

Appendix II: Terrestrial Survey Effort

Survey Type/Protocol Used	Surveyors	Date (YYYY/MM/DD)	Weather Conditions	Total Sampling Effort (hrs)	Notes
Aquatics					
Aquatics/Fish community sampling & Salmonoid spawning surveys	CL, SS	2009/06/18; 2009/06/29 & 30; 2009/07/27; 2009/08/26- 2009/09/23; 2009/10/13; 2009/10/23		878	See sampling effort table Summary of Fish Sampling Effort.xlsx
Vegetation					
Vegetation/Community classification	CE	2009/06/29	14-20°C Cloudy	7.5	Vegetation communities were visited and species recorded. Walked all of beaver pond edges, transects through potential flooded area, wetlands.
Vegetation/plant inventory	CE	2009/06/30	15-21°C Mostly Cloudy	7.5	Plant species recorded throughout field visit along existing road, penstock, canal, control structure, powerhouse and tailrace.
Vegetation/plant inventory	CE	2009/07/27	16-22°C Cloudy/pm Rain showers	7.5	Plant species recorded throughout field visit. Walked beaver pond edges, penstock, current and future road alignments.
Vegetation/plant inventory	CE	2009/07/28	17-24°C Cloudy/pm Rain showers	7.5	Plant species recorded throughout field visit. Walked tailrace, powerhouse, hydro cut, penstock and canal.
Vegetation/plant inventory	CE	2009/10/14	8-14°C Cloudy/Rain showers	3.5	Plant species recorded along hydro cut and at tailrace.
Vegetation/plant inventory	CE, KR	2011/05/30	22 °C Sunny with	4 hrs	Plants recorded along penstock, powerhouse

Appendix II: Terrestrial Survey Effort

			some clouds		and beaver pond.
Vegetation/plant inventory	CE, KR, AG	2011/06/13	23 °C Sunny with some clouds	4 hrs	Plant species recorded in meadow marsh and in old beaver pond.
TOTAL				41.5	
Wildlife					
Birds/Breeding Bird Survey	CE	2009/06/28	14-20°C Cloudy	3	Methodology based on Ontario Breeding Bird Atlas point count and CWS Ontario Forest Bird Monitoring Program- timing 6-9 am -surveyed all of pond edges and within 150 metre circle
Birds/Incidental observations	CE	2009/06/28	14-20°C Cloudy	4.5	Birds recorded during field visits by sight or sound -surveyed roads, penstock, canal cut, access road, hydro line cut, powerhouse and tailrace -searched for stick nests
Birds/ breeding bird surveys	CE	2009/06/29	15-21°C Mostly Cloudy	3	Methodology based on Ontario Breeding Bird Atlas point count and CWS Ontario Forest Bird Monitoring Program- timing 6-9 am -surveyed roads, pond edges in flood zone, penstock, canal cut, powerhouse and tailrace
Birds/Incidental observations	CE	2009/06/29	15-21°C Mostly Cloudy	7.5	Birds recorded during field visits by sight or sound while on site. Searched for stick nests.
Birds/incidental	CE	2009/07/27	16-22°C	5	-incidental

Appendix II: Terrestrial Survey Effort

observations			Cloudy/pm Rain showers		observations of birds throughout site including roads
Birds/Incidental observations	CE	2009/07/28	17-24°C Cloudy/pm Rain showers	4	-incidental observations of birds throughout site including penstock, stick nests throughout
Birds/Stick nest search	CE	2009/09/24	5-10°C Clear	7.5	Hydro corridor and roads walked.
Birds/Incidental observations	CE	2011/06/13	23°C Sunny	4	Incidental observations throughout marsh habitats
TOTAL				38.5	
Reptiles and Amphibians					
Herpetozoa/Amphibian Surveys	CE	2009/06/28	16-17°C Cloudy	2	Protocols followed the Marsh Monitoring Program for amphibians -evening surveys -daytime surveys included turning over logs, scanning pond edges and basking logs and seeking out brush areas, sunning locations, hibernaculums and moving surface debris.
Herpetozoa/Incidental	CE	2009/06/29	14-20°C Cloudy	7.5	Reptile and Amphibian species seen or heard were recorded throughout the field visit. Searches included turning over logs, scanning pond edges and basking logs and seeking out brush areas, sunning locations, hibernaculums and moving surface debris.
Herpetozoa/Incidental	CE	2009/07/27	16-22°C Cloudy/Rain showers	7.5	Incidental observations of turtles and frogs. Not a

Appendix II: Terrestrial Survey Effort

					targeted survey.
Herpetozoa/Incidental	CE	2009/07/28	17-24°C Cloudy/Rain showers	7.5	Incidental observations of turtles and frogs. Not a targeted survey.
Herpetozoa/Incidental	CE, KR	2011/05/30	22 °C Sunny with some clouds	4	Targeted surveys for turtles. Incidental observations of amphibians.
Herpetozoa/Incidental	CE, KR, AG	2011/06/13	23 °C Sunny with some clouds	4	Targeted surveys for turtles. Incidental observations of amphibians.
TOTAL				32.5	
Odonata					
Odonates/Incidental	CL, SS, CE	2009/06/29 & 2009/06/30	14-20°C Cloudy; 15-21°C Mostly Cloudy	15	Odonates seen and identified were recorded throughout the field visits.
TOTAL				15	
Mosses and Lichens					
Mosses and Lichens/Incidental	CL, SS, CE	2009/06/29 & 2009/06/30	14-20°C Cloudy; 15-21°C Mostly Cloudy	15	Mosses and Lichens were recorded throughout the field visits.
TOTAL				15	

TOTAL SAMPLING EFFORT FOR PROJECT: 142.5 hours

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