

APPENDIX E – AVIAN SURVEY DATA

Results from Avian Surveys for the Evaluation of ASH01, ASH02 and ESBR01 can be seen below. Please see field sheets and maps following table for additional information including the location of the survey stations.

Date	Station	Habitat	Observation
June 2, 2009	F	ASH01	Ovenbird (1[<100m],1[>100m])
June 2, 2009	G	ESBR01	Brown Thrasher (1[<100m]); Clay-coloured Sparrow (1[<100m]); Field Sparrow (2[<100m])
June 2, 2009	H	ASH01	n/a
June 2, 2009	O	ASH02	n/a
June 15, 2009	O	ASH02	n/a
June 16, 2009	F	ASH01	Ovenbird (1[<100m],2[>100m])
June 16, 2009	G	ESBR01	Brown Thrasher (1[>100m]); Eastern Towhee (1[<100m]); Clay-coloured Sparrow (1[>100m]); Field Sparrow (1[<100m])
June 16, 2009	H	ASH01	Ovenbird (1[>100m])
June 25, 2009	O	ASH02	Red-breasted Nuthatch (1[<100m])
June 26, 2009	H	ASH01	n/a
June 26, 2009	F	ASH01	Ovenbird (2[<100m])
June 26, 2009	G	ESBR01	Field Sparrow (1[>100m])

Point Count Survey Form (Cont'd)

Project: Ernestown				Field Surveyor Initials: MB			
Air Temp. °C: 119 AM		Wind Speed ¹ : 1 AM		Wind Direction: SW AM		PM	

Station H	Station I	Station J
GPS Coord: _____ N _____ W	GPS Coord: _____ N _____ W	GPS Coord: _____ N _____ W
Date: June 26, 2009	Date: June 26, 2009	Date: June 26, 2009
Start Time (24hr): 6:39	Start Time (24hr): 7:11	Start Time (24hr): 5:47

Species Name	Station H		Station I		Station J		Species Name	Station H		Station I		Station J		
	<100m	>100m	<100m	>100m	<100m	>100m		<100m	>100m	<100m	>100m	<100m	>100m	
Killdeer							Common Yellowthroat		1	1			1	
Ring-billed Gull							Scarlet Tanager				1			
Rock Dove							Chipping Sparrow							
Mourning Dove							Savannah Sparrow							
Downy Woodpecker							Song Sparrow		1	1		1	1	
Northern Flicker							Swamp Sparrow							
Eastern Wood-Pewee						1	White-throated Sparrow							
Least Flycatcher							Northern Cardinal		1					
Eastern Phoebe							Rose-breasted Grosbeak				1	1	1	
Great Crested Flycatcher						1	Indigo Bunting				1			
Eastern Kingbird							Bobolink							
Warbling Vireo							Red-winged Blackbird							
Red-eyed Vireo				1			Eastern Meadowlark							
Blue Jay		1		1			Common Grackle				1		1	
American Crow							Brown-headed Cowbird							
Tree Swallow						1	Baltimore Oriole				1			
Barn Swallow							American Goldfinch							
Black-capped Chickadee							House Sparrow							
White-breasted Nuthatch							Additional species or species with > 1 Station H Point A Station I Point B Station J Point C							
House Wren						1	Species Name	Species Code	<100m	>100m	<100m	>100m	<100m	>100m
Veery							Red-tailed Hawk	RTHA				1		
Wood Thrush		1					Field Sparrow	FISA						1
American Robin		1		3										
Gray Catbird														
Brown Thrasher														
European Starling														
Cedar Waxwing		2												
Yellow Warbler						1								
Black-and-white Warbler														
American Redstart														
Ovenbird														
Northern Waterthrush														

¹Wind Codes (Beaufort Wind Scale)

Code	Wind Speed (km/h)	Description	Visual Cues
0	2	Calm	Smoke rises vertically
1	3	Light	Smoke drifts
2	8	Light Breeze	Leaves rustle
3	16	Gentle Breeze	Lighter branches sway
4	15	Moderate Breeze	Dust rises, branches move
5	33	Fresh Breeze	Small trees sway
6	45	Strong Breeze	Larger branches move

Bird Point Count Survey Form (South Central Ontario)



AET Group Inc.
531 Wellington St. North
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T (519) 576-9723
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Project: <u>Ernestown</u>				Field Surveyor Initials: <u>MB</u>			
Air Temp. °C: <u>14</u> AM		PM		Wind Speed ¹ : <u>1</u> AM		PM	
Wind Direction: <u>NW</u> AM				PM			

Station <input checked="" type="checkbox"/> O		Station <input checked="" type="checkbox"/> P		Station <input checked="" type="checkbox"/> Q	
GPS Coord: N		GPS Coord: N		GPS Coord: N	
W		W		W	
Date: <u>June 15, 2009</u>		Date: <u>June 15, 2009</u>		Date: <u>June 15, 2009</u>	
Start Time (24hr): <u>7:30</u>		Start Time (24hr): <u>7:07</u>		Start Time (24hr): <u>6:56</u>	

Species Name	Station <input checked="" type="checkbox"/> O		Station <input checked="" type="checkbox"/> P		Station <input checked="" type="checkbox"/> Q		Species Name	Station <input checked="" type="checkbox"/> O		Station <input checked="" type="checkbox"/> P		Station <input checked="" type="checkbox"/> Q	
	<100m	>100m	<100m	>100m	<100m	>100m		<100m	>100m	<100m	>100m	<100m	>100m
Killdeer							Common Yellowthroat			1			1
Ring-billed Gull							Scarlet Tanager						
Rock Dove							Chipping Sparrow		2				
Mourning Dove							Savannah Sparrow						
Downy Woodpecker							Song Sparrow		2		2		2
Northern Flicker							Swamp Sparrow						1
Eastern Wood-Pewee		1		1			White-throated Sparrow						
Least Flycatcher							Northern Cardinal						
Eastern Phoebe							Rose-breasted Grosbeak			1			1
Great Crested Flycatcher							Indigo Bunting		2				
Eastern Kingbird				2			Bobolink						
Warbling Vireo							Red-winged Blackbird			2			1
Red-eyed Vireo							Eastern Meadowlark						
Blue Jay							Common Grackle						1
American Crow							Brown-headed Cowbird						
Tree Swallow							Baltimore Oriole				1		
Barn Swallow							American Goldfinch						3
Black-capped Chickadee		1					House Sparrow						
White-breasted Nuthatch													
House Wren													
Veery													
Wood Thrush													
American Robin		1		2									
Gray Catbird				2									
Brown Thrasher		1											
European Starling													
Cedar Waxwing													
Yellow Warbler				2		2							
Black-and-white Warbler													
American Redstart													
Ovenbird													
Northern Waterthrush													

Additional species or species with > 100 individuals				
Species Name	Species Code	Station <input checked="" type="checkbox"/> O	Station <input checked="" type="checkbox"/> P	Station <input checked="" type="checkbox"/> Q
Eastern Towhee	EATO	1		
Alder Fly	ALFL			1
Clay-colored	CCSP			1

Point Count Survey Form (Cont'd)

Project: <u>Ernestown</u>				Field Surveyor Initials: <u>MBS</u>			
Air Temp. °C: <u>13</u> AM PM		Wind Speed ¹ : <u>0</u> AM PM		Wind Direction: <u>-</u> AM PM			

Station <u>D</u>	Station <u>E</u>	Station <u>F</u> <u>(F)</u>
GPS Coord: _____ N _____ W	GPS Coord: _____ N _____ W	GPS Coord: _____ N _____ W
Date: <u>June 16, 2009</u>	Date: <u>June 16, 2009</u>	Date: <u>June 16, 2009</u>
Start Time (24hr): <u>8:36</u>	Start Time (24hr): <u>8:07</u>	Start Time (24hr): <u>7:28</u>

Species Name	Station <u>D</u>		Station <u>E</u>		Station <u>F</u>		Species Name	Station <u>D</u>		Station <u>E</u>		Station <u>F</u>		
	<100m	>100m	<100m	>100m	<100m	>100m		<100m	>100m	<100m	>100m	<100m	>100m	
Killdeer							Common Yellowthroat							
Ring-billed Gull							Scarlet Tanager							
Rock Dove							Chipping Sparrow							
Mourning Dove							Savannah Sparrow							
Downy Woodpecker							Song Sparrow							
Northern Flicker							Swamp Sparrow							
Eastern Wood-Pewee							White-throated Sparrow							
Least Flycatcher							Northern Cardinal							
Eastern Phoebe							Rose-breasted Grosbeak							
Great Crested Flycatcher							Indigo Bunting							
Eastern Kingbird							Bobolink							
Warbling Vireo							Red-winged Blackbird							
Red-eyed Vireo							Eastern Meadowlark							
Blue Jay							Common Grackle							
American Crow							Brown-headed Cowbird							
Tree Swallow							Baltimore Oriole							
Barn Swallow							American Goldfinch							
Black-capped Chickadee							House Sparrow							
White-breasted Nuthatch							Additional species or species with > 1							
House Wren							Point A Point B Point C							
Veery							Species Name	Species Code	<100m	>100m	<100m	>100m	<100m	>100m
Wood Thrush							Red-tailed Hawk	R T H A	1		1	1		
American Robin							Wilson's Snipe	W I S N			1	1		
Gray Catbird							Alder Fly	A L F L			1	1		
Brown Thrasher							Purple Martin	P U M A	3					
European Starling														
Cedar Waxwing														
Yellow Warbler														
Black-and-white Warbler														
American Redstart														
Ovenbird														
Northern Waterthrush														

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Code	Wind Speed (km/h)	Description	Visual Cues
0	2	Calm	Smoke rises vertically
1	3	Light	Smoke drifts
2	8	Light Breeze	Leaves rustle
3	16	Gentle Breeze	Lighter branches sway
4	15	Moderate Breeze	Dust rises, branches move
5	33	Fresh Breeze	Small trees sway
6	45	Strong Breeze	Larger branches move

Point Count Survey Form (Cont'd)

Project: <u>Ernestown</u>				Field Surveyor Initials: <u>MB</u>			
Air Temp. °C: <u>13</u> AM PM		Wind Speed ¹ : <u>0</u> AM PM		Wind Direction: <u>-</u> AM PM			
Station <u>G</u>		Station <u>H</u>		Station <u>I</u>			
GPS Coord: _____ N _____ W		GPS Coord: _____ N _____ W		GPS Coord: _____ N _____ W			
Date: <u>June 16, 2009</u>		Date: <u>June 16, 2009</u>		Date: <u>June 16, 2009</u>			
Start Time (24hr): <u>7:48</u>		Start Time (24hr): <u>7:37</u>		Start Time (24hr): <u>7:15</u>			

Species Name	Station <u>G</u>		Station <u>H</u>		Station <u>I</u>	
	<100m	>100m	<100m	>100m	<100m	>100m
Killdeer						
Ring-billed Gull						
Rock Dove						
Mourning Dove			1			
Downy Woodpecker						
Northern Flicker						
Eastern Wood-Pewee			1		1	
Least Flycatcher						
Eastern Phoebe				4		
Great Crested Flycatcher						
Eastern Kingbird						
Warbling Vireo						
Red-eyed Vireo					2	
Blue Jay	1				1	
American Crow			1			
Tree Swallow						
Barn Swallow						
Black-capped Chickadee			1			
White-breasted Nuthatch						
House Wren						
Veery						
Wood Thrush		1				
American Robin						
Gray Catbird	1		1		1	
Brown Thrasher		1				
European Starling				3		
Cedar Waxwing						
Yellow Warbler	1					
Black-and-white Warbler						
American Redstart						
Ovenbird				1		
Northern Waterthrush						

Species Name	Station <u>G</u>		Station <u>H</u>		Station <u>I</u>	
	<100m	>100m	<100m	>100m	<100m	>100m
Common Yellowthroat				1	1	1
Scarlet Tanager						
Chipping Sparrow						
Savannah Sparrow						
Song Sparrow	1	1	1		1	2
Swamp Sparrow						
White-throated Sparrow						
Northern Cardinal						
Rose-breasted Grosbeak					1	1
Indigo Bunting						
Bobolink						
Red-winged Blackbird					1	
Eastern Meadowlark						
Common Grackle						
Brown-headed Cowbird					1	1
Baltimore Oriole						
American Goldfinch						
House Sparrow						

Species Name	Species Code	Station <u>G</u> Point A		Station <u>H</u> Point B		Station <u>I</u> Point C	
		<100m	>100m	<100m	>100m	<100m	>100m
Alder Fly	A L F L		1				
Nashville Warb	N A W A		1				
Eastern Towhee	E A T O		1				
Clay-colored sp	C C S P		1				
Field Sparrow	F I S P		1				1
Vesper sparrow	U E S P						

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3	16	Gentle Breeze	Lighter branches sway
4	15	Moderate Breeze	Dust rises, branches move
5	33	Fresh Breeze	Small trees sway
6	45	Strong Breeze	Larger branches move

Point Count Survey Form (Cont'd)

Project: Ernestown				Field Surveyor Initials: MB			
Air Temp. °C: 19 AM PM		Wind Speed ¹ : 1 AM PM		Wind Direction: S AM PM			
Station M		Station N		Station O			
GPS Coord: N		GPS Coord: N		GPS Coord: N			
Date: June 25, 2009		Date: June 25, 2009		Date: June 25, 2009			
Start Time (24hr): 8:51		Start Time (24hr): 7:13		Start Time (24hr): 6:49			

Species Name	Station M		Station N		Station O		Species Name	Station M		Station N		Station O		
	<100m	>100m	<100m	>100m	<100m	>100m		<100m	>100m	<100m	>100m	<100m	>100m	
Killdeer							Common Yellowthroat			1	1		1	
Ring-billed Gull							Scarlet Tanager							
Rock Dove							Chipping Sparrow							
Mourning Dove				1	1		Savannah Sparrow							
Downy Woodpecker							Song Sparrow	1	2	2			1	
Northern Flicker		1					Swamp Sparrow				1			
Eastern Wood-Pewee							White-throated Sparrow						1	
Least Flycatcher							Northern Cardinal							
Eastern Phoebe							Rose-breasted Grosbeak			1				
Great Crested Flycatcher							Indigo Bunting		1		1			
Eastern Kingbird							Bobolink							
Warbling Vireo							Red-winged Blackbird			2				
Red-eyed Vireo							Eastern Meadowlark							
Blue Jay							Common Grackle						1	
American Crow		1				1	Brown-headed Cowbird							
Tree Swallow							Baltimore Oriole							
Barn Swallow							American Goldfinch			2				
Black-capped Chickadee				2			House Sparrow							
White-breasted Nuthatch	1						Additional species or species with > 1 Station							
House Wren							Point A	Point B	Point C					
Veery							Species Name	Species Code	<100m	>100m	<100m	>100m	<100m	>100m
Wood Thrush				1		1	MALLARD	M A L C						3
American Robin	1	1	1		4		Alder Fly	A L F L						1
Gray Catbird	1				1		N. Rough-w. Sw	N R W S					1	
Brown Thrasher							Red-breast Nit	R B N W					1	
European Starling							E. Towhee	E A T O				1	2	
Cedar Waxwing			2				Field Sparrow	F I S P						1
Yellow Warbler														
Black-and-white Warbler														
American Redstart														
Ovenbird		1												
Northern Waterthrush														

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Ernestown - Avian Point Count locations

