Easture ID & Distance to		Date of Field	Photographic Records from Field Investigation		Type of REA
Project Component	Description of Water Feature	Date of Field			Water Body
(refer to Figures 4.7 for	(ELC units shown on	(field notes in	Unstream	Downstream	Feature (as
location of each water feature)	Figures a-c in Appendix B)	Appendix C0	Opsiteani	Downstream	defined by O.
location of cach water reature)					Reg. 359/09)
Feature ID (source of	W41 (site investigation, aerial photo	graphy)			
information)					
	Property access was not provided	June 14, 2012	and the second second		W41 - not carried
	for the property where this feature				forward as a
	was located and for that reason a				water body
	roadside survey was conducted.		W41		
W41	This feature was determined				
W34 Om St	through site investigation to be a				
	dugout pond. W41 was determined		and the second sec	and the starting of	
CARGE COMPANY	not to meet the definition of a			A CONTRACTOR OF THE OWNER OWNE	
E CARLER CONTRACTOR	'water body' as outlined in O. Reg.			and the second	
W41 14m to underground	359/09.		Dugout pond at W41		
w41 – 1411 to underground					
road right of way					
Todd fight of way.					

Eastura ID & Distance to		Date of Field	Photographic Records from Field Investigation		Type of REA
Project Component (refer to Figures 4-7 for location of each water feature)	Description of Water Feature (ELC units shown on Figures a-c in Appendix B)	Investigation (field notes in Appendix C0	Upstream	Downstream	Water Body Feature (as defined by O. Reg. 359/09)
Feature ID (source of information)	W42 (NRVIS data layer (MNR), aer	ial photography)			
W42 - 81m from underground electrical collection in existing road right of way.	Property access was not provided for the property where this feature was located and for that reason an alternative site investigation through review of aerial photography and background information was conducted. This feature was determined to be a cattail shallow marsh through ELC analysis. This classification is consistent with other features of similar appearance that were field surveyed; and, as no open water component was noted through aerial photography W42 was determined not to meet the definition of a 'water body' as outlined in O. Reg. 359/09. This feature was identified as part of a significant wetland in the NHA process (see mapping in Appendix B).	June 14, 2012	Aerial photography demonstrates V and emergent vegetation. Based or determined to be dominated by em other cattail shallow marshes in the	W42 Image: Constraint of the second seco	W42 - not carried forward as a water body

Eastura ID & Distance to		Date of Field	Photographic Records fr	Type of REA	
Project Component (refer to Figures 4-7 for location of each water feature)	Description of Water Feature (ELC units shown on Figures a-c in Appendix B)	Investigation (field notes in Appendix C0	Upstream	Downstream	Water Body Feature (as defined by O. Reg. 359/09)
Feature ID (source of information)	W43 (site investigation)				
W43 - 16m from underground electrical collection and access road to Turbine 14	This feature was determined during site investigation to be a dugout pond. W43 was determined not to meet the definition of a 'water body' as outlined in O. Reg. 359/09.	May 15, 2012	Dugout pond at W43 on edge of a 2012	iricultural field – May 15,	W43 - not carried forward as a water body

Fasture ID & Distance to		Data of Field	Photographic Records fr	Type of REA	
Project Component (refer to Figures 4-7 for location of each water feature)	Description of Water Feature (ELC units shown on Figures a-c in Appendix B)	Investigation (field notes in Appendix C0	Upstream	Downstream	Water Body Feature (as defined by O. Reg. 359/09)
Feature ID (source)	W44 (NRVIS data layer (MNR), aer	ial photography)			
W50 WV44 W44 – 36m from underground electrical collection in existing road right of way	Property access was not provided for the property where this feature was located and for that reason an alternative site investigation through review of aerial photography and background information was conducted. This feature was determined to be part of ELC unit 405 a white cedar coniferous forest. The forest was dominated by eastern white cedar which is often the result of secondary growth from managed sites. No evidence of an open water component was provided by aerial photography. W44 was determined not to meet the definition of a 'water body' as outlined in O. Reg. 359/09.	June 14, 2012	Through use of aerial photography was determined to be dominated by a wetland feature.	the surface area of this feature y vegetation and was treated as	W44 - not carried forward as a water body

Easture ID & Distance to		Date of Field	Photographic Records from Field Investigation		Type of REA
Project Component (refer to Figures 4-7 for location of each water feature)	Description of Water Feature (ELC units shown on Figures a-c in Appendix B)	Investigation (field notes in Appendix C0	Upstream	Downstream	Water Body Feature (as defined by O. Reg. 359/09)
Feature ID (source of information)	W46 (site investigation)				
W46 - 86m to underground electrical collection and access road to Turbine 13	This area was determined through site investigation to be an area of seepage, as was evident from the iron staining. W46 is within a willow swamp thicket (ELC unit 106) dominated by willows and red-osier dogwood. The seepage area is dominated by watercress and spike rush with Loesel's tway blade around the perimeter. This feature was also identified through the NHA process to be a significant wetland (see mapping in Appendix B).	May 15, 2012	Seepage area identified May 15, 20	The second se	W46 - seepage area

Easture ID & Distance to	Feature ID & Distance to		Photographic Records from Field Investigation		Type of REA
Project Component (refer to Figures 4-7 for location of each water feature)	Description of Water Feature (ELC units shown on Figures a-c in Appendix B)	Investigation (field notes in Appendix C0	Upstream	Downstream	Water Body Feature (as defined by O. Reg. 359/09)
Feature ID (source of information)	W47 (site investigation)				
W47 - 45m from Turbine 14 and associated underground electrical collection and access road.	This area was determined through site investigation to be an area of seepage, as was evident from the marsh marigolds and cold water temperatures (temperature of 11C on May 15, 2012). W47 is within a forb mineral deciduous swamp dominated by such as spotted joe- pye weed, buttercup, lance leaved goldenrod, ferns and sedges. This feature was also identified through the NHA process to be a significant wetland (see mapping in Appendix B).	May 15, 2012	Seepage area identified May 15, 2	With the second secon	W47 - seepage area

Eastern ID & Distance to		Date of Field	Photographic Records from Field Investigation		Type of REA
Project Component (refer to Figures 4-7 for	Description of Water Feature (ELC units shown on Figures a c in Appendix P)	Investigation (field notes in	Upstream	Downstream	Water Body Feature (as
location of each water feature)	Figures a-c in Appendix B)	Appendix C0			Reg. 359/09)
Feature ID (source of information)	W48 (site investigation, aerial photo	graphy)			
B 10% W48 - 167m from Turbine 8 and access road and underground electrical collection.	Feature was determined to be greater than 120m from the final project location.	May 16, 2012 July 24, 2012	Within ELC unit 57.		W48>120m from Project Location; not assessed further

Easture ID & Distance to	Data of Field		Photographic Records fr	Type of REA	
Project Component (refer to Figures 4-7 for location of each water feature)	Description of Water Feature (ELC units shown on Figures a-c in Appendix B)	Investigation (field notes in Appendix C0	Upstream	Downstream	Water Body Feature (as defined by O. Reg. 359/09)
Feature ID (source of information)	W49 (site investigation, aerial photo	graphy)			
W49 33m W49 - 33m from access road and underground electrical collection line to Turbine 17.	This feature was identified as an open water feature as part of a larger wetland unit during site investigation. The pond is surrounded by predominantly red maples and occasional white elm. Species found around or emerging from the open water include sedges, manna grass, water parsnip, reed-canary grass, and sensitive fern. Abundant cover is available within the pond in the form of woody debris and vegetation. American toad, Midland painted turtle, spring peeper, leopard frog, green frog and Northern leopard frog documented during site investigations. No fish observed from pond edges; however, review of background information (Natural Environment Technical Report as part of an Aggregate Extraction Application for the property) documents baitfish within the pond. This feature was also identified as significant wildlife habitat within the NHA process.	May 16, 2012	Pond condition on May 16, 2012.	Foto taken facing south	W49- pond

Easture ID & Distance to		Data of Field	Photographic Records from Field Investigation		Type of REA
Project Component	Description of Water Feature	Investigation			Water Body
(refer to Figures 4-7 for	(ELC units shown on	(field notes in	Upstream	Downstream	Feature (as
location of each water feature)	Figures a-c in Appendix B)	Appendix C0			defined by O.
Fasture ID (source of	W50 (NDVIS data lawar (MND)	ial shata asan hay)		L	Reg. 359/09)
information)	w 50 (INK V IS data layer (MINK), aer	iai photography)			
	This feature was classified as a	June 14, 2012			W50- not carried
	cattail shallow marsh (ELC unit	,	A American American American		forward as a
	289) during field surveys. It is a		Second	1 A A	water body
and the second second second	broad leaved cattail dominated		A . The second sec	A Star All	
The Person	wetland with a few tamarack, white				
W50 Om	cedar, and balsam poplar scattered		- To the Strate - Sector		
ALL ALL	along the edge. Abundant bull-head				
	ground layer. Groon frog looperd				
CONTRACTOR STRUCTURE STRUCTURE AND	frog and basking Midland painted				
	turtle observed during site visit.		and an and a second s	a construction was a set of	
	Hydrophytic vegetation was			A STATISTICS AND A	
	dominant within the feature;		The state of the second state of the		
W50 _ 0m from underground	therefore it was treated as a wetland		"你们,你们也会能没有不能		
electrical collection in existing	and addressed within the NHA as a				
road right of way	significant wetland (see mapping in		W50 - Shallow cattail marsh (ELO	Cunit 289), June 14, 2012.	
	Appendix B).			s ante 203), e ante 1 i, 2012i	
	w 50 was determined not to meet				
	outlined in O Reg. 359/09				
	outilied in O. Reg. 339/09.				

Feature ID & Distance to		Date of Field	Photographic Records from Field Investigation		Type of REA
Project Component (refer to Figures 4-7 for location of each water feature)	Description of Water Feature (ELC units shown on Figures a-c in Appendix B)	Investigation (field notes in Appendix C0	Upstream	Downstream	Water Body Feature (as defined by O. Reg. 359/09)
Feature ID (source of information)	W52 (NRVIS data layer (MNR), aer	ial photography)			
W52 – 0m from underground electrical collection in existing road right of way.	Property access was not provided for the property where this feature was located and for that reason an alternative site investigation through review of aerial photography and background information was conducted. The structure, shape and surrounding features shown through aerial photography suggest this feature is a dugout pond. W52 was determined not to meet the definition of a 'water body' as outlined in O. Reg. 359/09.	June 14, 2012	Aerial image of W52.		W52- not carried forward as a water body

Notes:

NHA – East Durham Wind Energy Centre Natural Heritage Assessment (LGL 2012)

ELC mapping and descriptive table provided in Appendix B.

Mapping of significant wetlands other wetlands identified and addressed within the NHA are included in Appendix B.







