



9. CONCLUSIONS

This report is intended to fulfill requirements for the Site Investigation Report under *Ontario Regulation 359/09*. Based on the results of the site investigations, this report identified the accuracy of the records review, the addition of any previously unidentified natural features, the boundaries of natural features located within 120 metres of the project location, and the distance of the natural feature from the project location (**Figures 5a-d to 16a-d**).

This site investigation report is the second report in a series that will fulfill the natural heritage assessment component of the REA process. Site investigations were carried out based on the results of a completed records review as well as consultation with the Ministry of Natural Resources. Applicable natural features identified as being within 120 metres of a project component will require an evaluation of significance based on information confirmed during the records review, site investigation and in consultation with appropriate agencies (*REA* Section 27). The natural features applicable to the Dufferin Wind Power Project are identified in **Table 14** and will be evaluated in the Evaluation of Significance Report.



Table 14: Identified Significant and Provincially Significant Natural Features within 120 m of the Project Location

Natural Feature ID	Feature in Relation to Project Location		Evaluation of Significance Status		
	Within	Within Prescribed Setback	Requires Evaluation	Previously Evaluated	Evaluation Not Required
PROVINCIAL PARKS AND CONSERVATION RESERVES					
None identified within project location or adjacent 120 metres.					
ANSI, LIFE SCIENCE					
Lavender Falls Life Science ANSI	---	✓	---	✓	---
ANSI, EARTH SCIENCE					
None identified within project location or adjacent 120 metres.					
VALLEYLANDS					
None identified within project location or adjacent 120 metres.					
WETLANDS					
1	---	✓	✓	---	---
2	---	✓	✓	---	---
3 (Part of non-PSW: Mud Lake Swamp)	---	✓	---	✓	✓
4 (Part of non-PSW: Mud Lake Swamp)	---	✓	---	✓	✓
5	---	✓	✓	---	---
6	---	✓	✓	---	---
7	---	✓	✓	---	---
8	---	✓	✓	---	---
9	---	✓	✓	---	---



Natural Feature ID	Feature in Relation to Project Location		Evaluation of Significance Status		
	Within	Within Prescribed Setback	Requires Evaluation	Previously Evaluated	Evaluation Not Required
10	---	✓	✓	---	---
12	---	✓	✓	---	---
13	---	✓	✓	---	---
16	---	✓	✓	---	---
17	---	✓	✓	---	---
18	---	✓	✓	---	---
19	---	✓	✓	---	---
20	---	✓	✓	---	---
21 (Part of PSW: Melanchthon Wetland Complex)	---	✓	---	✓	✓
22 (Part of PSW: Melanchthon Wetland Complex)	---	✓	---	✓	✓
23	---	✓	✓	---	---
24	---	✓	✓	---	---
26 (Part of PSW: Melanchthon Wetland Complex)	---	✓	---	✓	✓
27 (Part of PSW: Melanchthon Wetland Complex)	---	✓	---	✓	✓
28	---	✓	✓	---	---
29	---	✓	✓	---	---
30 (Part of PSW: Melanchthon Wetland Complex)	---	✓	---	✓	✓
31 (Part of PSW: Melanchthon Wetland Complex)	---	✓	---	✓	✓
32 (Part of PSW: Melanchthon Wetland Complex)	---	✓	---	✓	✓



Natural Feature ID	Feature in Relation to Project Location		Evaluation of Significance Status		
	Within	Within Prescribed Setback	Requires Evaluation	Previously Evaluated	Evaluation Not Required
33 (Part of PSW: Melanchthon Wetland Complex)	---	✓	---	✓	✓
34 (Part of PSW: Melanchthon Wetland Complex)	---	✓	---	✓	✓
35	---	✓	✓	---	---
36 (Part of PSW: Melanchthon Wetland Complex)	---	✓	---	✓	✓
37 (Part of PSW: Melanchthon Wetland Complex)	---	✓	---	✓	✓
38 (Part of PSW: Melanchthon Wetland Complex)	---	✓	---	✓	✓
39 (Part of PSW: Melanchthon Wetland Complex)	---	✓	---	✓	✓
40 (Part of PSW: Melanchthon Wetland Complex)	---	✓	---	✓	✓
41	---	✓	✓	---	---
42	---	✓	✓	---	---
43 (Part of non-PSW: Canadian Pacific Swamp)	✓	✓	---	✓	✓
44 (Part of non-PSW: Canadian Pacific Swamp)	✓	✓	---	✓	✓
45	---	✓	✓	---	---
46	---	✓	✓	---	---
47	---	✓	✓	---	---
48	---	✓	✓	---	---
49 (Part of non-PSW: Willow Brook Swamp)	✓	✓	---	✓	✓
50 (Part of non-PSW: Willow Brook Swamp)	✓	✓	---	✓	✓
51	---	✓	✓	---	---
52	---	✓	✓	---	---



Natural Feature ID	Feature in Relation to Project Location		Evaluation of Significance Status		
	Within	Within Prescribed Setback	Requires Evaluation	Previously Evaluated	Evaluation Not Required
53	---	✓	✓	---	---
54	---	✓	✓	---	---
55	---	✓	✓	---	---
56	---	✓	✓	---	---
57	---	✓	✓	---	---
58	---	✓	✓	---	---
59	---	✓	✓	---	---
60	---	✓	✓	---	---
61	---	✓	✓	---	---
62 (Part of non-PSW: Crombies Wetland Complex)	✓	✓	---	✓	✓
63 (Part of non-PSW: Crombies Wetland Complex)	✓	✓	---	✓	✓
64 (Part of PSW: Whittington Wetland Complex)	---	✓	---	✓	✓
65	---	✓	✓	---	---
66	---	✓	✓	---	---
67 (Part of PSW: Whittington Wetland Complex)	---	✓	---	✓	✓
68	---	✓	✓	---	---
69 (Part of PSW: Whittington Wetland Complex)	---	✓	---	✓	✓
70 (Part of PSW: Whittington Wetland Complex)	---	✓	---	✓	✓
71	---	✓	✓	---	---
72	---	✓	✓	---	---



Natural Feature ID	Feature in Relation to Project Location		Evaluation of Significance Status		
	Within	Within Prescribed Setback	Requires Evaluation	Previously Evaluated	Evaluation Not Required
73	---	✓	✓	---	---
74 (Part of PSW: Laurel Complex)	---	✓	---	✓	✓
75 (Part of PSW: Laurel Complex)	---	✓	---	✓	✓
76 (Part of non-PSW: Farmington Swamp)	✓	✓	---	✓	✓
77 (Part of non-PSW: Farmington Swamp)	✓	✓	---	✓	✓
78 (Part of non-PSW: Farmington Swamp)	✓	✓	---	✓	✓
79 (Part of non-PSW: Farmington Swamp)	✓	✓	---	✓	✓
80 (Part of non-PSW: Farmington Swamp)	✓	✓	---	✓	✓
81	---	✓	✓	---	---
82	---	✓	✓	---	---
85	---	✓	✓	---	---
86	---	✓	✓	---	---
87	---	✓	✓	---	---
88	---	✓	✓	---	---
89	---	✓	✓	---	---
90	---	✓	✓	---	---
91	---	✓	✓	---	---
92	---	✓	✓	---	---
93	---	✓	✓	---	---
94	---	✓	✓	---	---



Natural Feature ID	Feature in Relation to Project Location		Evaluation of Significance Status		
	Within	Within Prescribed Setback	Requires Evaluation	Previously Evaluated	Evaluation Not Required
95	---	✓	✓	---	---
97	---	✓	✓	---	---
99	---	✓	✓	---	---
100	---	✓	✓	---	---
101	---	✓	✓	---	---
WOODLANDS					
A	---	✓	✓	---	---
B	---	✓	✓	---	---
C	---	✓	✓	---	---
D	---	✓	✓	---	---
E	---	✓	✓	---	---
F	✓	✓	✓	---	---
G	---	✓	✓	---	---
H	---	✓	✓	---	---
I	✓	✓	✓	---	---
J	---	✓	✓	---	---
K	---	✓	✓	---	---
P	✓	✓	✓	---	---
Q	---	✓	✓	---	---
S	✓	✓	✓	---	---



Natural Feature ID	Feature in Relation to Project Location		Evaluation of Significance Status		
	Within	Within Prescribed Setback	Requires Evaluation	Previously Evaluated	Evaluation Not Required
T	---	✓	✓	---	---
W	---	✓	✓	---	---
Y	---	✓	✓	---	---
Z	---	✓	✓	---	---
AC	✓	✓	✓	---	---
AH	✓	✓	✓	---	---
AI	---	✓	✓	---	---
AJ	✓	✓	✓	---	---
AK	✓	✓	✓	---	---
AL	✓	✓	✓	---	---
AN	✓	✓	✓	---	---
AP	---	✓	✓	---	---
AQ	✓	✓	✓	---	---
AS	✓	✓	✓	---	---
AT	✓	✓	✓	---	---
AU	✓	✓	✓	---	---
AV	✓	✓	✓	---	---
AW	✓	✓	✓	---	---
AX	---	✓	✓	---	---
AZ	---	✓	✓	---	---



Natural Feature ID	Feature in Relation to Project Location		Evaluation of Significance Status		
	Within	Within Prescribed Setback	Requires Evaluation	Previously Evaluated	Evaluation Not Required
BA	✓	✓	✓	---	---
BB	✓	✓	✓	---	---
BC	---	✓	✓	---	---
BD	✓	✓	✓	---	---
BE	✓	✓	✓	---	---
BF	---	✓	✓	---	---
BG	✓	✓	✓	---	---
BH	✓	✓	✓	---	---
BI	---	✓	✓	---	---
BJ	---	✓	✓	---	---
BL	---	✓	✓	---	---
BM	✓	✓	✓	---	---
BN	✓	✓	✓	---	---
BO	---	✓	✓	---	---
BP	---	✓	✓	---	---
BQ	---	✓	✓	---	---
BR	---	✓	✓	---	---
BS	---	✓	✓	---	---
BT	---	✓	✓	---	---
BV	✓	✓	✓	---	---



Natural Feature ID	Feature in Relation to Project Location		Evaluation of Significance Status		
	Within	Within Prescribed Setback	Requires Evaluation	Previously Evaluated	Evaluation Not Required
BW	✓	✓	✓	---	---
BX	✓	✓	✓	---	---
BZ	---	✓	✓	---	---
CA	---	✓	✓	---	---
CB	---	✓	✓	---	---
CC	---	✓	✓	---	---
CD	---	✓	✓	---	---
CE	✓	✓	✓	---	---
CF	---	✓	✓	---	---
CI	✓	✓	✓	---	---
CJ	✓	✓	✓	---	---
CK	---	✓	✓	---	---
CL	---	✓	✓	---	---
CM	---	✓	✓	---	---
CN	✓	✓	✓	---	---
CO	✓	✓	✓	---	---
CP	✓	✓	✓	---	---
CR	✓	✓	✓	---	---
CS	✓	✓	✓	---	---
CT	✓	✓	✓	---	---



Natural Feature ID	Feature in Relation to Project Location		Evaluation of Significance Status		
	Within	Within Prescribed Setback	Requires Evaluation	Previously Evaluated	Evaluation Not Required
CV	✓	✓	✓	---	---
CANDIDATE WILDLIFE HABITAT					
<i>Seasonal Concentration Areas</i>					
Colonial Bird Nesting Habitat: CNH 1	✓	✓	✓	---	---
Colonial Bird Nesting Habitat: CNH 2	✓	✓	✓	---	---
Colonial Bird Nesting Habitat: CNH 6	✓	✓	✓	---	---
Colonial Bird Nesting Habitat: CNH 7	✓	✓	✓	---	---
Colonial Bird Nesting Habitat: CNH 12	✓	✓	✓	---	---
Raptor Winter Feeding and Roosting Area: RW 6	✓	✓	✓	---	---
Raptor Winter Feeding and Roosting Area: RW 13	✓	✓	✓	---	---
Bat Maternal Roost Colonies: BMRC 1	---	✓	✓	---	---
Bat Maternal Roost Colonies: BMRC 2	---	✓	✓	---	---
Bat Maternal Roost Colonies: BMRC 4	---	✓	✓	---	---
<i>Rare Vegetation Communities</i>					
None identified within the project location or 120 metre setback					
<i>Specialised Wildlife Habitat</i>					
Waterfowl Nesting Habitat: WNH 1	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 2	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 3	✓	✓	✓	---	---



Natural Feature ID	Feature in Relation to Project Location		Evaluation of Significance Status		
	Within	Within Prescribed Setback	Requires Evaluation	Previously Evaluated	Evaluation Not Required
Waterfowl Nesting Habitat: WNH 4	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 5	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 6	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 7	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 8	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 9	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 10	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 11	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 12	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 13	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 14	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 15	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 16	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 17	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 18	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 19	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 20	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 21	✓	✓	✓	---	---



Natural Feature ID	Feature in Relation to Project Location		Evaluation of Significance Status		
	Within	Within Prescribed Setback	Requires Evaluation	Previously Evaluated	Evaluation Not Required
Waterfowl Nesting Habitat: WNH 22	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 23	✓	✓	✓	---	---
Waterfowl Nesting Habitat: WNH 24	✓	✓	✓	---	---
Woodland Area-sensitive Forest Breeding Bird Habitat: IFB 3	✓	✓	✓	---	---
Woodland Area-sensitive Forest Breeding Bird Habitat: IFB 8	---	✓	✓	---	---
Woodland Area-sensitive Forest Breeding Bird Habitat: IFB 9	✓	✓	✓	---	---
Open Country Breeding Bird Habitat: OCBB 4	✓	✓	✓	---	---
Open Country Breeding Bird Habitat: OCBB 5	✓	✓	✓	---	---
Open Country Breeding Bird Habitat: OCBB11	✓	✓	✓	---	---
Amphibian Breeding Habitat (woodland): ABH 1	---	✓	✓	---	---
Amphibian Breeding Habitat (woodland): ABH 2	---	✓	✓	---	---
Amphibian Breeding Habitat (woodland): ABH 3	---	✓	✓	---	---
Amphibian Breeding Habitat (woodland): ABH 4	---	✓	✓	---	---
Amphibian Breeding Habitat (woodland): ABH 5	---	✓	✓	---	---
Amphibian Breeding Habitat (woodland): ABH 9	---	✓	✓	---	---
Amphibian Breeding Habitat (woodland): ABH 11	---	✓	✓	---	---
Amphibian Breeding Habitat (woodland): ABH 12	---	✓	✓	---	---
Amphibian Breeding Habitat (woodland): ABH 16	---	✓	✓	---	---



Natural Feature ID	Feature in Relation to Project Location		Evaluation of Significance Status		
	Within	Within Prescribed Setback	Requires Evaluation	Previously Evaluated	Evaluation Not Required
Amphibian Breeding Habitat (woodland): ABH 17	---	✓	✓	---	---
Amphibian Breeding Habitat (woodland): ABH 18	---	✓	✓	---	---
Amphibian Breeding Habitat (woodland): ABH 19	---	✓	✓	---	---
Amphibian Breeding Habitat (woodland): ABH 27	✓	✓	✓	---	---
Amphibian Breeding Habitat (woodland): ABH 31	✓	✓	✓	---	---
Amphibian Breeding Habitat (woodland): ABH 38	---	✓	✓	---	---
Amphibian Breeding Habitat (woodland): ABH 48	✓	✓	✓	---	---
Amphibian Breeding Habitat (woodland): ABH 59	---	✓	✓	---	---
Marsh Breeding Bird Habitat: MBB 5	---	✓	✓	---	---
Marsh Breeding Bird Habitat: MBB 7	---	✓	✓	---	---
Marsh Breeding Bird Habitat: MBB 11	---	✓	✓	---	---
Marsh Breeding Bird Habitat: MBB 13	---	✓	✓	---	---
Marsh Breeding Bird Habitat: MBB 17	---	✓	✓	---	---
Marsh Breeding Bird Habitat: MBB 18	---	✓	✓	---	---
Marsh Breeding Bird Habitat: MBB 20	✓	✓	✓	---	---
Marsh Breeding Bird Habitat: MBB 21	✓	✓	✓	---	---
Marsh Breeding Bird Habitat: MBB 22	---	✓	✓	---	---
Marsh Breeding Bird Habitat: MBB 23	---	✓	✓	---	---



Natural Feature ID	Feature in Relation to Project Location		Evaluation of Significance Status		
	Within	Within Prescribed Setback	Requires Evaluation	Previously Evaluated	Evaluation Not Required
Marsh Breeding Bird Habitat: MBB 28	✓	✓	✓	---	---
Marsh Breeding Bird Habitat: MBB 31	✓	✓	✓	---	---
Marsh Breeding Bird Habitat: MBB 45	✓	✓	✓	---	---
Habitat of Species of Conservation Concern					
Red-headed Woodpecker: WHW1	---	✓	✓	---	---
Red-headed Woodpecker: WHW2	---	✓	✓	---	---
Schweinitz's Sedge	✓	✓	✓	---	---
Animal Movement Corridors					
None identified in the project location or 120 metre setback					
Generalized Candidate Significant Wildlife Habitat					
<ul style="list-style-type: none"> ▪ Colonial Bird Nesting Habitat CNH3-5, CNH8-11, CNH13-15 ▪ Bat Maternal Roosts Colonies BMRC3 and BMRC5 ▪ Interior Forest Breeding Bird Habitat IFB1, IFB4, IFB5, IFB10 ▪ Riffle Snaketail habitat ▪ Turtle Wintering Habitat ▪ Amphibian Breeding Habitat (Woodlands) ABH7, ABH8, ABH14, ABH21, ABH23, ABH25, ABH26, ABH29, ABH30, ABH34, ABH35, ABH37, ABH40, ABH42, ABH43, ABH46, ABH 47, ABH52, ABH54, ABH55, ABH56, ABH57 	---	✓	---	---	✓



Natural Feature ID	Feature in Relation to Project Location		Evaluation of Significance Status		
	Within	Within Prescribed Setback	Requires Evaluation	Previously Evaluated	Evaluation Not Required
▪ Marsh Breeding Bird Habitat MBB1-4, MBB6, MBB8-10, MBB12, MBB14-16, MBB19, MBB24 -27, MBB29-30, MBB32-44, MBB46-MBB49					