn By: E. Johnson	Drawing #: 1G
Checked By: D. Foster	

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APPENDIX O

PROJECT TEAM CVs

AREAS OF SPECIALIZATION

- Project Management
- Environmental Assessment
- Ecological Assessment
- Habitat Assessment
- Regulatory Permitting, Monitoring, and Compliance Assessments
- Environmental Protection Plans
- Wetland/Watercourse Alterations
- Wetland and Fish Habitat Compensation

RELEVANT EXPERIENCE

Ms. Smith is the Vice President of Environmental Assessments and Approvals. She has a strong background in a variety of environmental program and policy areas. Ms. Smith has extensive experience leading teams, as well as building relationships and communicating with the public, regulators, the Mi'kmaq of Nova Scotia, clients, experts, and other stakeholders.

Prior to her appointment as Vice President of Environmental Assessments and Approvals at Strum, Ms. Smith held a Team Lead position with the Impact Assessment Agency of Canada. That role included the following:

- Led a team of professionals in completing federal environmental and impact assessments to support the Minister in decision making.
- Managed all aspects of assembling project teams, executing priorities, performance, deliverables, and overall quality.
- Supported the team in conducting Indigenous consultation, coordinating with federal and provincial departments, communicating with proponents, and engaging with stakeholders.
- Supported the team in the technical review of regulatory submissions under the *Canadian Environmental Assessment Act, 2022* and the *Impact Assessment Act*.
- Advised senior Agency officials on complex regulatory considerations.

Ms. Smith also held multiple roles with Nova Scotia Environment which included the following responsibilities:

- Led the development, management, and implementation of the Risk-Based Audit Project. The purpose of this corporate priority project was to modernize inspection services by using risk to maximize the allocation of limited resources while fulfilling the Department's mandate.
- Conducted extensive cross-sector collaboration within the Department, including all regions, inspectorates, divisions, and staff levels to ensure the project met the needs of working level staff and the goals of senior management.
- Provided strategic policy support and analysis for departmental programs and policies using the Regulatory Management Process.
- Conducted focus group sessions, coordinated stakeholder consultation, and provided recommendations to senior management.
- Completed inspections, responded to complaints, reviewed applications, and generated approvals related to the protection and sustainable use of air, land, and water resources in NS.

At Strum, Ms. Smith previously held progressive management roles including acting as the Team Lead during a long-term secondment of a senior manager and managed all aspects of a variety of projects within the Environment Group, including environmental assessments, watercourse alteration applications, wetland alteration applications, wetland

EDUCATION

- MES, Dalhousie University, Halifax, NS (2004)
- BSc. (Honours), Environmental Science, Acadia University, Wolfville, NS (2001)

TRAINING

- GBA+ Micro-learning Series (2022)
- Cultural Safety (2021)
- Unconscious Bias (2021)
- Emergency First Aid (2021)
- Management Development Program (2019)
- Advanced Training, *Impact Assessment Act* (2019)
- Introduction to CEAA 2012 (November 2012)
- Water Management & Wetland Restoration Training Course, University of Guelph (2010)

compensation, environmental protection plans, environmental monitoring, and ecological assessments. This also included successfully and simultaneously managing multiple provincial Environmental Assessments. Ms. Smith also has extensive experience creating budgets, schedules, staff resourcing and supervision, deliverables, and client communication. She has presented at public open houses, community liaison committee meetings, public hearings, and testified at a UARB hearing.

REPRESENTATIVE PROJECTS AND ROLES

Strum Consulting (current)

Wind Power Environmental Assessments, 2022-Present – Senior Reviewer: Providing senior review and management on several 100 MW+ wind farms in Nova Scotia.

Post-Approval Work, EverWind Point Tupper Green Hydrogen/Ammonia Project Phase 1, NS, 2023 – Senior Reviewer: On-going post-approval work (following approval of the EA Registration Document) including the development of environmental management and monitoring plans. These plans are developed to avoid/mitigate potential impacts to nearby environmental and residential receptors throughout the lifespan of the Project.

Environmental Assessment EverWind Point Tupper Green Hydrogen/Ammonia Project - Phase 1, NS, 2022 – Senior Reviewer: Completed senior review of field studies and key reporting requirements for the submission of an EA Registration Document for a green ammonia/hydrogen facility located in Cape Breton, NS. This was the first green ammonia/hydrogen facility to be approved in both Nova Scotia and Canada.

Impact Assessment Agency

Boat Harbour Remediation Project, 2018-2022 – Team Lead: Team Lead for the Agency's technical review of this project, as well as associated consultation with the Mi'kmaq of Nova Scotia and public engagement. This project conducted the Agency's first external technical review as part of the process.

Beaver Dam Mine Project, Fifteen Mile Stream Project, 2017-2022– Team Lead: Team Lead for the Agency's technical review of these gold mining projects, as well as associated consultation with the Mi'kmaq of Nova Scotia and public engagement.

Canso Space Port, Northern Pulp Replacement Effluent Treatment System, Touquoy Mine Expansion, Goldboro Gold Mine, 2017-2021 – Team Lead: Team Lead for requests to the Minister for these projects to be subject to the *Impact Assessment Act*. Review and analysis involved input from federal departments and a decision package to the Minister.

Howse Property Iron Mine Project, 2018– Team Lead: Team Lead for the Minister's decision package for the Howse Property Iron Mine.

Strum Consulting (past)

Wind Power Environmental Assessments, 2011-2014 – Project Manager/Team Lead: Project managed and coordinated all aspects of the provincial EA process for seven wind power projects ranging in size from 4 MW to 10 MW. Project components included wetlands, watercourses, wildlife, avifauna, bats, sound, shadow flicker, visual aesthetics, socio-economic conditions, and effects assessment. Also highly involved in public engagement activities including participation at several municipal planning meetings and project open houses, as well as the preparation of presentation materials (e.g. posters, handouts, etc.).

South Canoe Wind Project, 2011-2013 – Project Manager/Team Lead: Project managed and coordinated the completion of numerous desktop and field studies in support of a 100 MW wind power project. Studies included exclusion mapping; a desktop review of site habitat, species at risk (including flora, fauna, and avian species), and archaeological resources; a sound and shadow flicker assessment; a visual impact assessment; and field assessment for wetlands, watercourses, wildlife, and avian species. Managed the launch of the project website and completed the effects assessment for the biophysical components of the provincial environmental assessment registration document. Also developed presentation materials for and attended three public open houses and delivered multiple technical presentations to the Community Liaison Committee and as part of the Development Agreement Public Hearing process.

AREAS OF SPECIALIZATION

- Forest management and characterization
- Environmental and carbon modelling
- Urban forest assessment
- Stakeholder engagement
- Hydrologic assessment and modelling

RELEVANT EXPERIENCE

Dr. Foster is an environmental scientist with a special interest in forests, their management, and how people relate to them. More broadly, he is interested in natural resource management and how resources can be utilized sustainably. He has experience in a variety of fieldwork and teaches field work planning, methods, and reporting to undergraduate students at Saint Mary's University.

Dr. Foster completed his PhD in 2024, researching the relationship between forest management and water treatability for potable water supplies. Specifically, his research examined how timber harvesting can be used to reduce watershed dissolved organic carbon (DOC) production to reduce the chemical and financial cost of water treatment in the face of continual and concerning increases in DOC. This study resulted in academic publications on its findings, and forest management recommendations to the region's water utility.

Before this research, David worked for two years as a research associate at Dalhousie University, studying various urban forest and non-urban forest matters. In addition to a contracted characterization of Halifax Regional Municipality's (HRM), urban forest, during this time, he also served as research associate for Prof. William Lahey during the Nova Scotia Independent Review of Forest Practices. He contributed research services, assisted with logistics, and provided writing input, including a report on the history of forest practices review. During this process, he had the opportunity to hear a diverse range of perspectives from stakeholders with contrasting perspectives on natural resource usage, helping to develop an understanding of what is at stake in the management of the natural environment.

REPRESENTATIVE PROJECTS AND ROLES

Wind Power and Infrastructure Environmental Assessments, NS (2024-Ongoing) – Environmental Scientist:

Supporting writing and editing several sections of a variety of environmental assessment for proposed wind farms and associated infrastructure. Contributions in several biophysical and socioeconomic sections, demonstrating a breadth in competencies related to communicating the findings of environmental assessment. Includes writing the terrestrial flora, fauna, and habitat sections of the recently approved Rhodena Wind Project in Cape Breton, NS, and the same sections plus human health effects and effects of the environment on the undertaking for the recently approved Melvin Lake Wind Project in Halifax Regional Municipality and East Hants, NS.

Navigating the Social Acceptability of Forest Biomass Utilization, NS (2024-ongoing) – Environmental Scientist:

Working with a client in the forest biomass utilization industry to help understand the aspects that contribute to the social acceptability of forest biomass usage in an evolving economy and modern society. Collaborating to help establish a roadmap for future entrants into the market to better understand the landscape and plan for successful development of projects that contribute an economy that makes sustainable use of Nova Scotia's natural resources.

EDUCATION

- Doctor of Philosophy, Interdisciplinary PhD Program, Dalhousie University, Halifax, NS (2024). Thesis: Mitigating forested water supply carbon loading through timber harvesting.
- Master of Resource and Environmental Management, Dalhousie University, Halifax, NS (2016). Report: Location matters: the importance of tree placement to urban forest values.
- Bachelor of Science, Combined Honours in Biology and Sustainability, Dalhousie University, Halifax, NS (2014). Thesis: Strategic environmental assessment of changes in Bill C-45 to the Navigable Waters Protection Act and potential effects of environmental protection in Canada.

TRAINING

- Forest Ecosystem Classification qualified (NS, 2024)
- St. John's Ambulance First Aid & CPR/AED Level C (2024)
- Environmental Impact Assessment certificate (2014)

Crown Land Forest Stakeholder Engagement, NS (2023-Ongoing) – Chair/Facilitator: Work with the NS Natural Resources and Renewables as Chair of the Nova Scotia Western Region Crown Land Stakeholder Interaction Committee (WRSIC). This committee is comprised of diverse stakeholders that come together to learn about and contribute to the management of public forests in Nova Scotia. Stakeholders include representatives from industry (mills and silvicultural contractors), Indigenous groups with a specific environmental mandate, NGOs including recreationalist and research groups, elected members of local government, private forest landowners, and more. The group meets at least twice a year to receive updates and provide input on public forest management policy and practice, and to review harvest proposals.

Pockwock Watershed Carbon Loading Study, NS (2018-2024) – PhD Candidate/Lead Researcher: Completed extensive study of the Pockwock watershed, source of water for more than 1/5th of Nova Scotians. Led three summers of fieldwork with research assistants to characterize forest composition, determine hydrologic carbon export, and model watershed hydrology. Wrote custom forest management model and novel implementation of Natural Resources Canada's Carbon Budget Model of the Canadian Forest Sector (CBM-CFS3) for use in a programming environment (R). Research was conducted in partnership through a pan-Canadian research network (the forWater network) including other researchers, forest regulators, the regional water utility, forest managers, forestry contractors, ENGOs, and more. He coordinated with diverse stakeholders to ensure that forest management within the watershed during the study period met research objectives and was properly implemented and characterized and met the research goals of the network.

Community Greening Program, NS (2013-2017) – Coordinator: Developed and implemented a program of urban green space appreciation, education, and improvement. Creating a program of the Sierra Club Canada Foundation Atlantic Canada Chapter focused on urban green spaces, worked with a diverse range of stakeholders to plan, fund, and carry out urban greening initiatives in HRM, including numerous tree plantings. This required working with local government to obtain permission and support for initiatives, members of the public to gain support and to solicit for participation in local events, and business and organizations to find and otherwise support initiatives. These efforts led to planting over 2,700 trees in HRM and establishing the municipality's first publicly hosted community urban orchard.

PROFESSIONAL ASSOCIATIONS

- Association of Professional Geoscientists of Nova Scotia (member-in-training)
- Eco Canada (Environmental Professional in-training)

AREAS OF SPECIALIZATION

- Wetland and Watercourse Assessment and Delineations
- Wildlife Surveys
- Surface and Groundwater
- Climate Change and GHG Assessments
- Industrial Approvals
- Environmental Approvals

RELEVANT EXPERIENCE

Mr. Scott joined the Strum team in 2022 and is working as a Junior Environmental Scientist with the Environmental Assessment and Approvals Group. Mr. Scott is experienced in many components of Environmental Assessments, including field surveys, delineations, avian radar analysis, wildlife acoustic analysis, and GHG quantification. In an industrial setting, Mr. Scott has experience managing projects and ensuring regulatory compliance and successful approvals. Mr. Scott is experienced in groundwater monitoring, groundwater development, sampling, and conducting aquifer testing and interpreting results.

Mr. Scott has completed fieldwork and report writing to support wetland permitting, Environmental Management Plans and Environmental Assessments for numerous projects across Nova Scotia. Additionally, Mr. Scott has been involved in fieldwork, report writing, and analysis concerning projects throughout the province relating to Level I/II Groundwater Assessments for Subdivisions, groundwater withdrawal approvals, and groundwater monitoring plan programs.

REPRESENTATIVE PROJECTS AND ROLES

Municipal Groundwater Supply Assessment, NS, 2023 – Junior Environmental Scientist: Worked with a team of groundwater experts to analyze well logs, available pump tests and well chemistry data to inform municipal planning around groundwater supply development. This assessment involved determining the depth and stratification of sediments, yields and water quality to understand the yield and safety of a potential groundwater supply.

Groundwater Monitoring Program, Canso, NS, 2023 – Junior Environmental Scientist: Ongoing groundwater monitoring work (following approval of the groundwater monitoring plan), including developing groundwater wells, groundwater sampling, aquifer testing and analysis. The purpose of the monitoring plan is to avoid/mitigate potential impacts to nearby environmental receptors throughout the lifespan of the Project.

Greenhouse Gas Inventories, NS, 2023 – Present – Junior Environmental Scientist: Experienced in conducting direct and indirect GHG emission inventories to quantify large-scale industrial impacts and identify areas for mitigation.

Post-Approval Work, Point Tupper Green Hydrogen/Ammonia Project, NS – Phase 1, NS, 2023 – Junior Environmental Scientist: Development of the groundwater monitoring plan for the hydrogen/ammonia industrial facility as required following the EA approval. Completed fieldwork to support surface water monitoring.

EDUCATION

- Bachelor of Science (Environmental Science), Saint Mary's University, Halifax, NS (2022)

TRAINING

- Wetland Delineation and Classification Training (2023) – Fern Hill Institution of Plant Classification
- Wetland Ecosystem Services Protocol Atlantic Canada (WESP-AC) Training (2023) – Maritime College of Forestry Technology
- Backpack Electrofishing Training (2023) – Maritime College of Forestry Technology
- Standard First Aid Level C CPR & AED (2022) – St John's Ambulance
- ATV Training Course (2022) – Canadian Safety Council
- Pilot Certificate – Small Remotely Piloted Aircraft System (RPAS), Visual line-of-sight (VLOS) (2022) – Transports Canada

Wetland Carbon Sequestration, NS, 2023 – Present – Junior Environmental Scientist: Designing methods and procedures for fieldwork and subsequent analysis to quantify carbon stored in wetland soils.

Wetland Delineation and Permitting, NS, 2023 – Present – Junior Environmental Scientist: Completed wetland delineations, functional assessments, and permitting applications for pre-construction wetland alterations.

Groundwater Geothermal Heating and Cooling Systems Review and Permitting, NS, 2023 – Present – Junior Environmental Scientist: Withdrawal flow monitoring, water level monitoring, equipment inspection, water quality sampling, data compilation, data analysis, and regulatory reporting.

Nesting Bird Searches, NS, 2023 – Junior Environmental Scientist: Surveyed areas pre-construction for the presence of nesting bird activity. Collected field data related to observations and flagged off buffer areas surrounding nesting bird species.

Wind Power Environmental Assessments, NS, 2022 – Present – Junior Environmental Scientist: Conducted watercourse, wetland, fish/fish habitat, wildlife and avian assessments, and environmental assessment reporting. Quantified greenhouse gas and climate change impacts of the projects on the environment.

Level I/II Groundwater Assessments, NS, 2022—Present—Junior Environmental Scientist: Completed desktop assessments to determine the viability of sustainable groundwater withdrawals. Conducted drilling and pump test supervision. Sampled water to compare with drinking water guidelines and analyzed aquifer test data to determine adequate safe yields for groundwater users.

Radar and Avian Acoustic Assessments NS, 2022 – Present – Junior Environmental Scientist: Built and ran remote radar and acoustic monitor assemblies to record the passage of avian migrant species. The radar and acoustic data were processed and analyzed to determine the patterns of avian migration. The acoustics were analyzed with machine-learning software and manually verified for accuracy.

Various Management and Leadership Roles, NS, 2018- 2022 – Self-Employed: Competed internationally for Canada in Sprint Kayaking. This required creating sponsorship proposals, developing relationships with sponsors and stakeholders, and managing travel and shipping logistics. Part of this role required public speaking engagements, client receptions, and providing mentorship.

AREAS OF SPECIALIZATION

- Fish and Fish Habitat (Freshwater and Marine)
- Avian Ecology
- Species at Risk
- Water Quality
- Aquatic Toxicology
- Environmental Assessment
- Project Management
- Protocol and Guideline Development

RELEVANT EXPERIENCE

Ms. Jardine is a Senior Environmental Scientist working in our Environmental Assessment & Approvals group. Carrie has 19 years professional experience as a biologist in Canada and Internationally. She has worked for clients in the municipal, provincial, federal, oil and gas, mining, utility, green energy, and international sectors. She obtains permits and approvals on behalf of clients and works on environmental assessments for federal, provincial, and international jurisdictions. Carrie is involved with project management, desktop analysis, research, field data collection, field logistics and coordination, data entry, report writing, and submission of regulatory applications. She works closely with federal and provincial regulators and clients. Carrie has extensive field experience in fish and fish habitat, avifauna, water quality, and species at risk.

REPRESENTATIVE PROJECTS AND ROLES

Environmental Impact Assessments and Screenings

Wind Farm Environmental Assessments: Melvin Lake, Strait Crossing, Wind Farm 1 (In Progress), Windy Ridge, Bear Lake and Kmtnuh, NS, 2022 - Present – Roles (depending on EA): Aquatics / Avifauna / Wood Turtle Disciple Lead: Responsible for coordinating and leading field programs such as wood turtle, avifauna, fish and fish habitat, and water quality. Responsible for conducting fish habitat assessments, water quality, and wetland delineations. Lead and senior technical reviewer on the avifauna VECs. Avian acoustics lead.

Indigenous Services Canada Simple Review Supporting Surveys, NS, 2023 – Lead Biologist: Responsible for coordinating and leading and conducting Chimney Swift and Pileated Woodpecker surveys, and fish and fish habitat assessments. Contributing author. Client liaison.

Environmental Effects Determination (EED), Gilholmes Lake, NS, 2020-2022 – Project Manager: Responsible for submitting an EED in accordance with Section 82 of the IAA.

Environmental Impact Statement Review, Fifteen Mile Stream, NS, 2021 – Reviewer: Responsible for the fish and fish habitat review and write up. Prepared a fish and fish habitat fact sheet and slides.

Environmental and Social Impact Assessment, Electrical Services Building, Resilience of the Electricity Sector Infrastructure to Geophysical and Climate Related Hazards, St. Vincent and the Grenadines, 2021 – Main Author: Main Author of the ESIA and plans.

EDUCATION

- MSc., University of PEI, Charlottetown, PE (2006). Thesis: Assessing the Toxicity of Prince Edward Island Stream Sediments Using Asian medaka Embryolarval Bioassays
- BSc. (Biology, with Honours), University of PEI, Charlottetown, PE. (2003) Thesis: The Effects of Social Interactions on the Growth and Development of Japanese medaka (*Oryzias latipes*)

TRAINING

- WHMIS (2023)
- Standard First Aid, Level C CPR and AED with the St. John Ambulance (2022)
- Restricted Operator's Certificate (Maritime)
- Small Non-Pleasure Vessel Basic Safety A3
- Small Vessel Operator Proficiency
- Wetland Delineation and Plant Adaptations and Identification Certification, Fern Hill Institute
- Bear Awareness Training
- Wilderness Survival Course
- Backpack Electrofishing: Crew Supervisor
- ATV, ARGO, and Snowmobile Training

Review of the Federal Environmental Impact Statement for Beaver Dam Gold Mine, 2019 – Fisheries Discipline Lead: Conducted a review of impacts to fish and provided input on the EIS.

EED, Maritime Forces Atlantic Routine Exercises in the Arctic, Northern Canada, 2018-2019 – Contributing Author: Contributing Author of the EED, conducted interviews, client liaison.

Environmental Assessment, Highway 104 Sutherlands River to Antigonish, NS, 2018 – Discipline Lead/Contributing Author: Fisheries field lead, contributing author of the EA. Conducted fish and fish habitat assessments, electrofishing, and breeding bird surveys.

Environmental Impact Assessment, Proposed WWTP Upgrade, Saint John Airport, NB, 2016 – Main Author: Main author for the Report, VEC Analysis, and Significance Determination.

Environmental Impact Assessment, Dolphinarium Development, Turks and Caicos, Grand Turk, 2016 – Main Author: Main author for the Environmental Assessment Report.

Joint Federal-Provincial Environmental Assessment, Route 11, NB, 2010-2011 – Contributing Author: Authored the wildlife and wildlife habitat, vegetation and wetland environment, and the current use of land and resources for traditional purposes by Aboriginal persons sections of the EA.

Canadian Environmental Assessment Act Screening, Bay of Fundy Tidal Energy Project, NS, 2010 – Biologist: Prepared the fisheries section of the report. Prepared the avian species at risk Post Construction Plan for ECCC. Conducted fish habitat assessments, bird surveys, wetland classification, and vegetation surveys.

Environmental Baseline Assessment Study, Proposed Casino Mine, Yukon, 2010 – Wildlife Biologist: Conducted wildlife snow tracking. Developed the initial habitat model for the American marten.

Baseline Environment Assessment, Proposed Izok Mine, Nunavut, 2008 – Fisheries Biologist: Conducted fish sampling in lakes and streams; inserted radio transmitters in fish; radio-telemetry; PIT tagging; removing fish otoliths; taking tissue samples; lake bathymetry, and water sampling.

Regulatory Permitting and Compliance

Fisheries Act Request for Review and Letter of Advice Sydney Harbour, NS, 2025. Project Manager. Fisheries discipline lead and main author on the RFR. Client and regulatory liaison.

Fisheries Act (Marine and Freshwater) Black Point Quarry, Canso, NS, 2024 - Present. Fisheries Discipline Lead /Project Manager. Fisheries discipline lead on the FAA and offsetting. Senior review and client liaison.

Fisheries Act (Marine) Authorization and Wetland Alteration Application - Route 207 Realignment, Lawrencetown, NS, 2024 - Present: Project Manager – Project management, field coordination, preparation of the applications and report, client liaison, senior review.

Lake Major Wetland and Methylmercury Monitoring Year 5, Lake Major, NS, 2024 - Present – Fisheries Discipline Lead: Project Manager – Coordinated and managed the Year 5 wetland, water, and fish tissue methylmercury monitoring program which was developed in accordance with Condition 3.4 of the EA Approval for the Lake Major Dam Replacement Project.

Wind Farm Post Environmental Assessment Compliance and Monitoring: Mersey River, Higgins Mountain, Goose Harbour Lake, Weavers Mountain NS, 2024 - Present – Avian Discipline Lead: Responsible for coordinating and leading avifauna field programs, organizing and overseeing avifauna radar and acoustic reports, and senior review.

Fisheries Act (Marine and Freshwater) Aboiteau Replacement Design, Fish Passage and Monitoring, Avon River, NS, 2018-2023 – Fisheries Discipline Lead: Author of the monitoring plan for the Avon River. Conducted fish and fish habitat assessments, fisheries biologist representative at the open house, regulatory meetings, lead at DFO workshops, preparing the DFO request for review and authorization and government, client and public liaison.

Fisheries Act Authorization Uisce Tapa Tidal Energy Project, Parrsboro, NS, 2022-2023 – Environmental Scientist: Prepared DFO permit for the deployment of a tidal energy array at the FORCE site in the Bay of Fundy.

Fisheries Act Authorization, Wash Brook Floodwater Mitigation Project, NS, 2020-2023 – Fisheries Discipline Lead: Authored the Fisheries Act Authorization, attended various meetings with DFO, involved with Indigenous engagement and consultation. Preparing monitoring plans and developing the offsetting plan.

Compliance with Fisheries Act Authorization Halfway River, NS, 2020-2023 – Fisheries Discipline Lead:

Responsible for developing objectives, identifying gaps, and providing recommendations. Involved with client, DFO, and team meetings. Review of MCG reports and providing feedback.

Fisheries Act (Marine) Port-Aux-Basque Navigation Improvement Project, NL, 2020-2021 – Lead Biologist:

Responsible for leading and directing the wildlife habitat surveys. Senior advice on fish habitat surveys, completing the DFO HADD compensation plan under the *Fisheries Act*. Liaison with DFO/ECCC.

Watercourse Assessment & Alteration, Cape Breton Regional Hospital Expansion Project, NS, 2020 – Project Manager Assistant:

Organized field programs, conducted a watercourse assessment, senior review and QA/QC of four watercourse alteration applications and three wetland alteration applications and reports to NSECC.

Regulatory Applications, Donkin Proposed Haul Road Phases I, II and III, NS, 2018-2020 – Project Manager Assistant:

Prepared the fisheries report and submitted regulatory applications to DFO and NSECC. Managed field crews and the preparation of the wetlands report and regulatory application to NSECC.

Fisheries Act DFO Authorization Application: Summerside Port Corporation Maintenance Dredging Program, PEI, 2018-2019 – Discipline Lead:

Prepared the fisheries authorization report and application and offsetting plan. Government and community group liaison.

Ecological Studies

Bat Habitat Assessment and Bird Surveys, Hartlen Point, NS, 2021-2023 – Avian Lead:

Conducted migratory, breeding bird, owl, barn swallow roosting surveys, pileated woodpecker surveys, and barn swallow habitat surveys to support the Department of National Defence (DND) in determining if the proposed. Authored sections of the report.

Breeding Bird Surveys, Carters Beach Provincial Park, NS, 2022 – Avian Lead:

Conducted breeding bird surveys to support in the development of new access trails and parking areas for Carters Beach Provincial Park.

Environmental Services, Abegweit Connects – Phase I, PEI, 2021 – Field Lead:

Responsible for wetland delineation, fish and fish habitat assessment, plant surveys, breeding bird surveys, and surveys for species at risk for the proposed active transportation facilities and support infrastructure.

Natural Systems Conservation Study, Ragged Lake Industrial Lands Reserve, NS, 2020-2021 – Fisheries Discipline Lead:

Coordinated the fish field program and participated in wetlands and water quality. Established functional analysis layers with the input of the client, stakeholders, and the project team. Applied ecological values to each layer, prepared a report, and developed constraints analysis.

Range and Training Area Management Plan for Rifle and Grenade Ranges, NS/NL, 2015-2021 – Discipline Lead:

Fish habitat, water quality, and wildlife field programs. Conducted field studies. Contributing author.

Ecosystem Classification Review and Assessment, Shaw Wilderness Park Forest, NS, 2020 – Project Manager:

Conducted a desktop analysis using various spatial data sources, including LiDAR, multi-spectral imagery, ortho-imagery, and provincial forestry data to determine the boundaries of forest polygons and classify them based on the provincial FEC system.

Wetlands, Waterbodies, and Waterways Study, Logy Bay-Middle Cove-Outer Cove, NL, 2019-2020 – Environmental Scientist / Senior Review:

Completed partial delineation of wetlands and watercourses within the boundary. Presented findings to the Town council.

Natural Resources Inventory Update, NS, 2011-2020 – Project Manager Assistant/Field Lead:

Coordinated, designed, and executed the wildlife and bird surveys and aquatic field programs. Responsible for authoring sections of the reports and management plans

Ecological Assessment, North Arm of Great Slave Lake Proposed Area of Interest, NWT, 2009 – Fisheries Discipline Lead:

Responsible for conducting a literature review of existing fisheries data, collecting baseline desktop information, gap analysis, and writing the fisheries section for the report.

Species at Risk Studies

Bat Habitat Assessment and SAR Surveys, NS, 2022-2023 – Biologist:

Responsible for coordinating and leading and conducting Chimney Swift and Pileated Woodpecker Surveys, and bat exit surveys.

Aldershot SAR Surveys and Monitoring Year 4, BNS, 2021-2022 – Wildlife Biologist: Responsible for spring, breeding, and fall bird surveys throughout the Aldershot property. Responsible for identifying SAR.

Species at Risk Assessments, NS, 2018-2021 – Discipline Lead: Aquatics, water quality, wildlife field programs, electrofishing, fish habitat assessments, invertebrate sampling, water sampling, and bird surveys. Senior reviewer and contributing author of the reports.

Maritime Link Marine Cable Route Characterization and Constraints Analysis, NS/NL, 2015 – Biologist: Identified physical and biological (including SAR) temporal and spatial constraints and developed constraints and sensitivity mapping. Conducted literature review and main author.

Beaufort Sea Petroleum and Environmental Management Tool, 2009-2010 – Biologist: Research, government liaison, reporting on Peary caribou, beluga whale, and bowhead whale and assessed the impacts of potential oil and gas leasing options and developed sensitivity-rating criteria.

Caribou Protection Plans for Proposed Well Sites and Roads, AB, 2008 – Project Manager and Assistant: Responsible for government liaison, and preparing and organizing the caribou protection plans.

Water Quality, Aquatic and Sediment Toxicology

Marine Water Quality Monitoring, NS, 2014-2017 and 2020-2023 – Deputy Project Manager: Logistics and scheduling for the collection of water samples in NS for the Canadian Shellfish Sanitation Program.

Basewide Fish Survey: Monitoring Program, Labrador, 2013-2023 – Project Manager and Assistant: Coordinated, designed, and executed the Basewide Fish Monitoring Program in Goose Bay intermittently from 2013-2023. Collected fish for toxicology analysis, conducted analysis and observed trends over time.

Tier I Marine Waterlot Assessment, Small Craft Harbours (SCHs), NB/NS, 2022-2023 – Project Manager/Author: Assessed potential contaminant sources and helped to determine whether contaminants of potential concern in sediment at SCHs pose potential unacceptable risks to human and ecological receptors with the end goal of obtaining Site closure in accordance with the Federal Contaminated Sites Action Plan.

Abercrombie Ash Management Site Chromium VI Mitigation, NS, 2019 – Fisheries Biologist: Investigated environmental concerns at the AAM site. Conducted fish habitat assessment, electrofishing, invertebrate sampling, water quality, data analysis and reporting. Field program lead.

DFO Waterlot Assessment Risk Screening, Small Craft Harbours, NS, 2018-2019 – Project Manager: Project management of the Marine Sediment Sampling Programs, the Phase I ESAs, and the reports.

Outer False Harbour Digital Still Images at a Dredged Material Disposal Site, NS, 2017 – Project Manager: Project management of the collection of digital still images at the outer false harbour dredged material disposal site.

Marine Sediment Sampling Program for Small Craft Harbours, NL, 2017-2018 – Contributing Author: Reporting, benthic invertebrate analysis, tissue analysis, and assistance in risk analysis.

Protocols and Guidelines

Development of an Options Analysis, Evaluation of Biological Effects on Targeted Aquatic Organisms After an Oil Spill, NS, 2020 – Lead Author: Developed a list of recommended biomarkers to be part of an options analysis tool for the evaluation of biological effects on targeted aquatic species.

Belize Comprehensive National Water Quality Monitoring Program and Protocol, Belize, 2019 – Project Manager: Conducted stakeholder workshops and meetings, completed an inception report, and prepared the draft and final water quality monitoring program and protocol.

Post Deposit Monitoring Approaches for Measuring Environmental Concentrations and Effects of Drugs, Antibiotics, and Pesticides Used in the Canadian Aquaculture Industry: Part I, II, NS, 2015-2018 – Main Author: Main author of Part I and Part II of the reports and client liaison. Developed the post deposit monitoring approaches based on national and international studies and literature.

Maritime Forces Atlantic Operating Areas Management Plan: Redesign Mitigation Sheets, NS, 2013 – Author: Redesigned Mitigation Sheets for military exercises.

PROFESSIONAL ASSOCIATIONS

- Canadian Institute of Forestry - Forestry Technician

AREAS OF SPECIALIZATION

- Rare plant surveys
- Wetland and Watercourse Assessment and Delineations
- Wildlife Surveys
- Fish Habitat Assessments
- Environmental Approvals

RELEVANT EXPERIENCE

Ms. Daffre has been an environmental professional since 2022. She has a background working in environmental sustainability and natural resource management in both local and international settings. She has experience conducting fieldwork such as vegetation surveys, species at risk and invasive species monitoring. Ms. Daffre has strong forest mensuration skills such as timber cruises, biodiversity, biomass and carbon biomass inventories as well as, forest and vegetation classification. Ms. Daffre has authored baseline technical reports for provincial environmental assessments and regulatory applications and has completed watercourse and wetland assessments, including field delineation, habitat assessment, species at risk identification and data management, and mapping and spatial analyses (ArcGIS and QGIS).

REPRESENTATIVE PROJECTS AND ROLES

Biophysical Assessments, Clydesdale Ridge Wind Farm, NS, 2023-Present- Field Technician/ Biologist:

Completed baseline biophysical assessments including fish habitat and collection surveys, botany surveys wetland and watercourse delineation, and watercourse habitat assessments. Contributed to writing the Environmental Assessment Registration Document for this project.

Biophysical Assessments, Antrim Gypsum Mine, NS, 2023-Present- Field Technician/ Biologist: Completed baseline biophysical assessments including fish habitat surveys, wetland and watercourse delineation, and watercourse habitat assessments. Contributed to writing the Environmental Assessment Registration Document for this project.

Wetland Monitoring Program, Highway Twinning Project, NS, 2023-Present – Field Technician: Completed wetland monitoring and baseline monitoring for Highway 103 and 104 twinning projects near Barney's River, and Hubbard's Nova Scotia on behalf of Dexter Nova Alliance. Conducted visual observations of wetlands along the study site, soil conditions, vegetation surveys, and collected data from monitoring wells.

Wood Turtle Habitat suitability study, Department of Defense, NS 2024- Field Technician/Biologist: Completed desktop suitability exercise using aerial photography and available GIS databases to identify suitable wood turtle habitat at 14 Wing Greenwood in Kings County, Nova Scotia. Conducted field surveys to identify suitable habitat and visual encounter surveys for wood turtles to inform habitat management and future development. Contributed to report writing for this project.

EDUCATION

- Natural Resource Environmental Technology, Nova Scotia Community College (2022)
- Bachelor of Social Science (International Development and Environmental Studies), University of Ottawa (2017)

TRAINING

- St. John's Ambulance First Aid & CPR/AED Level C (2023)
- Winter Identification of Trees and Woody Plants, Eagle Hill Institute (2023)
- Electrofishing Certification (2023)
- Wetland Ecosystem Services Protocols Training (2023) – Nova Scotia
- Wilderness First Aid + CPR Level C (2021) – Canadian Red Cross
- Chainsaw Safety Certification (2021) – Safety First Nova Scotia
- ATV/OHV Operator Certification (2021)
- WHIMIS (2021)

Biophysical Assessments, Six Mile Brook Pit Expansion, NS, 2023-2024- Field Technician/ Biologist: Completed baseline biophysical assessments including botany surveys, wetland and watercourse delineation, and watercourse habitat assessments. Contributed to writing the Environmental Assessment Registration Document for this project.

AREAS OF SPECIALIZATION

- Marine Biology
- Wetland and Watercourse Assessment
- Avian Radar and Acoustic Assessment
- Wildlife Surveying and Assessment
- Ecological Forestry and Agriculture
- Benthic Invertebrate Analysis
- Environmental Data Collection, Interpretation, and Reporting

RELEVANT EXPERIENCE

Mr. Nishikawa is an Environmental Scientist with our Environmental Assessment & Approvals team. In this role, Mr. Nishikawa classifies and maps benthic habitats within proposed marine infrastructure development sites through the use of underwater video and sediment surveys, collects and analyzes remote sensing data on avian migration within project sites using acoustic monitors and marine radars, and performs freshwater fish and fish habitat surveys which involves the use of baited traps and electrofishers. Prior to joining Strum, Connor held the position of Research Assistant where he performed ecological laboratory work including sediment sample analysis, benthic invertebrate identification, light microscopy and the handling of hazardous materials, engaged in the biomonitoring of the freshwater ponds from Sable Island, Nova Scotia, managed and trained new lab staff in sample analysis and laboratory safety procedures, and led remote field work operations related to biological sample collection from lakes in the Canadian Arctic. Mr. Nishikawa also has experience as a Fisheries Observer where he monitored fishing activities onboard commercial vessels to determine compliance with the Canadian *Fisheries Act*, identified and dissected commercial fish species, as well as collected biological samples for the purpose of commercial fisheries management, and inspected commercial fishing equipment and observed all aspects of the commercial fishing process including recording catch size and species composition.

REPRESENTATIVE PROJECTS AND ROLES

Fisheries Act (Marine) Authorization, Black Point Quarry, Canso, NS, 2024 – Present - Marine Biologist: Responsible for co-authoring the *Fisheries Act* Authorization report, video interpretation of underwater benthic habitat videos, interpretation and designation of marine habitat in the Study Area.

Environmental Assessment, Simply Blue Group's Green Hydrogen to SAF Project, NS, 2024-Present – Marine Biologist: On-going environmental assessment work (development of the Environmental Assessment Registration Document), including co-authoring technical and environmental component studies (underwater benthic habitat and marine sediment analysis). Video interpretation of underwater benthic habitat videos.

EDUCATION

- Masters of Resource and Environmental Management (MREM) - Dalhousie University, Halifax, NS (2022)
- Advanced Diploma, Ocean's Technology, Nova Scotia Community College (2019)
- Bachelor of Marine Biology and Economics, Dalhousie University, Halifax, NS (2017)

TRAINING

- Canada Training (2024)
- Wetland Delineation Training (2024)
- Trailer training (2023)
- Bear Awareness (2023)
- UTV Certification – Canada Safety Council (2023)
- Standard First Aid with CPR
- Trained as a Marine Oil Spill Responder
- Electrofishing certification
- Class 5 Driver's License
- SVOP Small Vessel Operators Proficiency Transport Canada
- SDV-BS Small Domestic Vessel Basic Safety Transport Canada
- Domestic Vessel Safety (DVS)
- WHMIS Workplace Hazardous Materials Information Systems
- Fall protection certified Nova Scotia Construction Safety Association
- Occupational Health and Safety as well as Confined Space Awareness
- Restricted Marine Radio Operators Certificate
- Open Water Diver Certification
- Wetland Ecosystem Services Protocol for Atlantic

Wind Power Environmental Assessments, NS, 2023-Present –Environmental Scientist: Conduct field work on several 100 MW+ wind farms in Nova Scotia, including wetland, watercourse, fish and fish habitat, old-growth, avian, avian radar, bat, wildlife and flora surveys. Prepared, reviewed, and organized field data using several methods of collection. Inventoried and configured specialized monitoring gears, such as trail cameras and acoustic monitors, and regularly performed maintenance checks. Prepared Environmental Assessment related documents, including methodologies, effects assessments, and desktop reviews.

Radar and Acoustic Processing, Assessment, and Deployment, NS, 2023-Present –Environmental Scientist: Conduct radar processing and analysis on specialized programs to collect avifauna presence on project sites. Conducted quantitative analysis on processed radar and acoustic data to support technical reports on avifauna presence and remote sensing. Lead report coordination and completion of these technical reports for wind projects and other relevant projects. Deployment, maintenance, and collection of radar and avian acoustic monitors. Responsible for data management.

Post-Approval Works, NS, 2023-Present –Environmental Scientist: Conducts data compilation and reports for various wind farm projects such as Goose Harbour Lake Wind Farm, Mersey Wind Farm, and Weavers Wind Farm, to fulfill post-approval conditions, such as the creation of Management Plans and Contingency Plans.

Old Growth Forest Assessment, NS, 2024-Present –Environmental Scientist: Conduct old growth assessments throughout Nova Scotia for various projects on Crown Land. Responsible for data management.

Pellet Group Inventories and Winter Mammal Tracking, NS, 2023-Present –Environmental Scientist: Conducted pellet group inventories and winter mammal tracking mainly targeted for Mainland moose throughout Nova Scotia for various projects. Responsible for data management.

Wetland Delineation and Watercourse Assessment, NS, 2023-Present –Environmental Scientist: Conducted wetland delineations and watercourse assessments throughout Nova Scotia for various projects. Responsible for data management.

AREAS OF SPECIALIZATION

- Statistical and spatial analysis
- Biophysical survey design
- Impacts of climate change on natural systems
- Species conservation
- Effects of disturbance on plant communities

RELEVANT EXPERIENCE

Dr. Emma Davis is a landscape ecologist with an interest in the effects of disturbance and climate change on plant community dynamics. In particular, Emma has completed several research projects aimed at understanding how anthropogenic factors interact with natural process to cause changes in forest systems, particularly as it relates to rare and sensitive plant species and communities.

Emma completed her PhD at the University of Guelph in 2018 studying the long-term impacts of climate change on the distribution of alpine treelines in Canada's Rocky Mountain region. Her research involved combining data from a series of field experiments with greenhouse studies and dendrochronology to understand how soil characteristics, herbivory, and climate variables determine the ability of trees to establish at the edges of their distributional range.

Following the completion of her PhD, Emma held Postdoctoral Fellowships at the University of Guelph Arboretum and the University of Waterloo, where she worked with a multidisciplinary team of researchers and conservation practitioners to develop skills in conservation planning, remote sensing and spatial modelling. From 2022 to 2023, Emma held a position with the Government of Newfoundland and Labrador Wildlife Division as an Ecosystem Management Ecologist where she was responsible for drafting species recovery documents and coordinating recovery teams. Throughout her academic and professional career, Emma has enjoyed opportunities to collaborate with individuals from diverse backgrounds and areas of expertise while maintaining a strong record of publication in peer-reviewed journals.

REPRESENTATIVE PROJECTS AND ROLES

Renewable Energy and Infrastructure Environmental Assessments, NS (2025-Ongoing) – Environmental Scientist: Provided writing and editorial support during the preparation of several environmental assessment documents for proposed renewable energy projects and associated infrastructure.

Quality Control/Quality Assurance for Biophysical Field Data Collection, NS (2025-Ongoing) – Environmental Scientist: Coordinated timely reviews of incoming data from wetland and watercourse field programs to ensure the collection of complete and accurate data.

EDUCATION

- Doctor of Philosophy, Department of Geography, Environment & Geomatics, University of Guelph, Guelph, ON (2018). Thesis: An evaluation of constraints to treeline advance across multiple scales in the Canadian Rocky Mountains.
- Master of Science, Department of Geography, Carleton University, Ottawa, ON (2014) Thesis: The influence of vegetation and climate on wildfires in Jasper, Alberta, over the last ~3,500 years.
- Bachelor of Science, Environmental Science (Honours), Mount Allison University, Sackville, NB (2012). Thesis: Dendrochronology in the Canadian Prairies: Evaluating the Usefulness of Shelterbelt Species Now and in the Future.

TRAINING

- St. John's Ambulance First Aid & CPR/AED Level C (2025)

PROFESSIONAL ASSOCIATIONS

- Association of Professional Engineers of Nova Scotia

AREAS OF SPECIALIZATION

- Industrial Approvals
- Environmental Approvals
- Hydrology/Hydrogeology
- Water Treatment
- Climate Change and GHG Assessments
- Dangerous Goods Assessments

RELEVANT EXPERIENCE

Mr. Gascon joined the Strum team in 2021 and leads a team with the Environmental Assessment and Approvals Group. Mr. Gascon is experienced in project management, engineering design, environmental monitoring, groundwater assessments, hazard assessments, environmental assessments, project reporting, and regulatory compliance.

Mr. Gascon has worked in various roles, from field technician to project manager, on numerous projects throughout Atlantic Canada, including various Industrial Approval applications, renewals, and amendments, dangerous goods permitting, and environmental monitoring. Additionally, he has valuable experience developing potable groundwater supplies, evaluating and treating water quality issues, and reviewing factors contributing to groundwater resource degradation at residential sites. His responsibilities lie in managing and coordinating these projects, completing various field programs, collecting, compiling, and analyzing data, developing mitigative measures/plans, and preparing reports and related regulatory paperwork.

More recently, Mr. Gascon has been developing and implementing Environmental Management Plans for a variety of small- and large-scale projects, including environmental monitoring and compliance components for groundwater, surface water, air quality, soil quality, erosion and sedimentation controls, vegetation/wildlife management, hazardous and non-hazardous waste management, spill response, remediation, and decommissioning works.

Mr. Gascon previously worked as a Research Assistant with the Centre for Water Resources Studies. His role involved researching the management and disposal options for municipal drinking water treatment plant waste residuals in the Northwest Territories.

Prior to completing his bachelor's degree, Mr. Gascon was a Mechanical Designer, developing and designing 3D renderings for heavy-duty industrial enclosures. Tasks included designing structures with computer-aided design software, formatting designs compatible with the water jet cutter, configuring assembly plans, and inspecting units for fabrication and assembly deficiencies.

REPRESENTATIVE PROJECTS AND ROLES

Environmental Assessment, Simply Blue Group's Green Hydrogen to SAF Project, NS, 2024-Present –

Environmental Engineer: On-going environmental assessment work (development of the EA Registration Document), including the development of technical and environmental component studies. Involved in coordinating the environmental considerations for the Pre-FEED.

Post-Approval Work, EverWind Point Tupper Green Hydrogen/Ammonia Project Phase 1, NS, 2023-Present –

Environmental Engineer: On-going post-approval work (following approval of the EA Registration Document), including the development of environmental management and monitoring plans. These plans are developed to avoid/mitigate potential impacts to nearby environmental and residential receptors throughout the project lifespan.

EDUCATION

- Bachelor of Engineering (Environmental), Dalhousie University, Halifax, NS (2020)
- Civil/Mining Technician, Collège Boréal, Sudbury, ON (2010)

TRAINING

- Wilderness First Aid (2022)
- Standard First Aid & CPR (2021)
- WHMIS (2021)
- Confined Spaces (2021)
- Excavation and Trenching (2020)
- Pleasure Craft Operator License (2002)

Greenhouse Gas Assessments, NS and NL, 2022-Present – Environmental Engineer – Complete a greenhouse gas inventory for various projects across the Atlantic provinces. Quantifying the GHG generation/sinking potential of a project is becoming a requirement for regulatory, financial, and incentivized institutions. Understanding the GHG contributions from projects increases the requirements to offset and adapt to meet federal and provincial net-zero goals.

Waste Transfer Station Permitting, NS, 2022-Present – Intermediate Engineer: Complete regulatory outreach for the permitting of new waste transfer stations. The permitting process requires detailed engineering plans and specifications, contingency planning, air quality, noise, surface water, and groundwater management and monitoring.

Pyrolysis and Biochar Facilities, NS, 2021-Present – Intermediate Engineer: Complete field studies and key reporting requirements for Environmental Assessment and Industrial Approvals. The permitting process requires detailed engineering plans and specifications, contingency planning, air quality and dispersion modelling, and surface water and groundwater management and monitoring.

Compost Facility Environmental Monitoring Program, NS, 2021-Present – Intermediate Engineer: Monitoring groundwater and surface water sampling, data compilation, data analysis, and regulatory reporting. Prepared various approval amendment applications for submission to NSECC, direct correspondence with NSECC, and streamlined the monitoring and reporting program.

Wind Power Environmental Assessments, NS, 2021-Present – Intermediate Engineer: Conducted watercourse, wetland, fish/fish habitat, wildlife and avian assessments required, and environmental assessment reporting. Developed greenhouse gas and climate change assessment criteria for quantifying the effects or impacts of the Projects on the environment and climate change on the Projects.

Groundwater Geothermal Heating and Cooling System Review and Permitting, NS, 2021-Present – Intermediate Engineer: Withdrawal flow monitoring, water level monitoring, equipment inspection, water quality sampling, data compilation, data analysis, and regulatory reporting.

Municipal Compost Facility Leachate Handling System, NS, 2021-Present – Intermediate Engineer: Design, specification, and industrial approval amendment.

Level I and II Groundwater Assessments, NS, 2021-Present – Intermediate Engineer: Supervise well installation, pump testing (i.e., step and constant), sampling, analysis of aquifer characteristics, groundwater modelling, and regulatory reporting.

Groundwater Geothermal Cooling Systems, NS, 2021-Present – Intermediate Engineer: Withdrawal flow monitoring, water level monitoring, equipment inspection, water quality sampling, data compilation, data analysis, and regulatory reporting.

Environmental Assessment, EverWind Point Tupper Green Hydrogen/Ammonia Project, NS – Phase 1, NS, 2022 – Environmental Engineer: Completed field studies and key reporting requirements for the submission of an EA Registration Document for a green ammonia/hydrogen facility. This was the first green ammonia/hydrogen facility to be approved in both Nova Scotia and Canada.

Production Field Centre Hazardous Materials Assessment, NS, 2021 – Junior Engineer: Hazardous Materials inventory, coordinate sampling, data analysis, and reporting.

Greenhouse Gas Inventory Audit, NS, 2021 – Junior Engineer: Greenhouse Gas auditing for Fisheries and Oceans Canada (DFO) application.

Air Quality Improvement Design, Labrador, NL, 2021 – Junior Engineer: Design, specification, stack testing, data analysis, and construction of ventilation improvements.

Drinking and Wastewater Treatment Plant System Assessments, NS, 2021 – Junior Engineer: Assess water and wastewater infrastructure, establish an asset inventory, and reporting.

Municipal Groundwater Withdrawal Compliance, NS, 2021 – Junior Engineer: Review pumping rates and withdrawal volumes, spatial interferences, sustainability concerns, data analysis, and regulatory compliance.

Registered Potable Groundwater Supply Assessment, NS, 2021 – Junior Engineer: Review design specifications, well logs, water quality, data compilation, data analysis, and regulatory compliance.

AREAS OF SPECIALIZATION

- Water Quality Assessments and Monitoring
- Marine Ecology and Biology
- Fish and Fish Habitat Assessments
- Wetland/Watercourse Assessments and Permitting
- Vegetation Surveys
- Environmental Assessment
- Wildlife Assessments

RELEVANT EXPERIENCE

Ms. Mosher is an Environmental Scientist with Strum working in our Environmental Science Group. She has experience working in many aspects of technical projects and environmental assessments, including field surveys, interpretation of analytical results and data, conducting background research, reporting and regulatory permitting.

Ms. Mosher is an experienced field biologist and has conducted water quality sampling, sediment sampling, habitat assessment, and flora and fauna surveys. As a qualified wetland delineator in Nova Scotia, she has delineated numerous wetlands of a variety of habitat types and conducted multiple functional assessments for permitting and constraints assessments. She is knowledgeable of freshwater and marine fish species of the Maritimes and is proficient in fish sampling methodology. She has been active in fish habitat characterization and watercourse assessments and has performed water quality sampling at contaminated and remote sites. She has conducted an intensive study exploring the effect of anthropogenic pollution on terrestrial biogeochemical cycles.

Ms. Mosher has more than 15 years of experience conducting research and assessments in marine ecology. Her experience involves marine fish sampling, water quality assessments, benthic habitat surveys, and investigations into salt marsh communities. Her marine experience comprises projects in both academia and industry, as well as coordinating a stewardship program with coastal ecology community groups.

REPRESENTATIVE PROJECTS AND ROLES

Environmental Assessment Renewable Energy Park for Sustainable Aviation Fuel, 2023-Present – EA Lead:

Senior writing and reviewing of the environmental assessment for the industrial facility (methanol, green hydrogen and sustainable aviation fuel). Provided project management and regulatory support. Project manager for the onshore wind component of the Project.

Toqlukuti'k Wind and Hydrogen Project Environmental Assessment Registration (NL), 2025-present – Project

Management Support: Providing project management support and report review for the Environmental Assessment registration of a green hydrogen and ammonia project located in Newfoundland.

Wind Power Environmental Assessments, 2022-Present – Project Manager: Providing project management on several 100 MW+ wind farms in Nova Scotia.

Environmental Assessment EverWind Point Tupper Green Hydrogen/Ammonia Project - Phase 1, NS, 2022 – Environmental Scientist: Completed key reporting requirements for the submission of an EA Registration Document for a green ammonia/hydrogen facility located in Cape Breton, NS. This was the first green ammonia/hydrogen facility to be approved in both Nova Scotia and Canada.

EDUCATION

- Master of Science (Earth and Atmospheric Sciences) - University of Alberta, Edmonton, AB (2013)
- Bachelor of Science (Hons.) – St. Francis Xavier University, Antigonish, NS (2010)

TRAINING

- Backpack Electrofishing – Canadian Rivers Institute (2017)
- WESP-AC Training Course (2016)
- Pleasure Craft Operator License (2016)
- NSCSA WHMIS (2015)
- Wetland Delineation and Wetland Plant Identification – Fernhill Institute (2013)
- Canada Safety Council Defensive Driving Course (2012)

Transmission Line Upgrade Environmental Assessment, NL (2020 - 2021) – Environmental Scientist: Completed a desktop review, assessment of environmental impacts, with special consideration of nearby salmon rivers, and reporting to fulfill the permitting requirements for an environmental assessment release for the upgrade and rebuilding of 60 km of transmission line in Central Newfoundland. Developed an Environmental Protection Plan to mitigate potential environmental impacts during construction as a condition of the EA release.

Substation Upgrades and Transmission Line Construction Environmental Assessment, NL (2020 - 2021) – Environmental Assessment – Environmental Scientist: Completed a desktop review, assessment of environmental impacts, with special consideration of a nearby salmon river, and reporting to fulfill the permitting requirements for an environmental assessment release for the upgrade of a substation, including 2 km of new transmission line, in Central Newfoundland. Developed an Environmental Protection Plan to mitigate potential environmental impacts during construction as a condition of the EA release.

Melford Atlantic Gateway Project, NS (2017 - 2021): Participated in the collection and reporting of supplemental information in support of provincial and federal permitting for the construction of a marine terminal and associate rail line. Field assessments included wetland delineation, rare plant surveys, fish sampling and watercourse assessments.

Prepared applications and supporting documentation for submissions for wetland alteration, watercourse alterations and Fisheries Act applications, including the preparation of compensation and offsetting plans.

Windsor Forks Wetland Compensation Project, NS (2015 – ongoing) – Environmental Scientist: Contributed in the design and construction for the restoration of 10 ha former quarry into wetland habitat.

Wetland Delineation and Permitting, NS (2013 – ongoing) – Environmental Scientist: Completed wetland delineation, functional assessments, and permitting submissions at numerous sites around Nova Scotia. Project included post-construction and pre-construction monitoring, compensation planning, and erosion and sedimentation control plans.

Transmission Line Wetlands, Watercourses and Rare Plants Assessments, NS (2020) – Environmental Scientist: Conducted wetland, watercourse and rare plant surveys along 60 km of transmission line, including data compilation and reporting.

Marine Platform Installation Fisheries Act Application, NS (2020): Prepared an application under Section 35 of the federal *Fisheries Act* related to the harmful alteration, disruption and destruction of fish habitat (HADD) for an infilling project within an active harbour. Work involved a desktop review of the marine environment, interpretation of benthic video footage, and the evaluation of environmental impacts on the marine habitat.

Marine Aquaculture Facility Environmental Assessments, NS (2019 - 2020) – Environmental Scientist: Completed reporting and research for environmental assessment registration documents for 6 marine based aquaculture facilities located throughout coastal Nova Scotia.

Highway Interchange and Connector Road Environmental Screening and Permitting, NS (2018- 2020): Completed wetland delineation, watercourse assessments and fish sampling in support of design and environmental permitting for a new highway interchange and connector road. Prepared an environmental assessment report and supporting documents, and associated wetland permitting.

Lantz Development Wetland Assessments and Permitting, NS (2018 - 2020) – Environmental Scientist: Completed wetland delineation, functional assessments and reporting to fulfill the requirements for a wetland alteration permit in support of two mixed-used residential and commercial developments.

Drinking Water Supply Water Withdrawal Permit Renewal, NS (2018) – Environmental Scientist: Prepared a water withdrawal permit for a drinking water supply, including assessment of environmental impacts and review of water quality data.

Tidal Energy Environmental Assessment, NS (2017 - 2019) – Environmental Scientist: Completed field surveys and report writing for an environmental assessment for a marine tidal energy development. Work completed included benthic invertebrate assessment, marine mammal surveys, interpretation of benthic habitat surveys, wetland delineation and rare plant surveys.

Susie Lake Water Quality Monitoring Program, NS (2016-2018) – Environmental Scientist: Conducted a monthly water quality sampling program at watercourses and lakes adjacent to a busy commercial area and highway. Work included water sampling, interpretation of laboratory results and reporting.

Spaceport Environmental Assessment, NS (2017) – Environmental Scientist: Completed wetland assessments, rare plant surveys, and terrestrial mammal surveys at a remote coastal barren and bog site in Nova Scotia. Involved in the writing and assessment of environmental impacts to the surrounding environment from the development and operation of a rocket launch facility.

Drinking Water Reservoir Dam Replacement Environmental Assessment, NS (2016) – Environmental Scientist: Completed field assessments for vegetation, wetlands, and freshwater mussels. Contributed to the analysis of environmental effects on the surrounding aquatic and terrestrial environment for the replacement of a dam at a drinking water supply reservoir.

Hardwood Lands Community Wind Project Environmental Assessment, NS (2015) – Environmental Scientist: Involved in the completion of desktop research, wetland assessments, rare plant surveys, avian surveys, habitat mapping and moose surveys for a 6 MW wind power project environmental assessment.

Marine Surveys for Wastewater Treatment System Upgrade at a Salmon Hatchery, NB (2015) – Environmental Scientist: Completed desktop and field-based studies into environmental effects of effluent into a coastal bay off the Bay of Fundy. Studies include fish habitat assessment, dispersion modeling, water quality assessment and benthic habitat surveys.

Dam Decommissioning Wetland and Rare Plant Assessments, NS (2015) – Environmental Scientist: Completed wetland delineation, wetland functional assessments, and rare plant surveys at hydroelectric dam sites around Nova Scotia. Assessed the potential impact of dam decommissioning and changing water levels within reservoirs on sensitive environmental features.

Belmont Wetland Compensation, NS (2015 - ongoing) – Environmental Scientist: Concept design, pre-construction ecological monitoring and construction monitoring for the remediation of a former wetland at the Belmont Quarry in Belmont, NS, as part of wetland compensation.

Auld's Cove Transmission Project Avian Assessment, NS (2016) – Environmental Scientist: Conducted nocturnal bird surveys, audio surveys, desktop research and statistical analysis for an extensive avian assessment at the Auld's Cove transmission lines and the Canso Causeway.

Susie Lake Developments Environmental Assessment, NS (2015) – Environmental Scientist: Conducted desktop and field studies, including a mainland moose monitoring program, water quality sampling and socio-economic analysis for a large residential and commercial subdivision.

Safe, Clean Drinking Water Project Environmental Constraints Assessment, NB (2014) – Environmental Scientist: Participated in desktop analysis and field studies identifying environmental constraints for the construction and upgrade of a city-wide drinking water distribution system. Components included wetland delineation, fish sampling, rare plant surveys, fish habitat assessments, reporting and permitting consultation.

Safe, Clean Drinking Water Project Groundwater Site Environmental Assessment, NB (2014) – Environmental Scientist: Participated in the desktop analysis and field studies to determine the environmental baseline condition at the site of three proposed groundwater wells. Field studies included wetland delineation and functional assessment, fish sampling, and fish habitat assessment.

Marine Terminal Expansion Environmental Assessment, NB (2014) – Environmental Scientist: Completed desktop studies, background research and analysis of environmental impacts on marine environmental components including fish habitat, benthic habitat, navigation and marine mammals.

Maritime Link Transmission Line Wetland and Rare Plant Assessment, NL and NS (2013 - 2014) – Environmental Scientist: Conducted field surveys to assess rare plants and wetlands along the footprint of the transmission and grounding lines for the purpose of construction planning and permitting. This involved the identification and functional assessment of wetlands and areas of rare plants along a combined total of 500 km of transmission and grounding line corridor as well as all associated site facilities.

Marine Training Mitigation Measures (2014) – Environmental Scientist: Participated in a desktop analysis to identify environmental impacts of naval at-sea training exercises throughout North America and Europe. This involved the identification of environmental components and potential adverse impacts, and the development of appropriate mitigating measures.

Chebucto Terence Bay Wind Farm Project Environmental Assessment, NS (2014) – Environmental Scientist: Completed desktop studies, background research and analysis of environmental and socio-economic impacts for a 7.2 MW wind farm.

Aboiteau Replacement Fisheries Application, NS (2014) – Field Biologist: Conducted fish sampling and fish habitat assessments and compiled a fisheries application to assess the impact of replacing an existing aboiteau on the local fish population.

Sediment Erosion Control Program, NB (2014) – Environmental Scientist: Conducted statistical analysis to determine the effectiveness of erosion control measures around watercourses at an active military base.

Fish Monitoring Program, NL (2013) – Environmental Scientist: Fish sampling, watercourse assessments and water quality analysis as part of an ongoing fish and fish habitat monitoring program at a highly contaminated military site. Fish tissue was analyzed for contaminant concentration and the resulting trends were analyzed.

AREAS OF SPECIALIZATION

- Avian Surveys (e.g., breeding, migration, SAR surveys, nocturnal owl surveys, nightjar, diurnal raptor surveys, etc.)
- Fish Habitat Assessment and Electrofishing/Fish Collection
- Wetland and Watercourse Assessment and Delineations
- Wildlife and Habitat Surveys
- Surface and Groundwater
- Construction Monitoring
- Field Survey Design and GIS
- Spatial Analysis and Creation of Maps using QGIS and ARCGIS
- Data Management
- Industrial Approvals
- Environmental Approvals and Technical Reporting
- Company Mentor – Avian Training (i.e., bird identification and nest sweeps)

EDUCATION

- Bachelor of Science (Biology Honours and Co-op), Environment, Sustainability and Society, Dalhousie University, Halifax, NS (2016)

TRAINING

- Emergency First Aid AED CPR “C”, Red Cross (2024)
- Pleasure Craft License (2024)
- WESP-AC (2023)
- WHMIS (2023)
- Electrofishing Certification – Crew Supervisor (2021)
- Introduction to the Care and Use of Wildlife (2016)

RELEVANT EXPERIENCE

Ms. Lohnes has been in the environmental consulting profession since May 2021. She primarily performs environmental monitoring for a variety of large and small-scale development, construction and exploration initiatives, as well as project related field assessments across Nova Scotia, Prince Edward Island, Ontario, and Alberta, Canada. Ms. Lohnes has completed environmental assessment reporting, specialized avifauna surveys, nest sweeps, species at risk assessments, various fauna and habitat assessments, wetland delineation, watercourse assessments, fish and fish habitat assessments, fish rescues, and construction monitoring. She also has experience with independent/remote field work, GIS, environmental regulation, and project management/coordination (e.g., regulator and client collaboration, budgets, proposals, and survey design/scoping). Ms. Lohnes has been an avid bird watcher since 2014, is skilled in identifying bird species by sight and sound, and is also skilled in identifying nests. Ms. Lohnes also participates in the ECCC/CWS North American breeding bird survey and the Christmas Bird Count yearly through the Audubon Society and volunteers with the Marine Animal Rescue Society, the Back to Sea Society, as well as Hope for Wildlife.

REPRESENTATIVE PROJECTS AND ROLES

Environmental Monitoring and Various Assessments/Surveys, Transmission Line Construction Project, ON, 2021 – Present – Environmental Scientist: Environmental monitoring of a transmission line construction project (Wataynikaneyap Power Transmission Project) that includes regulatory advising, spill response/reporting, erosion/sediment control, wildlife monitoring/reporting, wildlife surveys (e.g., nest sweeps and caribou surveys), water quality monitoring, hazardous waste and environmental supply management, camp/equipment inspections, watercourse delineation, and reporting on construction activity.

Environmental Assessment, Various Projects, 2021-2024 – Environmental Scientist: Worked on terrestrial and fish baseline reports and environmental effects chapters for various mine, quarry, and wind projects, as well as other development projects across the maritime provinces (e.g., Lantz Quarry Expansion, Walden Quarry Expansion, Six Mile Brook Quarry Expansion, Tote Road Quarry Expansion, Shaw Sand Pit, Goldboro Gold Mine, Wedgeport Wind Project, Clydesdale Wind Project, Rhodena Wind Project, Wejipek Wind Project, Antrim Gypsum Mine, and the Caribou and Wood Islands Ferry Terminal Expansion Projects). Also involved in the development of management and monitoring plans regarding birds and species at risk for the Fifteen Mile Stream Gold Mine Project.

Avian Survey Design and Completion/Project Coordination, 2021-2024 – Environmental Scientist: Planned and developed avian survey programs, including species at risk, coastal, migration, nocturnal owl surveys, breeding, and raptor/diurnal watch count surveys, for various mine, quarry, solar, and wind projects, as well as other development projects across the maritime provinces (e.g., Tote Road Quarry Expansion, Lantz Quarry Expansion, Walden Quarry Expansion, Six Mile Brook Quarry Expansion, Shaw Sand Pit, Goldboro Gold Mine, Wedgeport Wind Project, Clydesdale Wind Project, Rhodena Wind Project, Wejipek Wind Project, Apitamkiejit Wind Project, Upper Afton Wind Project, New Prospect Wind Project, White Cedar Wind Project, Port Malcolm Solar Project, Caribou and Wood Islands Ferry Terminal Expansion Projects, Sungro Horticulture Peat Harvesting Projects, etc.). During the avian survey design and planning process, the applicable governmental regulators (e.g., through CWS and NSNRR) were consulted, as well as project managers and clients. Once design and planning was completed, surveys were scheduled and completed by Jessica and other bird surveyors on the team.

Wildlife, Fish, and Habitat Surveys, 2021-2024 – Environmental Scientist: Conducted avifauna surveys: nest sweeps, nocturnal owl surveys, diurnal raptor surveys, nightjar surveys, species at risk surveys, spring/fall migration surveys, and breeding bird surveys. Conducted fauna surveys (e.g., species at risk, turtle surveys, moose surveys, PGI, and wildlife track surveys). Conducted water quality sampling and surface water flow sampling. Conducted watercourse assessments and wetland monitoring. Conducted fish and fish habitat assessments including electrofishing, fish collection, and fish rescues during construction. Completion of watercourse and wetland boundary determination and characterizations for regulatory wetland and watercourse alteration permitting. Conducted forest habitat assessments using the FEC guide. Surveys were completed for various mine, quarry, solar, and wind EA, and other small- or large-scale development projects across the maritime provinces.

Wetland Restoration and Fish-Offsetting Projects, 2021-2024 – Environmental Scientist: Level-logger and piezometer monitoring well installation and maintenance, wetland and watercourse delineation and data collection, as well as fish collection and fish habitat suitability index surveys to contribute to various wetland restoration and fish-offsetting programs in Nova Scotia.

PROFESSIONAL ASSOCIATIONS

- PADI Professional

AREAS OF SPECIALIZATION

- Fish and Fish Habitat
- Fish Rescue
- Freshwater Mussels
- Environmental Monitoring

RELEVANT EXPERIENCE

Ms. Ferrari has been in the environmental consulting industry since June 2020. She primarily specializes in fish and fish habitat sciences. Ms. Ferrari has a range of experience in the planning and implementation of aquatic field programs, as well as experience in regulatory permitting. She has worked as a field biologist responsible for conducting a variety of biophysical assessments including wetland delineation, watercourse delineation, fish habitat surveys, fish collection, benthic invertebrate sampling, periphyton sampling, sediment sampling, fish rescues, turtle surveys, snorkel surveys, water quality sampling, flow monitoring, and brook floater surveys.

EDUCATION

- Bachelor of Science (Biology), Saint Francis Xavier University, Antigonish, NS (2019)

TRAINING

- Intermediate Workplace First Aid Level C CPR & AED (2023)
- WHMIS Certificate (2023)
- PADI Open Water Scuba Diving Instructor (2022)
- Backpack Electrofishing Certificate (2020)
- Pleasure Craft Operator (2020)

REPRESENTATIVE PROJECTS AND ROLES

Fisheries Act Authorization, Elmsdale, NS, 2025 – Aquatic Disciple Lead: Fisheries disciple lead and main author of the Fisheries Act Authorization (FAA).

Fisheries Act Authorization and Request for Review, Upper Fox Island, NS, 2024-2025 – Field Lead and Aquatic Disciple Lead: Acted as a field lead for the submission of both the Request for Review (RfR) and FAA. Ms. Ferrari was the primary author for both the RfR and the FAA.

Fisheries Act Authorization, Fishermans Harbor, NS, 2024 – Field Lead and Aquatic Disciple Lead: Acted as a field lead for a shoreline assessment to prevent erosion during large storm events. Ms. Ferrari was the primary author for the FAA.

Federal Environmental Assessment, Trafalgar, NS, 2024 – Field Technician: Acted as a field technician for a gold mine federal EA in Trafalgar, NS. The scope of work included fish collection, periphyton sampling, eDNA, benthic invertebrate sampling, geomorphological surveys, water quality sampling, moose surveys, flow monitoring, and detailed fish habitat assessment. Ms. Ferrari was the primary author of the baseline report submitted in 2024.

Environmental Assessment, Cook Brook, NS, 2023 – Field Lead: Acted as a field lead for a biophysical and provincial gypsum mine Environmental Assessment. The scope of work included a preliminary bank survey and habitat assessment for brook floaters, detailed habitat assessment, wetland delineation, and fish collection. Ms. Ferrari was the primary author for the biophysical report submitted in 2023.

Biophysical Assessment, Cooks Brook, NS, 2023 – Technician: Acted as a technician for a biophysical report in Cooks Brook, NS. The scope of work included a preliminary bank survey and instream brook floater survey along a portion of the Gays River to identify brook floaters or their habitat.

Federal Environmental Assessment, Sherbrooke, NS, 2023 – Field Technician: Acted as a field technician for a gold mine federal Environmental Assessment in Sherbrooke, NS. The scope of work included fish collection, periphyton sampling, benthic invertebrate sampling, water quality sampling, flow monitoring, and detailed fish habitat assessment. Ms. Ferrari was the primary author of the baseline report submitted within 2023.

Highway Twinning Project, New Glasgow to Antigonish, NS, 2021-2023 – Field Technician: Acted as a field technician for a highway twinning project along Highway 104 from New Glasgow to Antigonish. The scope of work included completing various sized fish rescues, detailed fish habitat assessment, and turtle surveys. Ms. Ferrari was also the primary author of various fish rescue reports.

Environmental Assessment, Goldboro, NS, 2021-2023– Field Technician: Completed field work for a provincial gold mine Environmental Assessment in Goldboro, NS. The scope of work included detailed fish habitat assessment, eDNA, redd surveys, benthic surveys, and fish collection. Ms. Ferrari was the primary author of various baseline reports and supported the submission of the EARD, FAA, Aquatic Effectiveness Monitoring Plan (AEMP), and Offsetting Plan.

Environmental Monitoring, Pickle Lake, ON, 2020-2023 – Environmental Monitor: Acted as an environmental monitor for a 1300 km transmission line project. Completed regulatory advising, spill response, erosion/sediment control, wildlife monitoring, water quality monitoring, and reporting on construction activity.

Fisheries and Oceans Canada (DFO) Request for Review, Halifax, NS, 2022 – Field Technician: Acted as field technician for DFO Request for Review (RfR) to upgrade a boat ramp within the Halifax Harbour. The scope of work included fish collection, shoreline assessment and water quality. Ms. Ferrari was the primary author.

Federal Environmental Assessment, Marinette, NS, 2020– Field Technician: Acted as a field technician for a gold mine federal Environmental Assessment in Marinette, NS. The scope of work included fish collection, eDNA sampling, water quality sampling, flow monitoring, and detailed fish habitat assessment.

AREAS OF SPECIALIZATION

- Wetland and Watercourse Assessment
- Old Growth Scoring
- Wildlife Surveying and Assessment
- Bat Call Spectrogram Analysis
- Environmental Data Collection, Analysis, and Reporting

RELEVANT EXPERIENCE

Leah Riehl joined the Strum team in 2023 as an Environmental Scientist with a specialization in environmental data collection and analysis. While studying at Saint Mary's University (SMU), Leah majored in environmental science and gained experience in a wide variety of academic disciplines including geology, geography, physics, chemistry, and biology. She is an experienced field scientist and has an in-depth knowledge of various on the ground field protocols.

EDUCATION

- Bachelor of Science, Major in Environmental Science, Saint Mary's University, Halifax, NS (2023)

TRAINING

- Pleasure Craft Operator License, Transport Canada (2021)
- WHIMIS (2023)
- Emergency First Aid & CPR/AED Level C, St. John Ambulance (2023)
- Bear Awareness Training, Worksite Safety (2023)
- Wetland Ecosystem Services Protocol for Atlantic Canada (WESPAC), Maritime College of Forest Technology (2023)
- Trailer/Towing Training (2023)
- Utility Vehicle Training, Canada Safety Council (2023)

Leah completed her Bachelor of Science at Saint Mary's University in 2023. During her studies, Leah specialized in environmental management, conservation, and remediation. Through completion of academic assignments throughout her degree, Leah has designed a watershed management plan for a local watershed, a remediation plan for an urban park in Halifax, and a habitat model for an endangered lichen species. She also became familiar with ArcGIS, QGIS, and the Forest Ecosystem Classification system, and gained baseline knowledge of species identification with a focus on plants and herpetofauna of Nova Scotia.

Leah also completed the Cooperative Education program during her undergraduate degree at SMU, gaining professional experience through three summer work placements at the Discovery Centre, the Mersey Tobeatic Research Institute (MTRI), and Nature Conservancy Canada (NCC), respectively. Through these placements, Leah gained experience in environmental education, species at risk research and management, protected areas management, and invasive species management.

At MTRI, Leah planned and participated in field surveys for species at risk including Blanding's turtles, Eastern ribbonsnakes, and various bat species. Leah became experienced with turtle nesting surveys, snake and turtle visual surveys, bat roost surveys, radio tracking, and acoustic monitoring. At NCC, Leah gained experience writing reports summarizing conditions of conserved areas and using ArcGIS to create maps of protected areas. She also gained further experience with species surveys by conducting surveys for both invasive and at risk species.

At Strum, Leah is active in conducting field work to support environmental assessments, including but not limited to wetland delineations, watercourse assessments, old growth scoring, rare plant surveys, bird surveys, acoustic monitoring, pellet group inventory assessments, and wildlife surveys. She is also experienced in data compilation, data analysis, and report preparation and is trained in the operation of utility vehicles, trailer towing, and WESPAC assessment. She has participated in work across large projects and works closely with senior staff to prepare reports and regulatory submissions.

REPRESENTATIVE PROJECTS AND ROLES

Wind Power Environmental Assessments, 2023- Present: Conducted field work and data compilation and analysis to support environmental assessments for a number of 100MW+ wind farms across Nova Scotia including but not limited to wetland and watercourse assessments, old growth scoring, avian and bat acoustic monitoring, rare plant surveys, and specialized species surveys. Prepared, interpreted, and organized field data. Prepared various environmental assessment documents, including desktop reviews, field methodologies, and effects assessments.

Post-Approval Work, NS, 2023-Present – Junior Environmental Scientist: Conducted data compilation and reports for various wind farm projects to fulfill post-approval conditions such as additional wetland and watercourse data collection and post-approval bat monitoring.

PROFESSIONAL ASSOCIATIONS

- Alberta Society of Professional Biologists (P.Biol.)
- College of Applied Biologists (RP Bio.)

AREAS OF SPECIALIZATION

- Project Management
- Fish and Fish Habitat
- Fisheries Offsetting Plans
- Water Quality Assessments and Monitoring
- Wetland/Watercourse Assessments
- Marine Ecology and Biology
- Environmental Assessment
- Permitting and Regulatory

RELEVANT EXPERIENCE

Mr. Murphy is a Senior Project Manager with Strum, working on the Environmental Assessment & Approvals team. He is a seasoned environmental consultant with over 13 years of professional experience as a biologist, managing and executing a wide variety of environmental programs across Canada. His expertise spans all aspects of environmental assessments and technical projects, including field surveys, data interpretation, background research, reporting, and regulatory permitting.

Mr. Murphy has extensive experience in fisheries and aquatics assessments. He has conducted numerous water quality and sediment sampling, habitat assessment, and flora and fauna surveys. He is knowledgeable of freshwater and marine fish species of Atlantic Canada and other jurisdictions and is proficient in sampling for fish using a variety of methodologies. He has led numerous fish habitat characterizations and watercourse assessments and has in-depth experience navigating Fisheries and Oceans Canada (DFO) *Fisheries Act* Authorizations, offsetting programs, and federal and provincial regulations across Canada.

He has planned and coordinated multi-team fieldwork programs for small to large projects throughout Canada. He is well-versed in both provincial and federal permitting and approval processes and collaborates closely with project teams to prepare and review technical reports and regulatory submissions. He is known for his integrity and professionalism, maintaining excellent relationships with colleagues, clients, regulators, and contractors. His approach to addressing challenging situations is pragmatic and collaborative, with a focus on practical, effective solutions.

REPRESENTATIVE PROJECTS AND ROLES

Environmental Assessments, 15-Mile Consolidated Project, NS, 2025-Ongoing – Project Manager: Supporting the proponent through the environmental assessment (EA) process for three proposed mine sites in Nova Scotia. Specific duties include a detailed review of previously submitted technical reports and permitting approvals, and management of the biophysical assessments required for the environmental assessment registration document (EARD), including wetlands and watercourses, fisheries, breeding bird surveys, rare flora assessments, wildlife, habitat assessments, and old growth assessments.

EDUCATION

- Master of Science (Environment and Management) – Royal Roads University, Victoria, BC (2023)
- Bachelor of Science (Hons.) – Environmental Science, Saint Mary's University, NS (2012)

TRAINING

- Quantitative Analysis for Environmental Professionals – Ontario Tech University (2025)
- Backpack Electrofishing Crew Supervisor – Applied Aquatic Research (2015)
- Boat Electrofishing Certification – Applied Aquatic Research (2015)
- WESP-AC Training Course (2022)
- Wetland Delineation and Wetland Plant Identification – Fernhill Institute (2020)
- Pleasure Craft Operator License (2016)
- Nova Scotia Watercourse Alteration Certification for Installers (2020)
- Nova Scotia Watercourse Alteration Certification for Sizers (2020)

Fisheries Act Authorizations and Offsetting Plans, West Fraser Timber Company Forestry Projects, AB, 2023-2025 – Lead Fisheries Biologist: Provided strategic fisheries advice to the proponent to support the development of their resource road networks in regions with several species at risk listed species and fisheries considerations. This included liaising with DFO on behalf of the proponent, preparing multiple *Fisheries Act* Authorizations and associated Offsetting Plans, guidance on watercourse crossing requirements, and best practices to ensure approval and protect fisheries resources.

Aquatics and Fisheries Permitting, Trans Mountain Pipeline Expansion Project, AB and BC, 2020-2025 – Project Manager: Provided project management and subject matter expertise for aquatics and fisheries, and permitting to support the Trans Mountain Pipeline Expansion Project (TEMP). This included over 1,200 watercourse crossings across Alberta and British Columbia, each with their own unique fisheries components and provincial and federal permitting requirements. Also responsible for the management of several *Fisheries Act* Authorizations, *Species at Risk Act* permitting, and several unique fish and fish habitat offsetting plans on behalf of the proponent.

Regional Assessment and Constraints Analysis, Offshore Wind Development, NS, 2025 – Project Manager: Completed a comprehensive risk assessment and constraints analysis report for an Indigenous group in Nova Scotia. The report was used to support the Indigenous group with understanding each of the proposed development areas for offshore wind development in Nova Scotia, the environmental and economic benefits and risks, Indigenous perspectives or considerations, and data gaps, to share information with their community and make informed planning decisions for their involvement in the offshore wind sector.

Construction Monitoring, Plains Midstream Canada (PMC) Waterton River Pipeline Replacement Project, AB, 2017-2020 – Project Manager: Lead project manager for a \$5 million open-cut pipeline replacement project with several species- and site-specific environmental constraints. Scope of work included project planning, construction monitoring, obtaining regulatory permits and approvals, coordinating instream isolations, executing fish capture and release programs, implementing environmental protection plans, and developing interim and final reclamation plans. In addition, bi-annual post-construction monitoring and reporting was completed to monitor reclamation success and ensure regulatory compliance.

Pipeline Integrity Dig Programs, PMC Rainbow, Rangeland, and Co-Ed, AB, 2017-2020 – Project Manager: Project manager and crew lead for annual pipeline integrity dig programs. Each year the integrity dig programs comprised 100+ integrity dig locations spread across Alberta, with several locations having unique and challenging environmental constraints. Scope of work included desktop and field environmental assessments, environmental planning, obtaining regulatory permits, developing site-specific Environmental Protection Plans, and managing and coordinating several crews completing wildlife surveys, water quality monitoring, and fish rescues. Each project deliverable was submitted in a timely manner and the programs were completed under budget.

Water Quality Monitoring and Fish Rescue, Bluebird Harvie Passage Bow River Restoration Project, AB, 2017-2020 – Fisheries Lead: Water quality monitoring and fish rescue crew lead for the restoration of the Bow River's Harvie Passage, within the City of Calgary. Activities included construction oversight, water quality monitoring from a jetboat during channel diversions and instream activities, culvert replacement monitoring, and backpack, float, and boat electrofishing within large instream isolations.

Offsetting Design and Implementation, Waterton River Pipeline Replacement, AB, 2019 – Fisheries Lead: Developed a fisheries offsetting compensation plan for DFO as part of the *Fisheries Act* Authorization for a major open-cut watercourse crossing project. The plan included establishing an off-stream watering system for cattle, improving fish habitat with large woody debris, willow staking to improve riparian vegetation and cover, and exclusion fencing. Oversaw the implementation of offsetting measures and completed annual follow-up monitoring and reporting to measure the success of offsetting works.

Salmonid Habitat Restoration, Alberta Environment and Parks (AEP) Elbow River Habitat Restoration Project, AB, 2019 – Project Manager: Project manager and environmental technical lead for the prime contractor completing salmonid habitat restoration along the Elbow River in Calgary, on behalf of AEP. Work activities included pre-construction vegetation and wildlife surveys, ECO Plan, Care of Water Plan, Fish Capture and Release Plan, and leading fish rescue and water quality monitoring crews.

AREAS OF SPECIALIZATION

- Avian Ecology
- Wildlife and Wildlife Habitat
- Avian Population Studies
- Avian Identification (global and local, common & rare)
- Avian Acoustics
 - Annotation
 - Model Development
- Nocturnal Bird Calls and Patterns
- Bird Migration
- Butterflies and Moth identification (Lepidoptera)
- Report Writing

EDUCATION

- Global Development Studies, Queens University, Kingston, ON (2021-Present)
- Political Science, Acadia University, Wolfville, NS (2019)

TRAINING

- WHMIS (2024)
- Standard First Aid, Level C CPR and AED with the St. John Ambulance (2024)
- Bear Awareness Training (2024)

RELEVANT EXPERIENCE

Mr. Lalonde is an Environmental Scientist working in our Environmental Assessment & Approvals group. Logan has 13 years of experience (7 professional years) as an ornithologist and biologist in Canada and internationally. Logan's skills include: visual identification skills at expert level of every North America bird species - including vagrants and casuals - migrant and breeding bird research on both sides of the country, auditory identification skills at expert level of every regularly occurring Canadian bird species, nocturnal migrant auditory bird identification skills at expert level of all Canadian bird species, skills utilizing sound recording software such as parabolic bird sound recorders, Audacity, Audition, Raven, Macaulay Library, and other software including with experience AI training, and near-professional level for nature photography at macro and telephoto ranges (16 years experience). Details of experience gained are provided below:

Long Term Acadia University Woodland Trails Fall Migrant Project, 2018-Present: Created a long-term project to monitor fall migration in protected woodland in Kings County, with hundreds of field hours put in, noting how annual climate and habitat fluctuations alter migrant populations in the fall months. Set to be a legacy project for the future to observe decades-long impact of climate change to bird populations in conjunction with Acadia University.

Created over 40 New eBird Hotspots in Canada and Brazil, 2015-present: An eBird hotspot delineates an area of natural land that has a high variety of bird species. Logan has explored and mapped areas based on habitat analysis to find new unexplored areas that have potential to have great diversity. He then visits the location for several days and confirms or denies the diversity. If diversity is confirmed, he works with eBird moderators to create a new hotspot for the location.

Nocturnal Migration Monitoring, 2021-2023: Logan conducted personal research on nocturnal songbird migration in the field from the same location, during three fall migrations. The research compared nocturnal human detection to nearby NFC radars and NFC stations to attempt to fill in gaps to what birds are migrating overhead at night and what the correct complexion of bird migration is from the ground.

Featured in an Article in the Nova Scotia Birds Quarterly Publication, 2023: Logan was the featured ornithologist in NS Birding Society "Behind the Oculars by Andy de Champlain".

Set the All-time County Record for Bird Species seen in a Calendar Year for Two Regions: Kings County, NS 2023 and Central Okanagan County, BC 2020

Three Month Internship at Fazenda Bananal Educational Camp; Resource Centre - Paraty, Brazil, 2019: Roles –

- Assisted in biodiversity monitoring (including bird observation camp and research)
- Participated in teaching within educational programs and sustainable activities, received and toured visitors camp and university students to the Centre
- Tasked in maintenance of the birding trails, educational Centre, and agroforest (was taught how to create and uphold a self-sustainable ecosystem such as an agroforest)
- Worked with biologists and a famed ornithologist and was taught about the Atlantic Rainforest and its nature and birds by these individuals
- Worked in every sector of the farm and area, including the horticultural Centre
- Discovered two new sensitive breeding zones for protected red listed species in British Columbia, including colonies of several species, 2018-2020: The two most notable species were Yellow-breasted Chat and Clay-colored Sparrow.
- Canada's under-19 representative for bird studies – selected by the Cornell Lab of Ornithology, January, 2019: As part of the selection, he was flown to Rio de Janeiro, Brazil, to attend an International Youth Birding Conference. He collaborated with other ornithological minds his age from Britain, the United States, and Brazil, as well as famed biologists from several countries while there

Selected for and Attended Cornell's Lab of Ornithology Young Birders Event in Ithaca, New York, 2017:

Networked and formed a strong bond with Cornell and eBird from this time on and helped his future endeavors. Skills learned at this weeklong event included acoustics, raw data collection using parabolic disks and complex software, advanced identification and counting of birds, and general knowledge.

Selected for and Attended the Doug Tarry Young Ornithologist Workshop at Long Point Bird Observatory, 2017: Learned advanced migration information and got introduced to Radars and ARUs, learning about them. Learned daily how to bird band.

In addition to the above, Logan has taken on the role at Strum of coaching and mentoring of Avian Sector – hosting numerous coaching sessions for skill development in the avian sector, for the field and in acoustics. He has created several detailed guides in the areas of Nighthawk, BirdNet, and the identification of Nocturnal Flight Calls, all of which exist as permanent reference works for new and existing team members. These guides are updated as needed over time.

REPRESENTATIVE PROJECTS AND ROLES

Avian Studies, Various Projects, NS, 2024 – Environmental Specialist: Authored fall migration sections on various projects, and completed QA/QC of the spring migration, breeding bird, and nightjar survey sections. Also completed QA/QC of various bird reports and added weather data and other pertinent information to various projects.

Avian Studies, Various Projects, NS, 2024 – Field Lead: Acted as Field Lead at various sites. Authored weekly reports on avian trends, activities, and safety for these sites when needed, and every week for Breeding Bird Surveys.

Avian Acoustics, Various Projects, NS, 2024 – Avian Acoustics Developer: Ongoing work as a developer for the Avian Acoustics program has lead to changes and refinement of bird species pools and procedures for all data collection regarding acoustics and field data, including Nighthawk, BirdNet, Survey123, and Excel forms for all projects. In tune with the constantly changing taxonomy of birds, changes are continually made to ensure these translate into acoustic, field studies, and reports.

Avifauna Surveys, Various Projects, NS, 2024 - Environmental Scientist: Avian Lead for Spring Migration and Breeding Bird Surveys, Nightjar Surveys, editor of GIS data, remapped Bicknell's Thrush habitat in NB, lead biologist, choosing where to install bat and bird ARUs and installing them (former employer).

AI Model, NS & NB, 2022-2024 - Nocturnal Bird Call Sound Technician: Working alongside Dr. Phil Taylor, Logan assisted in creating an AI model to automatically identify nocturnal flight calls. His roles included reviewing, listening, and looking at hundreds of thousands of recordings of either sounds recognized by the beta form model, or raw recordings without processing, and identifying species and what birds are vocalizing. These sound recordings came from radars installed by Dr. Taylor and his collaborators in Nova Scotia and New Brunswick. Also created categories and separated amphibians, insects, and other life forms picked up by the radars and established and deciphered patterns in the data and retrained the AI with the new information, as well as brainstormed with Dr. Taylor about how to improve the model (former employer).

Cornell Lab of Ornithology at eBird (Remotely), 2022-2023 - Acoustics Technician: As a part of the privately invited team developing the Merlin app, Logan was responsible for annotating several hundred bird species from audio recordings around North America. The process required listening to thousands of recorded length audio clips and identifying every bird species heard in the soundscape and then annotating these species in the Macaulay Library software (former employer).

British Columbia Field Ornithologists, Avocet Tours, etc., BC, 2015-2018, Biologist: Led many birding tours, field outings for ornithological conferences and biology excursions for local and visiting birders, school groups, and naturalist clubs throughout the Okanagan Valley (former employer).

University of British Columbia Okanagan Campus, Kelowna Museum, Central Okanagan Naturalist Club, etc., BC, 2015-2018 - Guest Bird Studies Lecturer: Conducted various ornithological and nature lectures. Invited to these locations to speak to university students and professors about local ecology and avian science (former employer).

CBC/UnisTV - Featured in a Television Series, “Fou de Oiseaux”, BC, 2016 – Biologist: Guided through birding areas of the Okanagan for a 2-part episode. Logan was used as a local expert, speaking on the protected and notable birds of the area, and was entrusted with planning the filming of his episode and following a script (former employer).

Central Okanagan Naturalist Club Birding Director, 2015-2018 – Board Director: The youngest board director in Canada's history (age 14 when appointed), Logan was voted in as Birding Director and served for 4 years. Attended weekly meetings and presented a report for bird population trends each time. In conjunction with the Conservation Director, he helped to formulate ideas on how to protect local ecosystems. He also presented monthly at their general meeting, in front of 250 members. This included a lot of report writing, with respect to birds, plants, conservation, and ecosystems. He began report writing for the naturalist club in 2013, which allowed him to gain an excellent reputation in order to eventually get this position (former employer).

AREAS OF SPECIALIZATION

- Environmental Assessment
- Environmental Approvals & Permitting
- Industrial Approvals
- Management & Monitoring Planning
- Wildlife, Wetland, & Watercourse Assessments
- Dangerous Goods Assessment

RELEVANT EXPERIENCE

Lyndsay has worked across a variety of roles, from field intern to project manager, focusing on energy projects within Western and Atlantic Canada. She is active in the development and coordination of environmental assessments, industrial approvals, environmental approvals/permitting, along with field and monitoring programs. Lyndsay also has valued experience with and knowledge of provincial and federal regulations, allowing her to provide advisory services for various projects. More recently, she has been responsible for post-approval regulatory compliance and associated management and monitoring planning for both small-scale and large-scale projects.

Ms. Eichinger first joined the Strum team in 2020 as an Environmental Intern, while working towards her Masters of Resource and Environmental Management degree at Dalhousie. While studying at Dalhousie, Lyndsay specialized in remediation, environmental assessment, and natural resource management in Nova Scotia. Lyndsay also obtained her Bachelor of Science degree in 2019 from the University of British Columbia where she specialized in Earth and Environmental Science with a minor in Economics.

During her graduate studies, Lyndsay researched the Boat Harbor Remediation Project, producing a technical review paper evaluating the cost-effectiveness of the different remedial components and technologies considered by the project. This paper has since been published in the journal Remediation titled: Review of remedial options for the Boat Harbour remediation project in Nova Scotia, Canada.

Lyndsay held a previous position with RAM Environmental Response as a HAZMAT Responder based in the BC interior. Her role was fast-paced and multidisciplinary, working in tandem with senior management on emergency response planning and remediation teams on site. Lyndsay has responded to an array of emergency situations involving dangerous goods, such as train derailments and fuel spills, all requiring coordination between clients, contractors, first responders, and government parties. She has a strong background in safety protocols, erosion control implementation, response tactics, and emergency remediation measures for a variety of contaminants. Lyndsay is well practiced in remote travel along with ATV, snowmobile, and 4x4 use.

REPRESENTATIVE PROJECTS AND ROLES

Post-Approval Work, EverWind Point Tupper Green Hydrogen/Ammonia Project Phase 1, NS, 2023 – Environmental Scientist: On-going post-approval work (following approval of the EA Registration Document) including the development of environmental management and monitoring plans. These plans are developed to avoid/mitigate potential impacts to nearby environmental and residential receptors throughout the lifespan of the Project.

EDUCATION

- Masters of Resource and Environmental Management (MREM) - Dalhousie University, Halifax, NS (2021)
- Bachelor of Science - University of British Columbia (2019)

TRAINING

- ATV Certification (2022)
- RPAS Pilot Certification (2022)
- BICO – Search and Rescue Program (2022)
- Wetland Delineation Certification (2022)
- Electrofishing Certification (2021)
- Standard First Aid and WHMIS (2021)
- Stream Gauging Training from UBC (2019).
- Environmental Impact Assessment Certificate received from the Centre for Environmental Assessment Research at UBC (2019).
- Derailment Response - CP Railway (2018)
- Railway Safety Training (2018)

Environmental Assessment EverWind Point Tupper Green Hydrogen/Ammonia Project - Phase 1, NS, 2022 –

Environmental Scientist: Completed field studies and key reporting requirements for the submission of an EA Registration Document for a green ammonia/hydrogen facility located in Cape Breton, NS. This was the first green ammonia/hydrogen facility to be approved in both Nova Scotia and Canada.

Post-Approval Work, Various Wind Developments, 2023 – Environmental Scientist: On-going post-approval work for various wind projects (following approval of the EA Registration Document) including the development of environmental management and monitoring plans. These plans are developed to avoid/mitigate potential impacts to nearby environmental and residential receptors throughout the lifespan of the Project.

Wind Development Environmental Assessments, 2022-Present – Environmental Scientist: Providing project coordination and report writing on several 100 MW+ wind farms in Nova Scotia.

Environmental Assessment Registration and Environmental Protection Plan, NL, 2022 – Junior Environmental

Professional: Completed reporting requirements for the submission of an EA Registration Document and associated Environmental Protection Plan for a transmission line decommissioning project located in Newfoundland and Labrador.

Windsor Forks Wetland Compensation Project, NS, 2021-2022 – Junior Environmental Professional: Completed reporting requirements for the final year of wetland monitoring and assessment for a constructed wetland.

Watercourse Alteration Approval and Fish Surveys, NS, 2021 – Junior Environmental Professional: Conducted electrofishing / fish salvage for an emergency watercourse alteration along a section of railway. This involved the capture, identification, documentation, and release of fish from the impacted section of the watercourse.

Mahone Bay Well Installation and Monitoring, NS, 2021 – Junior Environmental Professional: Groundwater well installs were completed at a construction site in Mahone Bay, NS along with vegetation transects to characterize the sites environmental features.

Pirate Harbour Wind Farm Project, NS) 2021-Present – Junior Environmental Professional: Participated in field

Melford Atlantic Gateway Project, NS, 2020-Present – Junior Environmental Professional: Completed various reporting and background research requirements such as consultation documents, engagement record keeping, and the development of a wetland compensation plan.

Transmission Line, NS, 2020 – Environmental Technician: Participated in wetland and watercourse assessments, Wildlife surveys, and rare plant and lichen surveys, along the linear corridor spanning 100kms from the NS/NB border to Onslow, NS.

Shellfish Harvesting and the Persistent Threat of Sewage Pollution, NS, 2020 – MREM Tri-course project: Working in a multi-disciplinary team to assess the threat of sewage pollution on the shellfish industry of Nova Scotia, including the biophysical, socio-political, law and policy aspects of the greater issue of pollution in the near shore environment. This involved research into government programs, policies and regulations, as well as different stakeholders in the industry.

AREAS OF SPECIALIZATION

- Environmental Assessments
- Flora and Fauna Surveys
- Species at Risk Assessments
- Field Implementation
- Technical Review
- Project Management
- Project Design
- Staff Training

RELEVANT EXPERIENCE

Mr. MacDonald a Senior Project Manager and Terrestrial Lead. He has a strong terrestrial survey design and oversight background and extensive experience in avian and botanical studies. Mark provides survey design and oversees the drafting of terrestrial baseline reports and effects assessments for many projects. He has consulted regularly with provincial regulatory agencies, local landowners, and other stakeholder groups.

Mark is a versatile, conservation-focused ecologist with over 18 years in adaptive project management in challenging environments. He is a dedicated learner with a proven record of quickly developing new skills and an excellent writer for both a technical and general audience. He is diplomatic and capable when navigating differing values of multiple stakeholders.

REPRESENTATIVE PROJECTS AND ROLES

Environmental Baseline Surveys, NS, 2022-Present – Project Manager: Completion of environmental baseline surveys for multiple provincial environmental assessments for various wind power projects and quarries. This involves detailed desktop and constraints analyses to determine required field assessments, implementation of all field programs, interpretation and reporting of results, across multiple taxa and habitat types.

Environmental Assessment, Various Projects, 2022-Present – Project Manager: Lead terrestrial baseline reporting and environmental effects chapters for various mine, quarry, and wind projects, as well as other development projects across the maritime provinces (e.g., Walden Quarry Expansion, Six Mile Brook Quarry Expansion, Rhodena Wind Project, Wedgeport Wind Project, Caribou and Wood Islands Ferry Terminal Expansion Projects).

Botanical Surveys, NS, 2022-2024 – Project Manager: Planned and developed botanical survey programs, including species at risk and habitat assessments, for various mine, quarry, solar, and wind projects, as well as other development projects across the maritime provinces (e.g., Walden Quarry Expansion, Six Mile Brook Quarry Expansion, Shaw Sand Pit, Wedgeport Wind Project, Clydesdale Wind Project, Rhodena Wind Project, Wejipek Wind Project, Apitamkiejit Wind Project, Upper Afton Wind Project, New Prospect Wind Project, White Cedar Wind Project, Port Malcolm Solar Project, Caribou and Wood Islands Ferry Terminal Expansion Projects, Sungro Horticuture Peat Harvesting Projects, etc.).

Avian Survey Design and Completion, 2022-2024 – Project Manager: Planned and developed avian survey programs, including species at risk, coastal, migration, nocturnal owl surveys, breeding, and raptor/diurnal watch count surveys, for various mine, quarry, solar, and wind projects, as well as other development projects across the maritime provinces (e.g., Walden Quarry Expansion, Six Mile Brook Quarry Expansion, Shaw Sand Pit, Wedgeport Wind Project, Clydesdale Wind Project, Rhodena Wind Project, Wejipek Wind Project, Apitamkiejit Wind Project, Upper Afton Wind Project, New Prospect Wind Project, White Cedar Wind Project, Port Malcolm Solar Project, Caribou and Wood Islands Ferry Terminal Expansion Projects, Sungro Horticuture Peat Harvesting Projects, etc.).

EDUCATION

- Masters of Science in Forestry, University of New Brunswick, Fredericton, NB (2012)
- Bachelor of Science in Forestry (Major in Forest Management, Minor in Wildlife Ecology), University of New Brunswick, Fredericton, NB (2004)

TRAINING

- Emergency First Response & CPR (2022)
- Wilderness First Responder (2014)

AREAS OF SPECIALIZATION

- Environmental Assessment Practitioner
- Regulatory Engagement
- Indigenous Engagement
- Project Management
- Species At Risk
- Environmental Screening
- Environmental Approvals
- Wetland and Watercourse Assessments and Permitting

RELEVANT EXPERIENCE

Ms. Johnston oversees, manages, and executes regulatory and environmental projects. She is a member of NS Wetland Delineation, Maritime College of Forest Technology and holds a NS Advanced Wetlands Delineator and Evaluator certification. She provides project management for federal and provincial environmental assessment (EA) processes and is an experienced EA practitioner. Ms. Johnston manages and completes environmental baseline surveys including habitat surveys, species at risk and wildlife surveys, botany and bird surveys, wetland and watercourse delineations, characterizations, and functional assessment, fish habitat evaluation, harmful alteration, disruption, and destruction (HADD) authorizations, and bat hibernacula identification. Ms. Johnston also completes watershed evaluations, and guides clients through the environmental and permitting stages of mining, industrial, alternative energy, and development projects.

Ms. Johnston supports clients through provincial and federal environmental assessment requirements and supports project teams to identify and evaluate project environmental risk. She has completed multiple provincial environmental assessment registration documents in the past five years in NS and NL, two Initial Project Description (IPD) documents for the Impact Assessment Agency of Canada (IAAC) in 2025 in NS and was the project manager for the submission of a CEAA 2012 Environmental Impact Statement (EIS) for a mining project in NS in 2021 to IAAC. Ms. Johnston consults regularly with federal and provincial regulatory agencies, First Nation communities, and local landowners and stakeholder groups.

Ms. Johnston regularly completes applications for wetland and watercourse alteration and HADD authorizations across Atlantic Canada, and has developed and implemented wetland compensation programs, fish habitat offsetting projects, and wetland and fish habitat restoration projects. Ms. Johnston is a trained wetland evaluator, biologist, and restoration professional. Ms. Johnston regularly implements species at risk, habitat and biodiversity mitigation planning, permitting, monitoring plans, and offsetting programs.

REPRESENTATIVE PROJECTS AND ROLES

Environmental Assessment, Goldboro Gold Project, Goldboro, NS, 2017-Present – Project Director: As part of the Environmental Assessment Registration Document (EARD), Ms. Johnston, acting as project director, has overseen the completion of baseline wetland and watercourse delineation, fish habitat identification, rare plant, rare lichen, habitat and wildlife, avian, and species at risk surveys within a 1200 hectare Study Area in Goldboro NS. Strum was also responsible for the baseline and effects assessment reporting for all biophysical components of the EARD for this gold mining project. Following EA approval in 2022, Strum completed biophysical permitting requirements including the federal *Fisheries Act* Authorization Application, associated offsetting, wetland and watercourse permitting including

EDUCATION

- Masters in Environmental Studies, York University, Toronto, ON (1999)
- Bachelor of Science (Biology), Dalhousie University, Halifax, NS (1997)
- Bachelor of Arts (Political Science), Honours, Dalhousie University, Halifax, NS (1997)

TRAINING

- Standard First Aid, AED, CPR (C) (2023)
- Wetland Construction: Principles, Planning, and Design, Rutgers (2016)
- Wetland Functional Assessment Training Workshop, NSE (2013)
- Urban Wetland Restoration: A Watershed Approach (2012)
- Nova Scotia Advanced Wetlands Delineation and Evaluation Course (2009)
- Water Management and Wetland Restoration Training Course (2009)
- Identifying and Delineating Wetlands for Nova Scotia (2008)

wetland compensation, development of monitoring plans, the Metal and Diamond Mine Effluent Regulation (MDMER) Schedule 2 process for deposition of deleterious substance into a fisheries resource, and biodiversity offsetting.

Environmental Assessment, Antrim Gypsum Project, Antrim, NS, 2021-Present – Project Director: As part of the EARD, Ms. Johnston, acting as project director, has overseen the completion of baseline wetland and watercourse delineation, fish habitat identification, rare plant, rare lichen, habitat and wildlife, avian, and species at risk surveys within a 600 hectare Study Area in Antrim, NS. Strum was also responsible for the baseline and effects assessment reporting for all biophysical components of the EARD for this gypsum project. Following EA approval in 2024, Strum has commenced biophysical permitting requirements including the federal *Fisheries Act* offsetting plan, wetland permitting including wetland compensation and development of monitoring plans.

Environmental Assessment, Botwood Green Hydrogen Project, Botwood, NL, 2024-Present – Project Director: Ms. Johnston is the project director for the EA Registration for this 3.5 GW wind to green hydrogen and ammonia project (30,000 ha) in Central Newfoundland. The project includes over 500 wind turbines, a 150 MW solar farm, 900 km transmission and collection lines, 400 km access roads, industrial water withdrawal, and hydrogen and ammonia production plants with capacity of 1,000,000 tonnes of ammonia per year. Strum developed the relevant biophysical studies (avifauna, flora, terrestrial, aquatic, fish habitat, hydrology) that were required for the EA Registration, and implemented multiple years of the field monitoring programs. This included noise monitoring of several locations, the deployment of over 50 wildlife cameras, 80 fish habitat assessments, over 120 bird point count surveys, and water sampling at several locations. Strum submitted the EA Registration and is currently conducting the analysis of the data and compiling the EIS report in support of an EA approval.

Environmental Assessment, Gold Mining Projects (4), Eastern Shore, NS, 2014-Present – Senior Project Manager: Ms. Johnston has, and continues to support, the 15 Mile Minerals and Renewables Ltd. project team with their four mine locations in Nova Scotia since 2014. Strum has completed regulatory work and environmental permitting through all mining stages: local and regional exploration (planning and permitting support); pre-permitting baseline studies (wildlife, fish, species at risk, birds, wetlands, surface water) at Fifteen Mile and Cochrane Hill proposed mine locations; permitting (CEAA EIS Submission: Team and Regulatory Lead) for the Beaver Dam and Fifteen Mile projects; and permitting (provincial and federal), monitoring and offsetting (fish and wetlands) to support construction, operations, and decommissioning at the Touquoy Mine.

Wetland Compensation and Construction Support, Highway 104 Twinning, Dexter Nova Alliance, Antigonish County, NS, 2020-Present – Project Director: Ms. Johnston, acting as the project director, is responsible for the wetland compensation requirements, fisheries monitoring, and fish rescues for the twinning of NSPW Highway 104 in Antigonish County, NS. Ms. Johnston oversaw the site identification, design and construction of four wetland restoration projects over a three year period, with long term monitoring of these sites ongoing. Strum also completed pre-construction surveys for wood turtles, bats and nesting birds. Strum completed numerous fish rescues to support culvert and bridge installation and is also responsible for the design and implementation of the Fisheries Effectiveness Monitoring Program (FEMP) which is on-going.

Environmental Permitting, Black Point Quarry and Marine Terminal, Guysborough County, NS, 2023-Present – Senior Project Manager: Ms. Johnston is responsible for the *Fisheries Act* authorization permit submission (freshwater and marine) and associated offsetting plan and industrial approval, and wetland and watercourse permitting and associated wetland compensation for the Black Point Quarry and Marine Terminal, located in Guysborough County, NS.

Environmental Permitting, Route 332 NSPW, Fisheries Act Authorization and Wetland Permitting, Lunenburg County, NS, 2020-2022 – Project Director: Ms. Johnston was the project director for NSPW in 2020 to identify and assess impacts of the Route 332 Widening Project in Lunenburg County on freshwater and marine habitats. Strum submitted wetland alteration applications for impacts to both tidal and non-tidal wetlands, including implementation of associated wetland compensation. Freshwater and tidal fish habitat assessments resulted in the submission of a Request for Review (RfR) and eventual *Fisheries Act* Authorization application to Fisheries and Oceans Canada (DFO), and implementation of associated fish habitat offsetting.

PROFESSIONAL ASSOCIATIONS

- Alberta Society of Professional Biologists

AREAS OF SPECIALIZATION

- Wetland and Watercourse Assessment/Delineations
- Wildlife Surveys
- Radar Surveys
- Acoustic Recording Surveys
- Field Survey Design and GIS
- Data Management
- Technical Training
- Industrial Approvals
- Environmental Approvals

EDUCATION

- Bachelor of Science (Major – Biology, Minor – Management), Dalhousie University, Halifax, NS (2012)

TRAINING

- St. John Ambulance First Aid and CPR (2023)
- WHMIS (2023)
- Pleasure Craft/Boating License (2023)
- ATV/OHV Safety Certificate (2010)
- Rescue S.C.U.B.A. Diver Certification (2009)

RELEVANT EXPERIENCE

Mr. Doane has been in the environmental and biological professions since 2012, after completing a Bachelor's degree in biological sciences. He has managed projects, authored reports, developed methods, and patented an apparatus for controlled ecology. Mr. Doane has worked as a field biologist on projects throughout Atlantic Canada as well as in western Canada. He has conducted surveys including bird surveys, wildlife surveys, evaluation for Species at Risk, wetland functional assessment, wetland delineation, electrofishing, as well as radar and acoustic monitoring. Mr. Doane completes project management, designs and leads field programs, creates maps using ArcGIS, authors technical reports, writes environmental assessment reports, and submits environmental permitting.

REPRESENTATIVE PROJECTS AND ROLES

Proposal and Application Preparation, Winnifred Solar Project, AB, 2022-Present – Project Manager: Coordinated with client to complete successful proposals. Coordinated with field team to provide budgets and work scopes. Verified field data and wrote regulatory applications for provincial wildlife department as well as utilities approvals.

Environmental Assessment, Various Projects, 2022-present – Project Manager: Completed terrestrial baseline reports and environmental effects chapters for various mine, quarry, and wind projects, as well as other development projects across the maritime provinces (e.g., Walden Quarry Expansion, Wedgeport Wind Project, Clydesdale Wind Project, Wejipek Wind Project, Blueberry Acres Wind Project).

Alberta Solar and Wind Farm Permitting, 2022-Present – Project Manager: Authored Alberta Parks and Environment Applications (AEPA) and Alberta Utilities Commission (AUC) Environmental Evaluations to support the permitting of eight proposed solar energy and two wind energy projects in Alberta. Applications included field-level project coordination, regulatory consultation, Conservation and Reclamation Plans, Environmental Protection Plans, and participation in public town halls and engagement sessions.

Avian and Bat Acoustic Monitoring, Wedgeport Wind Farm, NS, 2022-2023 – Project Coordinator: Coordinated the deployment, collection, analysis, and reporting for avian and bat acoustic programs. Deployed, maintained, and assisted in the reporting of avian radar program. Conducted avian field surveys, identifying birds by sight and sound throughout the project area. Conducted wetland and watercourse delineations and characterizations through proposed infrastructure areas with the project area.

Lynx Surveys, Rhodena Wind Project, NS, 2023 – Project Coordinator: Developed, planned, and conducted lynx surveys for the Rhodena Wind Project. Created GIS map models to predict lynx habitat and designed surveys to capture high probability area within the project area.

Wildlife and Fish and Habitat Surveys, 2022-2023 – Project Coordinator: Conducted avifauna surveys: nest sweeps, nocturnal owl surveys, diurnal raptor surveys, nightjar surveys, species at risk surveys, spring/fall migration surveys, and breeding bird surveys. Conducted fauna surveys (e.g., species at risk, turtle surveys, moose surveys, PGI, and wildlife track surveys). Conducted watercourse assessments and wetland monitoring. Conducted fish and fish habitat assessments including electrofishing, fish collection, and fish rescues during construction. Completion of watercourse and wetland boundary determination and characterizations for regulatory wetland and watercourse alteration permitting. Conducted forest habitat assessments using the FEC guide. Surveys were completed for various mine, quarry, solar, and wind EA, and other small- or large-scale development projects across the maritime provinces.

AREAS OF SPECIALIZATION

- Data Management & Analysis
- Environmental Assessment
- Environmental Reporting
- Task Coordination & Management

RELEVANT EXPERIENCE

Ms. Nguyen joined the Strum team in 2023 as a Junior Environmental Scientist upon completing her coursework for her Resource and Environmental Management degree at Dalhousie University. While at Dalhousie, Ms. Nguyen engaged in a variety of interdisciplinary areas of natural resource management, including nature-based solutions, socio-ecological studies, and environmental impact assessment. Her diverse professional and academic experiences demonstrate strong adaptability to different fields and a wide breadth of skill sets.

EDUCATION

- Master of Resource and Environmental Management (MREM) - Dalhousie University, Halifax, NS (2023)
- Bachelor of Arts, Major in International Relations and Economics – Boston University (2021)

TRAINING

- UTV Certification – Canada Safety Council (2023)
- Workplace First Aid & CPR/AED – (2023)
- WHMIS (2023)
- Trailer training (2023)
- Bear Awareness (2023)
- Wetland Ecosystem Services Protocol for Atlantic Canada Training (2024)
- Wetland Delineation Training (2024)

During her graduate studies, Polly focused on improving her strengths in socio-ecological studies while fostering her interests in natural resources management and field-based assessment. She worked as a Knowledge Mobilization Assistant for the Natural Sciences and Engineering Research Council (NSERC) – ResNet organization where she participated in researching and drafting policy briefs on climate sustainability and resiliency within the landscape of the Bay of Fundy dykelands. She engaged in various academic opportunities to build upon her experiences in natural resource management and assessment, such as drafting a policy commentary on the lack of diverse socio-economic factors within the environmental impact assessment and collaborating with multidisciplinary teams to contribute to local issues. As a culmination of her strengths and interests, Polly researched on the interconnected relationship between intersectionality and mental health in influencing environmental participation in the climate movement within Nova Scotia for her final MREM Research Project.

To further build her field-based experiences, Polly worked as a teaching assistant for introductory and advanced environmental science courses, including Field Methods in Environmental Science where Polly led field programs and guided university students with scientific field notes and report writing. Polly also completed an intensive field course during her Master's degree where she conducted forestry composition surveys, CABIN protocols, avian surveys, benthic invertebrates surveys, herpetofauna surveys, nocturnal invertebrates surveys, data analysis, and report writing. Alongside her MREM internship with NSERC ResNet, Polly collaborated with natural sciences scholars on the completion of a decadal review of natural resources and social sciences for the International Association for Society and Natural Resources (IASNR) where she liaised with editors on chapters completion and compiled qualitative data on trends within social and natural resources for the introductory chapter. Through these experiences, Polly has gained experience in adapting her skills to a diverse range of experiences and further improving her skill sets.

Polly is active in conducting environmental assessments, wetland delineations, watercourse assessments, old-growth forest surveys, avian surveys, and other ecological studies. She has experience in utilization of specialized monitoring equipment and data analysis, such as avian acoustic monitor, trail cameras, and ambient noise monitors. She is knowledgeable with provincial and federal regulations and works closely with senior staff and field leads in conducting significant fieldwork and preparing reports.

REPRESENTATIVE PROJECTS AND ROLES

Wind Power Environmental Assessments, NS, 2023-Present – Environmental Scientist: Conduct field work on several 100 MW+ wind farms in Nova Scotia, including wetland, watercourse, fish and fish habitat, old-growth, avian, avian radar, bat, wildlife, flora, and lichen surveys. Prepared, reviewed, and organized field data using several methods of collection. Inventoried and configured specialized monitoring gears, such as trail cameras and acoustic monitors, and regularly performed maintenance checks. Prepared EA related documents, including methodologies, effects assessments, and desktop reviews.

Radar and Acoustic Assessment, NS, 2023-Present – Environmental Scientist: Conduct radar analysis on a specialized program to collect avifauna presence on project sites. Conducted quantitative analysis on processed radar and acoustic data to support technical reports on avifauna presence and remote sensing. Lead report coordination and completion of these technical reports for wind projects and other relevant projects.

Post-Approval Works, NS, 2023-Present – Junior Environmental Scientist: Conduct data compilation and reports for various wind farm projects, such as Goose Harbour Lake Wind Farm, Mersey Wind Farm, and Weavers Wind Farm, to fulfill post-approval conditions, such as the creation of Wildlife Management Plans, Contingency Plans, Baseline Noise Monitoring, and Watercourse Alteration applications.

Environmental Noise Measurement, NS, 2023-Present – Junior Environmental Scientist: Configure noise monitors with correct data collection settings prior to field deployment. Initiated noise monitoring deployment for various projects, including the Mersey Wind Farm Project and EverWind Point Tupper Green Hydrogen/Ammonia Project, and compiled data for data analysis and completion of noise monitoring plans. Initiated proposals for baseline noise monitoring programs with appropriate field schedules, required equipment, and budget calculations. Complete a standard operating procedure for deployment procedures, data analysis, and report compilation.

Avian Surveys, NS, 2023-Present – Junior Environmental Scientist: Conducted diurnal watch counts, breeding bird surveys and nightjar surveys for various wind projects, including Mersey Wind Farm Project and Goose Harbour Lake Wind Farm Project.

Orbital Marine Tidal Project, NS, 2023 – Junior Environmental Scientist: Completed desktop reviews and analysis on ambient noise and environmental effects of tidal turbines on marine species within the Minas Passage of the Bay of Fundy. Helped completed a supplemental information report to be sent to relevant regulatory agencies.

Urban Nature and Infrastructure in the Face of Increasing Storm Events 2022 – MREM Tri-course Project: Worked on a multi-disciplinary team to address the biophysical, environmental law and policy, and sociopolitical challenges of urban planning and the incorporation of urban nature in the face of increasing severe storms in Nova Scotia. This involved research into the interconnected relationship between urban trees and utility infrastructure, relevant regulatory bodies and policies, and recommendations into establishing nature-based solutions and smart urban forest management within HRM and the province.

AREAS OF SPECIALIZATION

- Fish and Fish Habitat
- Fish Rescue
- Wetland Delineation
- Environmental Monitoring
- Freshwater Mussels

RELEVANT EXPERIENCE

Ms. Cameron entered the environmental consulting profession in 2022. She is diligently working to broaden her professional field skills and familiarizing herself with various aspects of professional field biology and environmental sciences. Ms. Cameron has worked on projects related to field surveys, and education and outreach in Nova Scotia and Prince Edward Island.

Ms. Cameron has been involved in watercourse and wetland delineation, fish and fish habitat assessments, fish rescues and electrofishing, water quality monitoring, wildlife surveys, construction monitoring, and various types of environmental report writing. Before joining Strum, Reilly completed her co-op with Mi'kmaq Conservation Group (MCG) where she conducted extensive surveys assessing the distribution and population of freshwater mussels (focusing on brook floater) throughout the St. Mary's watershed.

REPRESENTATIVE PROJECTS AND ROLES

Shoreline Assessment, Fishermans Harbour, NS, 2024 – Field Lead: Acted as a field lead for a shoreline assessment to prevent erosion during large storm events. Scope of work supported the Fisheries Act authorization (FAA).

Environmental Assessment, Trafalgar, NS, 2024 – Field Technician: Acted as a field technician for a provincial gold mine Environmental Assessment in Trafalgar, NS. The scope of work included fish collection, water quality sampling, moose surveys, flow monitoring, and detailed fish habitat assessment. Submission of a baseline report was completed in 2024.

Environmental Assessment, Cook Brook, NS, 2023 – Technician: Acted as a technician for a biophysical and provincial gypsum mine Environmental Assessment. The scope of work included habitat assessment, wetland delineation, fish collection and supplementary eDNA sampling. Ms. Cameron supported the submission of the biophysical in 2023.

Environmental Assessment, Pictou, NS, 2023 – Field Technician: Acted as field technician for a provincial wind farm EA. The scope of work included wetland delineation and moose surveys.

Highway Twinning Project, Glasgow to Antigonish, NS, 2022 – Field Technician: Acted as a field technician for a highway twinning project along Highway 104 from New Glasgow to Antigonish. The scope of work included completing various sized fish rescues, detailed fish habitat assessment, and turtle surveys.

Environmental Assessment, Goldboro, NS, 2023 – Field Technician: Completed field work for a provincial gold mine Environmental Assessment, in Goldboro, NS. The scope of work included detailed habitat assessment and installation of long-term monitoring wells.

Environmental Monitoring, Pickle Lake, ON, 2023 – Environmental Monitor: Acted as an environmental monitor for a 1300 km transmission line project. Completed regulatory advising, spill response, erosion/sediment control, wildlife monitoring, water quality monitoring and reporting on construction activity.

EDUCATION

- Bachelor of Science (Environmental Sciences), Saint Mary's University, Halifax, NS (2020)

TRAINING

- Intermediate Workplace First Aid Level C CPR & AED (2023)
- WHMIS Certificate (2023)
- Wetland Ecosystem Services Training (2022)
- Backpack Electrofishing Certificate (2020)
- Pleasure Craft Operator (2020)

AREAS OF SPECIALIZATION

- Environmental Assessment
- Data Management & Analysis
- Environmental Reporting
- Field Program Planning and Survey Design

RELEVANT EXPERIENCE

Renee MacQuarrie joined the Strum team in 2023 as a Junior Environmental Scientist upon graduating from Dalhousie University's Bachelor of Environmental Science program. Between her studies at Dalhousie, Renee worked for a number of environmental Non-Profit Organizations throughout Nova Scotia, focusing on Species-at-Risk Conservation. She has a strong skill set in many areas of environment field work, data analysis, and report writing.

During her undergraduate studies, Renee worked on the Species-at-Risk team at the Unama'ki Institute of Natural Resources, where she monitored Wood Turtle Populations, conducted bumble bee research, and assisted with surveying efforts for birds and bats. She later worked as a Field Technician for Birds Canada, conducting surveying and nest monitoring for Chimney Swifts and Bank Swallows. She has also worked as a Research Assistant for Cape Breton Environmental Association, where she focused on marine debris and derelict fishing gear, and for Dalhousie University, where she used GIS software to assess access to green space on school grounds across Canada. Renee is an avid birder and naturalist with strong identification skills across a wide range of taxa.

Since joining Strum, Renee has focused primarily on avian field surveys, avian acoustic analysis, and rare plant surveys. She also holds strong skills in old growth forest assessment, wetland and watercourse assessment, winter tracking, and various other biological survey methods. She has worked on a wide range of different projects including wind energy, transmission lines, green hydrogen/ammonia, solar energy, mining, and housing development.

REPRESENTATIVE PROJECTS AND ROLES

Wind Power Environmental Assessments, NS, 2023-Present – Environmental Scientist: Conducts field work, data analysis, and reporting on several 100 MW+ wind farms in Nova Scotia. Field work includes avian surveying, wetland and watercourse assessment, rare plant and lichen surveying, old-growth assessment, winter tracking, pellet group inventory (PGI), and field equipment deployment and maintenance. Completion of desktop review, survey planning, data analysis, budgeting, and writing for Environmental Assessments and other technical reports.

Avian Field Surveys, NS, 2023-Present – Environmental Scientist: Conducts point count surveys for breeding birds, spring/fall migrants, and winter residents, area searches, diurnal watch surveys, nightjar surveys, and owl surveys for various projects, including the Goose Harbour Lake Wind Farm Project, Weavers Mountain Wind Energy Project, Ellershous Wind Farm Project, EverWind Point Tupper Green Hydrogen/Ammonia Project, and Black Point Quarry Project. Assists with desktop review, scoping, and survey design for avian field programs.

Avian Acoustics Program, NS, 2023-Present – Environmental Scientist: Conducts avian acoustic analysis using a variety of specialized software programs to assess avifauna presence on project sites. Conducts manual listening of acoustic monitor data. Preparation of related technical reports and Environmental Assessment report sections.

Rare Plant Surveys, NS, 2023-Present – Environmental Scientist: Conducts plant surveys focused on the identification of Species at Risk and/or Species of Conservation Interest. Keeps a full inventory of all plant species encountered during surveys. Assists with lichen survey efforts.

EDUCATION

- Bachelor of Science, Major in Environmental Science – Dalhousie University (2022)

TRAINING

- Wetland Ecosystem Services Protocol for Atlantic Canada Training (2024)
- Wetland Delineation Training (2024)
- UTV Certification – Canada Safety Council (2023)
- Workplace First Aid & CPR/AED – (2023)
- WHMIS (2023)
- Trailer training (2023)
- Bear Aware Training (2023)

AREAS OF SPECIALIZATION

- Geographic Information Systems (GIS)
- Field Studies
- Avian Radar Analysis
- Wind Turbine Risk Assessment (Shadow Flicker, Noise Modelling & Visual Simulations)

RELEVANT EXPERIENCE

Mr. Johnson first joined Strum in 2021 as an Environmental Field Technician working in our Environmental Science Group. His area of speciality is in Geographic Information Systems and Remote Sensing. He has extensive experience in data collection in the field, installation of monitoring equipment such as groundwater wells, bird and bat monitoring systems, and working with avian radar datasets and wind turbine analysis software. He is responsible for producing concise and accurate mapping products and incorporating them into the environmental assessment.

More recently, Mr. Johnson has been responsible for the predictive modelling of multiple wind farm projects around the province. This includes the shadow flicker and noise assessment impact on receptors in nearby communities, and photo-simulations visualizing turbines in each study area.

REPRESENTATIVE PROJECTS AND ROLES

Wind Farm Projects, NS, 2021-Present – Geomatics Technician: Responsible for the collection of field data, analysis, and production of accurate GIS mapping products to be used in the reporting process. Avian radar systems were installed and used in various locations of the study area for the purpose of tracking bird activity. Detailed wind turbine risk assessment was conducted for the study area, including noise level and shadow flicker assessments, and photo-simulations visualizing turbines in each potential location.

Transmission Line Moose Tracking Surveys, NS, 2022 – Geomatics Technician: Participated in field assessments for winter wildlife, with a focus on mainland moose and other species at risk. This involved walking predetermined transects through various habitats to identify and document evidence of wildlife such as tracks, scat, and browsing. Additionally, responsible for the post-processing of field data and production of accurate GIS mapping products to be used in the reporting process.

Various Wetland and Watercourse Delineation Projects, NS, 2021 – Present - Geomatics Technician: Responsible for the post-processing of field data and production of accurate GIS mapping products to be used in the reporting process.

EDUCATION

- Centre of Geographic Sciences (COGS), Lawrencetown, Nova Scotia Advanced Diploma in Geographic Information Systems (2020)
- Saint Mary's University, Halifax, Nova Scotia Bachelor of Science Degree (BSc) (2017), major in Geography

TRAINING

- Canadian Drone Pilot Certificate (Basic)
- WHMIS
- ATV Training Course

AREAS OF SPECIALIZATION

- Geographic Information Systems (GIS)
- Location, Spatial, and Data Analytics
- Database Management
- Geoprocessing, Model Building
- Civic Addressing

COMPUTER EXPERIENCE

- GIS Software: ArcGIS Suite, QGIS
- Other Software: CorelDRAW X7
- Scripting: SQL, Python 2 & 3

RELEVANT EXPERIENCE

Ms. Wallace is a GIS Technician working in the Environmental Assessments and Approvals group. She joined the team in early 2023 and has been helping the GIS team with data analysis and creating mapping products for environmental assessments and other projects.

Ms. Wallace received her Bachelor of Science with Honours in Geology at Saint Mary's University in 2019. While studying at Saint Mary's, Ms. Wallace was a research assistant, and was able to use a variety of tools to aid in the analysis of minerals and in their identification process. Ms. Wallace then went on to receive an Advanced Diploma in Geographic Information Systems at the Centre of Geographic Sciences in 2020.

Before joining Strum, Ms. Wallace worked for the Province of Nova Scotia as part of the Civic Addressing team, where she was able to continue to use GIS and was involved in the emergency management operations during Hurricane Fiona where she analysed data and created a dashboard to help the team with their planning going forward.

REPRESENTATIVE PROJECTS AND ROLES

Wind Farm Projects, NS, 2023 - Present - Geomatics Technician: Compiled and checked collected field data, performed geospatial data analysis, and completed numerous drawings as a visual aid in environmental assessments and other reports.

Detrital Mineral Provenance Analyses from the Cretaceous McMurray Formation, Alberta and the Holocene Portneuf River Delta, North Shore of Quebec (2021) – Research Assistant: Used a scanning electron microscope to determine mineral composition and to identify mineral assemblages in different offshore wells in the Scotian Basin. Supplementary graphs were created to aid in demonstrating mineral assemblages and chemical composition.

Sedimentary Petrology of the Upper Cree Member in the Cohasset A-52 Well, Scotian Basin, Offshore Nova Scotia (2020) – Research Assistant: Used a scanning electron microscope to determine mineral composition and to identify mineral assemblages in different offshore wells in the Scotian Basin. Supplementary graphs were created to aid in demonstrating mineral assemblages and chemical composition.

Electron Microprobe and Scanning Electron Microscope Mineral Analyses of Diagenetic Minerals from Lower Cretaceous Reservoir Sandstone, Scotian Basin, Offshore Nova Scotia (2019) – Research Assistant: Computer software was used to combine all backscattered electron images captured from a scanning electron microscope.

EDUCATION

- Advanced Diploma in Geographic Information Systems (GIS), Centre of Geographic Sciences (COGS), Lawrencetown, NS (2020) ‘
- Bachelor of Science with Honours, Major in Geology, Saint Mary's University, Halifax, NS (2019)

TRAINING

- Emergency First Aid CPR Level "C" & AED (2021)
- WHMIS (2023)
- Over 100 hours ESRI Academy Training (2019 – Present)

Detrital Petrology and Provenance of the Logan Canyon Formation Sandstones, Scotian Basin (2019) –

Research Assistant: Analyzed petrographic information from samples using a scanning electron microscope, where mineral composition was determined using Energy dispersive spectroscopy and identification was helped with backscattered electron images using texture and brightness as a guide. Heavy mineral separation and identification was used to determine mineral assemblages and understand origins.

AREAS OF SPECIALIZATION

- Project Management
- Team Building
- Geographic Information Systems (GIS)
- LiDAR and Remote Sensing
- Natural Resource Management
- Marine Hydrographic Surveys
- Clearance Surveys
- Marine Benthic and Water Sampling
- Underwater Video

COMPUTER EXPERIENCE

- Operating Systems: Windows, OSX, Linux
- Survey Software: HYPACK
- Seismic Software: SonarWiz, Coda
- GPS Software: Trimble Office, Waypoint GPS Processing, GravNav and GravNet
- GIS Software: ArcGIS, GRASS GIS, QGIS
- CAD Software: AutoCAD Civil 3D
- Image Processing: Surfer, CARIS HIPS and SIPS
- Misc. Software: Grapher, Microsoft Office, Global Mapper, SonarPro

EQUIPMENT EXPERIENCE

- GPS Equipment: Assorted Trimble and equipment for autonomous, differential, static, and RTK surveying (Pro XR, 4600, 4800, 5700/5800), Leica RTK, differential static and total stations
- Surveying Equipment: Knudsen BP320 echosounder, SSS Klein 595 and 3000, Teledyne Reson T20P multibeam, Teledyne Reson 7125 multibeam, Odom MB1 and MB2, Integrated Marine Acoustic Profiling System, Magnetometer, and various GPR equipment.
- Misc. Equipment: RBR XR620 CTD Probe and Tide Gauge, Eckman and Van Veen Grab Samplers, Underwater Camera, CNAV 0183 NMEA GPS receivers

RELEVANT EXPERIENCE

Mr. Savelle is the Group Manager of our Geomatics team and a GIS specialist with over 15 years' experience. Matt has extensive knowledge of digital modelling, visual renderings, and managing extensive data sets associated with large projects. Matt is skilled at producing graphical representations of this data for consumption by members of the public as well as regulatory reviewers. He has consulted regularly with provincial regulatory agencies and other stakeholder groups. Matt is a versatile, conservation-focused with over 15 years in adaptive project management in challenging environments. As Manager of the Geomatics Group, Matt oversees the efficient collection and organization of field data.

His area of speciality is in Marine Geomatics and conducting bathymetric and topographic surveys. He has extensive experience in surveying marine benthic surfaces and shorelines, obtaining overlapping hydrographic (multibeam, single beam and side scan sonar) data, data collection, positioning and navigation, data processing and compilation, plotting and reporting of results. Matt also has experience collecting conventional total station data, RTK and static GPS data, and has been responsible for project set up, establishing GPS control points, and boat mobilization.

EDUCATION

- Centre of Geographic Sciences (COGS), Lawrencetown, Nova Scotia Advanced Diploma in Marine Geomatics (2010)
- Saint Mary's University, Halifax, Nova Scotia Bachelor of Science Degree (BSc) (2009), major in Biology and Minor in Geography

TRAINING

- Marine Basic First Aid
- St. John Ambulance, Level A CPR
- St. John Ambulance, Canadian East Coast Offshore Fitness Certificate
- Med A1 Offshore Survival Systems,
- WHMIS

REPRESENTATIVE PROJECTS AND ROLES

EverWind Fuels Green Hydrogen Project, NS, 2022 - Present - Geomatics Specialist: Project work includes geospatial analysis, supporting external inquiries, and integrating environmental and socioeconomic factors into the assessments.

Wind Farm Projects, NS, 2022 - Present - Geomatics Specialist: Project work includes streamlining field data collection, developing in house habitat modelling, tracking applications, and performing geospatial data analysis.

Marine Survey for Offshore Oil & Gas Support Facilities, Sheet Harbour, NS, 2020 – Detailed marine surveys were conducted as part of the planning and permitting process for a marine facility used to support the offshore oil and gas industry. Bathymetric and multibeam sonar surveys were completed to provide a detailed bottom profile and water depths in areas of Sheet Harbour that will be used for large vessel movements. This information will be used to determine proper clearances for vessels and to determine if additional dredging is required. In addition to collecting this survey information, digital video was captured to document the types of marine habitat in the area to support applications for federal approvals.

Chedabucto Bay Marine Surveys for Aquaculture Facilities, NS, 2020 – As part of the detailed siting of marine aquaculture facilities, bathymetric and single beam sonar surveys were completed to provide a detailed bottom profile and water depths in multiple areas of Chedabucto. In addition to collecting this survey information, digital video was captured along predetermined transects to document marine habitats, and benthic sediment samples were collected with a Van Veen grab for analysis. Marine survey data was processed to generate detailed digital bottom profiles.

St. Marys Bay Marine Surveys for Aquaculture Facilities, NS, 2019-2020 – As part of the detailed siting of marine aquaculture facilities, bathymetric and single beam sonar surveys were completed to provide a detailed bottom profile and water depths in multiple areas of St. Marys Bay. In addition to collecting this survey information, digital video was captured along predetermined transects to document marine habitats, and benthic sediment samples were collected with a Van Veen grab for analysis. Marine survey data was processed to generate detailed digital bottom profiles.

Fundy Isles Cable Route Survey, 2018 – Completed multibeam, sidescan sonar acquisition, processing, and reporting for selecting a cable route from NB to Grand Manan. Reported on impacts to benthic habitat throughout the proposed cable route.

Lake Erie Connector Cable Route Survey, 2014 - Carried out multibeam, sidescan sonar, acquisition, processing, and reporting for selecting a cable route from Canada to USA. Reported on impacts to benthic habitat throughout the proposed cable route.

Canso Causeway Marine Geophysical Survey, 2013 - Carried out multibeam, sidescan sonar, acquisition, processing, and reporting for a stability of the causeway survey. Data was collected to ensure that no rock failures present in the causeway.

Country Harbour SOEP Pipeline Survey, 2011 - Carried out multibeam, sidescan sonar, magnetometer and singlebeam acquisition, processing, and reporting for a pipeline survey. Data was collected to ensure that no pipe was exposed.

Beaufort and Chukchi Sea Ice Scour Mapping Program, 2010-2018 - The primary objectives of the survey were to resurvey specific corridors across the Beaufort and Chukchi Shelf using high resolution geophysical instrumentation to identify and document new scour events. This included the collection of geophysical data such as side scan sonar, microprofiler, and sub-bottom data over various lines and survey sites

St. Clair River Geophysical Survey, 2010 - The objectives of the survey were to identify pipelines in the St. Clair River. Magnetometer and side scan sonar were deployed to search for buried pipe and to classify targets on the river floor. This survey was executed in order to establish safe drilling locations in the river. There were three sites that were surveyed in the St. Clair River. Two of the sites revealed pipelines beneath the river floor. The deliverables included a GIS database (ArcGIS) along with a final written report to the clients' specifications.

AREAS OF SPECIALIZATION

- Remote Sensing
- Geographic Information Systems (GIS)
- LiDAR
- Photogrammetry
- Location, spatial, and data analytics
- Geoprocessing, Model Building, and automation
- Database management
- Geomorphology
- Hydrologic Modelling

COMPUTER EXPERIENCE

- Operating Systems: Windows, macOS
- GPS Software: Garmin BaseCamp, Trimble Geospatial
- GIS Software: ArcGIS Suite, QGIS, Global Mapper
- Remote Sensing Data Processing: DJI Terra, ArcGIS Pro, Trimble Inpho, POSpac MMS, LAsTools
- Other Software: CorelDRAW X7
- Scripting: Python 2 & 3, SQL

EDUCATION

- Master of Science in Applied Geomatics, Acadia University, Wolfville, NS (2021)
- Advanced Diploma in Geographic Information Systems (GIS), Centre of Geographic Sciences (COGS), Lawrencetown, NS (2020)
- Bachelor of Science, Major in Geology Saint Mary's University, Halifax, NS (2019)

TRAINING

- Standard First Aid and WHMIS (2022)
- RPAS Pilot Certification (2021)
- Over 200 hours ESRI Academy Training (2019 – Present)

RELEVANT EXPERIENCE

Mr. Opra is a GIS Specialist with Strum working in our Environmental Assessments and Approvals group. Mr. Opra specializes in Geomatics analysis and automation. He has extensive experience in implementing workflows for data analysis and processing. This experience includes trajectory processing, processing single and dual channel LiDAR data, photogrammetry, and automation of geospatial data analysis with both vector and raster data. In addition, Mr. Opra is experienced in operating a RPAS for data collection.

During his graduate studies, Mr. Opra focused on the application of remote sensing technologies in exploration geology. He investigated LiDAR as an effective means to visualize topography and in further detail, geomorphological features such as folds and glacial structures. He explored the advantages of both RPAS and airplane-acquired LiDAR while reviewing various software for processing and analysis. Mr. Opra helped support the project's RPAS surveys in Trafalgar, Nova Scotia and processed the data to produce high resolution terrain models.

Prior to and following his research contribution, Mr. Opra worked in academia as an advisor, then in the industry as a Geospatial Data Analyst and as a Remote Sensing Analyst. In academia, he assisted with an Honours thesis in developing a geospatial model to automatically detect sinkholes based on LiDAR data. He also assisted in a Master's thesis by mapping legacy gold mine tailings, and developing a survey grid for sampling. As a geospatial data analyst, he helped create new data products using multispectral imagery for precision agriculture. Through working on various LiDAR and Photogrammetry projects based throughout the Caribbean, USA, and Canada, Mr. Opra was able to apply automation to photogrammetry procedures and LiDAR processing. His commitment to data quality assurance and control allowed him to develop a deeper understanding of how data is affected by environmental and human factors. His experience in both geology and environmental science allows him to have a strategic approach for geospatial analysis in environmental consulting.

Due to the multidisciplinary nature of Geomatics, Mr. Opra developed the ability to anticipate, identify, and solve diverse geospatial problems. Mr. Opra continues to research advancements in technology to build on and develop efficient procedures for data analysis and collection.

REPRESENTATIVE PROJECTS AND ROLES

Environmental Constraint Analysis, NB, NS, NL, 2023-Present – Remote Sensing Scientist: Land cover, landform, and hydro analysis for projects throughout the Maritimes. Using remotely sensed baseline data to create geospatial data products.

Hydrologic Modelling, NB, NS, NL, 2023-Present – Remote Sensing Scientist: Identifying stream networks and creating geospatial data products to guide project designs. Geospatial products that are created but are not limited to, Depth to Water, potential wetlands, potential watercourses, and catchment areas for various scale projects. High resolution remotely sensed data (e.g., LiDAR and Multispectral Imagery) is used to gain insights about complex hydrology.

EverWind Fuels Green Hydrogen Project, NS, 2022-Present – Geomatics Specialist: Spearheaded geospatial analysis, supported external inquiries, and integrated environmental and socioeconomic factors in the assessments.

Wind Farm Projects, NS, 2022-Present – Geomatics Specialist: Streamlining field data collection, developed in house habitat modelling, tracking applications, and performing geospatial data analysis.

Sinkhole Delineation Automation, NS, 2021-2022 – Advisor: Assisted in the development of a model within ArcGIS Pro for automating detection and delineation of sinkholes in the Karst prone areas.

LiDAR and Orthoimagery Data Production, Caribbean, USA, and Canada, 2021-2022 – Remote Sensing Analyst: Trajectory processing, LiDAR processing, automation, and creation of data products from inception to delivery.

Multispectral Vineyard Imagery Data Production, California, USA, 2020 – Geospatial Data Analyst: Assisted with the development of new proprietary geospatial products for precision agriculture.

Epiphytic Lichens as Spatial Biomonitors of Airbourne Mercury and Arsenic, 2019 – Research Intern: Used GPS to map historical mining sites, and designed survey grids for Lichen collection.

Provenance and Diagenesis of Sandstones in the Deep Wells Annapolis G-24, Balvenie B-79, Crimson F-81, Weymouth A-45, and Newburn H-23, Scotian Basin, offshore NS, 2017-2018 – Research Assistant: Creation of graphic models and diagrams using data captured by a scanning electron microscope (SEM) to further research efforts in understanding the geology of the Scotian Basin.

Petrography of Bedrock and Ice-rafted Granules, Flemish Cap, offshore Newfoundland and Labrador, 2017 – Research Assistant: Determining petrographic information of the samples using a scanning electron microscope (SEM). Energy dispersive spectroscopy (EDS) was used to determine mineral composition and backscattered electron images (BSE) where used to identify textures. Graphic design software was used to aggregate the images captured from the SEM.