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July 24, 2013

Via E-mail/Hard Copy to Follow

Colleen C. Parker, Environmental
Program Specialist 3
NYS Adirondack Park Agency
1133 NYS Route 86
P.O. Box 99
Ray Brook, New York 12977

Re: Adirondack Club and Resort;
Project No. 2005-100;
Proposed Amphibian Impact Analysis Plan

Dear Colleen:

Enclosed in outline form is a proposal by KT Wildlife, LLC to undertake an Amphibian Impact Analysis of those Resource Management lands with 800 feet of mapped wetlands located on the Eastern portion of the ACR project site (small Eastern Great Camp Lots and associated roadways).

Also enclosed is the data associated with the "Quantitative Amphibian Presence and Migration Surveys" also prepared by KT Wildlife, LLC.

These are being presented to you pursuant to paragraph 82 of the Agency's final Project Findings and Order No. 2005-100 and draft Permit 2005-100.4, Conditions 24, 25 & 26 ("Protection of Amphibians"). Condition 25 of that draft Permit provides:

"Based on the results of the biological survey, the Project Sponsor shall provide the Agency a detailed plan for an amphibian impact analysis. The plan shall include all the Biological Survey data collected and an analysis of the proposed development and an assessment of impacts. Prior to the undertaking of the Impact Analysis, the Project Sponsor shall submit a plan providing details to the Agency for review and approval. If approvable, the plan shall be authorized in writing by the Agency."



Thus, it is our understanding that based on this survey data and information and staff approval of the enclosed Plan, KT Wildlife, LLC will be undertaking the Impact Analysis. This Impact Analysis will establish whether additional best management practices and low cost mitigation techniques prior to construction should be applied to these limited areas of the project site to further reduce potential impacts to amphibian populations by further protecting habitat and facilitating amphibian movements. Any such additional low cost mitigation, if deemed desirable, would be authorized by an Agency letter of permit compliance.

We look forward to staff's acceptance of the enclosed documents.

Sincerely,



Thomas A. Ulasewicz

TAU:v

cc:	Kathleen Michell	via e-mail w/attachments
	Gerard Salmon	" "
	Michael Foxman	" "
	Tom Lawson	" "
	Bob Sweeney	" "
	Kevin Franke	" "

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JUL 25 2013

Adirondack Park Agency

**Proposed
Amphibian Impact Analysis Plan
Eastern Great Camp Lots Area
Adirondack Club and Resort
Tupper Lake, Franklin County, NY**

**Prepared by Kathy Michell & Gerard T. Salmon
KT Wildlife, LLC
42 School Street
Narrowsburg, NY 12764**

For

**Preserve Associates, LLC
4272 Conestoga Road
Elverson, PA 19250**

July 2013

**Proposed
Amphibian Impact Analysis Plan
Adirondack Club & Resort
APA Project 2005-100
Tupper Lake, New York**

Objective: An analysis of the biological survey data and an assessment of impacts.

- I. Project Background and History of Site
- II. Habitat Description of Surveyed Areas (Resource Management lands)
 - A. 800 foot delineated area from mapped wetlands:
 1. Lake Simond Road Extension
 2. Bypass Road
 3. Small Eastern Great Camp Lots 20, 21, 22, 26, 29, 30 & 31
- III. Amphibian Migration – identifiable corridors
- IV. Significance of Amphibians Present
- V. Presence of Vernal Pools
- VI. Proposed Increase in Human Activity on Surveyed Portion of Project Site
- VII. Analysis of Impacts of Proposed Project/Human Activity on Amphibians

Appendix A: Biological Survey Data

**Quantitative Amphibian Presence and Migration Surveys
April/May 2013
Small Eastern Great Camp Lots
Adirondack Club and Resort
Tupper Lake, Franklin County, NY**

**Conducted by Gerard Salmon
And Prepared by Kathy Michell and Gerard Salmon
KT Wildlife, LLC
42 School Street
Narrowsburg, NY 12764**

For

**Preserve Associates, LLC
4272 Conestoga Road
Elverson, PA 19250**

July 2013

Survey Overview

A comprehensive quantitative amphibian survey was conducted on all the Resource Management lands within the Eastern portion of the project site (Small Eastern Great Camp Lots; see "Materials and Methods", *infra.*, second paragraph) that are located within 800 feet of delineated wetlands between 24 April and 12 May 2013. The 2013 spring amphibian migration season varies slightly year to year based on weather conditions. To maximize the success in finding emerging, migrating and breeding amphibians it is essential to survey during the best possible window. Amphibians will migrate in less than favorable condition if the weather is persistently unaccommodating. The 2013 spring season was delayed in much of the Northeast and upstate New York was not an exception. The survey period began on 24 April with a rainy spell during which amphibians were observed. However the temperatures began to drop significantly, and combined with dry weather and a late snowfall amphibian migration was put on hold, along with the surveys. The dry spell ended with rains around 9 May and the surveys resumed through the 12th with a fair number of common species of amphibians actively moving during the rain.

Table 1 shows the date, location, and species of the individuals captured and/or observed during the surveys in chronological order. Table 2 lists the amphibians by species with the dates and location of capture. Table 3 presents the weather conditions, and Table 4 summarizes the species observed and/or heard on each survey date and total numbers observed and imaged.

Materials and Methods

All surveys were conducted between 24 April and 12 May, 2013 both during the daytime and night. During rainy conditions the survey was conducted through the entire overnight period. Surveys on rainy nights of Lake Simond Road, Lake Simond Ext and Ski Tow Road were conducted by both driving and walking to locate migrating amphibians. The bypass road and lots were surveyed on foot. The survey covered 11 days and/or nights. Photographs were taken *in situ* of most amphibians. Some were captured to be photographed the next day before release back at their locations due to heavy rain conditions which precluded the use of photographic equipment, due to water, fogging, etc. Date, time, location data, species and activity were recorded for individuals observed. Recordings were made of frogs calling in several locations on several dates.

Surveys were conducted of all project properties within 800 feet of delineated wetlands. The surveys included lots 20, 21, 22, 26, 29, 30 and 31 as shown on Plan Sheets LA 12, 13 and 15. Daytime reconnaissance surveys were conducted of this 800 foot buffer as well as the entire Small Eastern Great Camp Lots for the presence of vernal pools. Initial surveys included a wider

scope to better assess the amphibian populations and status in the general area. Dip nets were used to capture and identify larval amphibians and egg masses. Adult amphibians were captured by hand and net. Eleven pitfall traps were set in locations determined to have the highest probability to capture salamanders. Grid searches following the procedures outlined in the following guide were conducted each of the lots; *Measuring and Monitoring Biological Diversity: Standard Methods for Amphibians*. Edited by W. Ronald Heyer, Maureen A. Donnelly, Roy W. McDiarmid, Lee-Ann C. Hayek and Mercedes S. Foster. *Biological Diversity Handbook Series*, published by the Smithsonian Institution Press, 1994. This included random surveys of three 10mX10m blocks on each lot where the leaf litter was overturned and moist areas beneath shrubs were searched in addition to surface surveys. Roadside ditches present along the dirt portions of road, which function as vernal pools, were searched for evidence of amphibians and breeding.

Survey Results

Surveys of lots 20, 21, and 22 yielded only eastern red-backed salamanders and one common garter snake, a common predator of these salamanders. There was no evidence of amphibian breeding on these lots and no vernal pools were located during the surveys. No amphibian activity was observed during the rainy night surveys of Lots 20, 21 and 22 adjacent to Read Road.

During reconnaissance surveys of lots 26, 29, 30, and 31 a vernal pool was located on lot 30. Initial surveys identified several other vernal pools outside the Small Eastern Great Camp Lots. The vernal pool on Lot 30, approximately 10' by 12', was photographed and the GPS location recorded. In addition to this pool, an old tire track rut functioned as a vernal pool on this lot also. Wood frog egg masses were found in both. Surveys during rainy nights on Lake Simond Road and Lake Simond Road Ext. produced wood frogs, green frogs, a bull frog, pickerel frogs, spring peepers, spotted salamanders, red spotted newts, and American toads. Surveys of lots 26, 29, 30 and 31 yielded eastern red-backed salamanders. Breeding calls of the wood frog, spring peepers and American toad were recorded. All egg masses located on and adjacent to the project site were identified as wood frog egg masses. During the duration of the survey period, larval amphibians emerged from the masses and were identified by dip netting as wood frog larvae. Green frog tadpoles from the previous year were observed in a nearby wetland.

No salamanders were captured in the pitfall traps. The random grid surveys through the leaf litter and forest floor on the project lots were unsuccessful in producing amphibians.

Roadside ditches along the unimproved Lake Simond Road Ext adjacent to lots 26, 29, 30 and 31 function as vernal pools and all of the identified common frog species were found in these ditches. Wood frog egg masses were abundant in these ditches. Two larval spring salamanders

ACR Quantitative Amphibian Presence and Migration Survey 2013

were located in one of these ditches however, they eluded capture by hiding in the leaves underwater in the ditches. The location was recorded however no photographs were taken. It is estimated that about 75% of the amphibian breeding activity on these lots is occurring in the roadside ditches along the unimproved dirt road.

No endangered or threatened species of amphibians were located during the quantitative amphibian survey, only the ten common species listed here and shown in the tables. There were no concentrated areas of amphibian migration found during the surveys. The common frog species were distributed along the roadways with wood frog eggs common in the roadside ditches. Only four spotted salamanders were observed on Lake Simond Road on 24 April and none were observed during the warmer rainy weather commencing on 9 May. The absence of spotted salamander breeding activity and eggs masses on the Resource Management lands provided further evidence that breeding migrations are not occurring there. Based on the data collected, the Small Eastern Great Camp Lots can be assessed for potential impacts to local amphibian populations.

Table 1. Amphibians located during surveys on Resource Management land listed in chronological order

ID Number	Common Name	Species	Breeding	Sex	NY County	Location	Habitat	Date	Year
ACR AS 01	Wood Frog	Lithobates sylvatica		u	Franklin	Lake Simond Rd Ext	on dirt road	24-Apr	2013
ACR AS 02	Green Frog	Lithobates clamitans melanota		u	Franklin	Lake Simond Rd Ext	on dirt road	24-Apr	2013
ACR AS 03	Spotted Salamander	Ambystoma maculatum		m	Franklin	Lake Simond Road	on pavement	24-Apr	2013
ACR AS 04	Spotted Salamander	Ambystoma maculatum		f	Franklin	Lake Simond Road	on pavement	24-Apr	2013
ACR AS 05	Spotted Salamander	Ambystoma maculatum		f	Franklin	Lake Simond Road	on pavement	24-Apr	2013
ACR AS 06	American Toad	Anaxyrus americanus americanus		u	Franklin	Lake Simond Road	on pavement	24-Apr	2013
ACR AS 07	Wood Frog	Lithobates sylvatica		u	Franklin	Lake Simond Road	on pavement	24-Apr	2013
ACR AS 08	Spring Peeper	Pseudacris crucifer crucifer		u	Franklin	Lake Simond Rd Ext	on dirt road	24-Apr	2013
ACR AS 09	Wood Frog	Lithobates sylvatica	egg mass	u	Franklin	Lake Simond Rd Ext	in vernal pool	25-Apr	2013
ACR AS 10	Wood Frog	Lithobates sylvatica	two egg masses	u	Franklin	Lake Simond Rd Ext	in vernal pool	25-Apr	2013
ACR AS 11	Green Frog	Lithobates clamitans melanota		f	Franklin	Lake Simond Rd Ext	in vernal pool	25-Apr	2013
ACR AS 12	Northern Red-Backed Salamander	Plethodon cinereus		u	Franklin	Lake Simond Rd Ext	under log	27-Apr	2013
ACR AS 13	Green Frog	Lithobates clamitans melanota		f	Franklin	Lake Simond Rd Ext	in vernal pool	27-Apr	2013
ACR AS 14	Wood Frog	Lithobates sylvatica	egg mass	u	Franklin	Lake Simond Rd Ext	in vernal pool	27-Apr	2013
ACR AS 15	Wood Frog	Lithobates sylvatica		u	Franklin	Lake Simond Rd Ext	in vernal pool	27-Apr	2013
ACR AS 16	Wood Frog	Lithobates sylvatica		u	Franklin	Lake Simond Rd Ext	in vernal pool	27-Apr	2013
ACR AS 17	Wood Frog	Lithobates sylvatica	egg mass	u	Franklin	Lake Simond Rd Ext	in vernal pool	27-Apr	2013
ACR AS 18	Wood Frog	Lithobates sylvatica		u	Franklin	Lake Simond Rd Ext	in vernal pool	27-Apr	2013
ACR AS 19	Wood Frog	Lithobates sylvatica	egg masses	u	Franklin	Lake Simond Rd Ext	in vernal pool	27-Apr	2013
ACR AS 20	Wood Frog	Lithobates sylvatica	egg mass	u	Franklin	Lake Simond Rd Ext	in vernal pool	27-Apr	2013
ACR AS 21	Green Frog	Lithobates clamitans melanota		u	Franklin	logging road	in vernal pool	28-Apr	2013
ACR AS 22	Pickerel Frog	Lithobates palustris	dead	u	Franklin	logging road	in vernal pool	28-Apr	2013
ACR AS 23	Green Frog	Lithobates clamitans melanota		u	Franklin	spring	in spring pool	28-Apr	2013
ACR AS 24	Wood Frog	Lithobates sylvatica		f	Franklin	Lake Simond Rd Ext	in vernal pool	28-Apr	2013
ACR AS 25	Wood Frog	Lithobates sylvatica		u	Franklin	Lake Simond Rd Ext	in vernal pool	28-Apr	2013
ACR AS 26	Wood Frog	UID (tadpoles)		u	Franklin	logging road	in vernal pool	28-Apr	2013
ACR AS 27	Wood Frog	Lithobates sylvatica		u	Franklin	logging road	in vernal pool	28-Apr	2013
ACR AS 28	Wood Frog	Lithobates sylvatica	egg masses	u	Franklin	logging road	in vernal pool	28-Apr	2013
ACR AS 29	Common Garter Snake	Thamnophis sirtalis sirtalis	egg mass	m	Franklin	Lake Simond Road	in old boat	28-Apr	2013
ACR AS 30	Northern Red-Backed Salamander	Plethodon cinereus		u	Franklin	Lake Simond Road	in vernal pool	28-Apr	2013
ACR AS 31	Northern Red-Backed Salamander	Plethodon cinereus		u	Franklin	Lake Simond Road	under log	29-Apr	2013
ACR AS 32	Northern Red-Backed Salamander	Plethodon cinereus		u	Franklin	Lake Simond Road	under log	29-Apr	2013
ACR AS 33	Northern Red-Backed Salamander	Plethodon cinereus		u	Franklin	ACR property Lot 28	under log	29-Apr	2013
ACR AS 34	Northern Red-Backed Salamander	Plethodon cinereus		u	Franklin	ACR property Lot 28	under log	29-Apr	2013
ACR AS 35	Wood Frog	Lithobates sylvatica	egg masses	u	Franklin	ACR property	in vernal pool	29-Apr	2013
ACR AS 36	Northern Red-Backed Salamander	Plethodon cinereus		u	Franklin	ACR property	under log	29-Apr	2013
ACR AS 37	Northern Red-Backed Salamander	Plethodon cinereus		u	Franklin	ACR property	under log	29-Apr	2013
ACR AS 38	Northern Red-Backed Salamander	Plethodon cinereus		u	Franklin	ACR property	under log	29-Apr	2013
ACR AS 39	Northern Red-Backed Salamander	Plethodon cinereus		u	Franklin	ACR property	under log	29-Apr	2013
ACR AS 40	Northern Red-Backed Salamander	Plethodon cinereus		u	Franklin	ACR property	under log	29-Apr	2013

ACR AS 41	Northern Red-Backed Salamander	Plethodon cinereus	u	Franklin	ACR property	under log	29-Apr 2013
ACR AS 42	Northern Red-Backed Salamander	Plethodon cinereus	u	Franklin	ACR property	under log	29-Apr 2013
ACR AS 43	Northern Red-Backed Salamander	Plethodon cinereus	u	Franklin	ACR property	under log	29-Apr 2013
ACR AS 44	Northern Red-Backed Salamander	Plethodon cinereus	u	Franklin	ACR property	under log	29-Apr 2013
ACR AS 45	Northern Red-Backed Salamander	Plethodon cinereus	u	Franklin	ACR property	under log	29-Apr 2013
ACR AS 46	Northern Red-Backed Salamander	Plethodon cinereus	u	Franklin	ACR property	under log	29-Apr 2013
ACR AS 47	Northern Red-Backed Salamander	Plethodon cinereus	u	Franklin	ACR property	under log	29-Apr 2013
ACR AS 48	Wood Frog	Lithobates sylvatica	egg masses	Franklin	ACR property Lot 30	in vernal pool	29-Apr 2013
ACR AS 49	Wood Frog	Lithobates sylvatica	egg mass	Franklin	ACR property Lot 30	in vernal pool	29-Apr 2013
ACR AS 50	Wood Frog	Lithobates sylvatica	egg masses	Franklin	ACR property Lot 27	in old boat	30-Apr 2013
ACR AS 51	Northern Red-Backed Salamander	Plethodon cinereus	u	Franklin	ACR property	under log	30-Apr 2013
ACR AS 52	Northern Red-Backed Salamander	Plethodon cinereus	u	Franklin	ACR property	under log	30-Apr 2013
ACR AS 53	Northern Red-Backed Salamander	Plethodon cinereus	u	Franklin	ACR property	under log	30-Apr 2013
ACR AS 54	Northern Red-Backed Salamander	Plethodon cinereus	u	Franklin	ACR property	under log	30-Apr 2013
ACR AS 55	Common Garter Snake	Thamnophis sirtalis sirtalis	f	Franklin	ACR property Lot 21	active	30-Apr 2013
ACR AS 56	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Rd Ext	in vernal pool	30-Apr 2013
ACR AS 57	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	30-Apr 2013
ACR AS 58	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	30-Apr 2013
ACR AS 59	Green Frog	Lithobates clamitans melanota	f	Franklin	Lake Simond Rd Ext	in vernal pool	30-Apr 2013
ACR AS 60	Green Frog	Lithobates clamitans melanota	m	Franklin	Lake Simond Rd Ext	in vernal pool	30-Apr 2013
ACR AS 61	Green Frog	Lithobates clamitans melanota	m	Franklin	Lake Simond Rd Ext	in vernal pool	30-Apr 2013
ACR AS 62	American Toad	Anaxyrus americanus americanus	u	Franklin	Lake Simond Rd Ext	on road	10-May 2013
ACR AS 63	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 64	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 65	Bullfrog	Lithobates catesbeiana	f	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 66	Spring Peeper	Pseudacris crucifer crucifer	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 67	Northern Red-Backed Salamander	Plethodon cinereus	u	Franklin	Lake Simond Rd Ext	on road	10-May 2013
ACR AS 68	Spring Peeper	Pseudacris crucifer crucifer	u	Franklin	Lake Simond Rd Ext	on road	10-May 2013
ACR AS 69	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 70	Green Frog	Lithobates clamitans melanota	f	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 71	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 72	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 73	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 74	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 75	Spring Peeper	Pseudacris crucifer crucifer	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 76	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 77	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 78	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 79	Wood Frog	Lithobates sylvatica	u	Franklin	Ski Tow Road	on road	10-May 2013
ACR AS 80	Green Frog	Lithobates clamitans melanota	f	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 81	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 82	Green Frog	Lithobates clamitans melanota	m	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 83	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 84	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 85	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013

ACR AS 86	Pickrel Frog	Lithobates palustris	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 87	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 88	Green Frog	Lithobates clamitans melanota	f	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 89	Green Frog	Lithobates clamitans melanota	f	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 90	Green Frog	Lithobates clamitans melanota	m	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 91	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 92	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 93	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 94	Spring Peeper	Pseudacris crucifer crucifer	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 95	Spring Peeper	Pseudacris crucifer crucifer	m	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 96	Green Frog	Lithobates clamitans melanota	f	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 97	Spring Peeper	Pseudacris crucifer crucifer	f	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 98	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Rd Ext	on dirt road	11-May 2013
ACR AS 99	American Toad	Anaxyrus americanus americanus	u	Franklin	Lake Simond Rd Ext	on dirt road	11-May 2013
ACR AS 100	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Road	on road	11-May 2013
ACR AS 101	Spring Peeper	Pseudacris crucifer crucifer	u	Franklin	Lake Simond Road	on road	11-May 2013
ACR AS 102	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Road	on road	11-May 2013
ACR AS 103	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Road	on road	11-May 2013
ACR AS 104	American Toad	Anaxyrus americanus americanus	u	Franklin	Lake Simond Road	on road	11-May 2013
ACR AS 105	American Toad	Anaxyrus americanus americanus	u	Franklin	Lake Simond Road	on road	11-May 2013
ACR AS 106	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Road	on road	11-May 2013
ACR AS 107	Green Frog	Lithobates clamitans melanota	m	Franklin	Lake Simond Road	on road	11-May 2013
ACR AS 108	American Toad	Anaxyrus americanus americanus	m	Franklin	Lake Simond Road	on road	11-May 2013
ACR AS 109	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Road	on road	11-May 2013
ACR AS 110	Red-spotted Newt (eft)	Notophthalmus viridescens viridescens	f	Franklin	Lake Simond Rd Ext	on dirt road	11-May 2013
ACR AS 111	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Rd Ext	on dirt road	11-May 2013
ACR AS 112	American Toad	Anaxyrus americanus americanus	u	Franklin	Lake Simond Road	on road	11-May 2013
ACR AS 113	Green Frog	Lithobates clamitans melanota	f	Franklin	Lake Simond Road	on road	11-May 2013
ACR AS 114	Red-spotted Newt (eft)	Notophthalmus viridescens viridescens	u	Franklin	Ski Tow Road	on road	11-May 2013
ACR AS 115	Red-spotted Newt (eft)	Notophthalmus viridescens viridescens	u	Franklin	Ski Tow Road	on road	11-May 2013
ACR AS 116	American Toad	Anaxyrus americanus americanus	u	Franklin	Ski Tow Road	on road	11-May 2013
ACR AS 117	Wood Frog	Lithobates sylvatica (tadpoles)	u	Franklin	Lake Simond Road	in old boat	12-May 2013
ACR AS 118	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	12-May 2013
ACR AS 119	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	12-May 2013
ACR AS 120	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	12-May 2013
ACR AS 121	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	12-May 2013
ACR AS 122	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	12-May 2013
ACR AS 123	Pickrel Frog	Lithobates palustris	u	Franklin	Lake Simond Rd Ext	in vernal pool	12-May 2013
ACR AS 124	Pickrel Frog	Lithobates palustris	u	Franklin	Lake Simond Rd Ext	in grass	12-May 2013
ACR AS 125	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in grass	12-May 2013
	Spring Salamander (larval form)	Gyrinophilus porphyriticus	u	Franklin	Lake Simond Rd Ext	in vernal pool	11-May 2013
	Spring Salamander (larval form)	Gyrinophilus porphyriticus	u	Franklin	Lake Simond Rd Ext	roadside ditch	12-May 2013
				Franklin	Lake Simond Rd Ext	roadside ditch	12-May 2013

Table 2. Amphibians located during surveys on Resource Management land listed by species

ID Number	Common Name	Species	Sex	NY County	Location	Habitat	Date	Year
ACR AS 03	Spotted Salamander	<i>Ambystoma maculatum</i>	m	Franklin	Lake Simond Road	on pavement	24-Apr	2013
ACR AS 04	Spotted Salamander	<i>Ambystoma maculatum</i>	f	Franklin	Lake Simond Road	on pavement	24-Apr	2013
ACR AS 05	Spotted Salamander	<i>Ambystoma maculatum</i>	f	Franklin	Lake Simond Road	on pavement	24-Apr	2013
ACR AS 06	American Toad	<i>Anaxyrus americanus americanus</i>	u	Franklin	Lake Simond Rd Ext	on road	10-May	2013
ACR AS 62	American Toad	<i>Anaxyrus americanus americanus</i>	u	Franklin	Lake Simond Road	on road	11-May	2013
ACR AS 99	American Toad	<i>Anaxyrus americanus americanus</i>	u	Franklin	Lake Simond Road	on road	11-May	2013
ACR AS 104	American Toad	<i>Anaxyrus americanus americanus</i>	u	Franklin	Lake Simond Road	on road	11-May	2013
ACR AS 105	American Toad	<i>Anaxyrus americanus americanus</i>	u	Franklin	Lake Simond Road	on road	11-May	2013
ACR AS 108	American Toad	<i>Anaxyrus americanus americanus</i>	u	Franklin	Lake Simond Road	on road	11-May	2013
ACR AS 112	American Toad	<i>Anaxyrus americanus americanus</i>	u	Franklin	Ski Tow Road	on road	11-May	2013
ACR AS 116	American Toad	<i>Anaxyrus americanus americanus</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May	2013
ACR AS 65	Bullfrog	<i>Lithobates catesbeiana</i>	f	Franklin	Lake Simond Rd Ext	on dirt road	24-Apr	2013
ACR AS 02	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	25-Apr	2013
ACR AS 11	Green Frog	<i>Lithobates clamitans melanota</i>	f	Franklin	Lake Simond Rd Ext	in vernal pool	27-Apr	2013
ACR AS 13	Green Frog	<i>Lithobates clamitans melanota</i>	f	Franklin	Lake Simond Rd Ext	in vernal pool	28-Apr	2013
ACR AS 21	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	logging road	in vernal pool	28-Apr	2013
ACR AS 23	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	28-Apr	2013
ACR AS 57	Green Frog	<i>Lithobates clamitans melanota</i>	f	Franklin	Lake Simond Rd Ext	in vernal pool	30-Apr	2013
ACR AS 58	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	30-Apr	2013
ACR AS 59	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	30-Apr	2013
ACR AS 60	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	30-Apr	2013
ACR AS 61	Green Frog	<i>Lithobates clamitans melanota</i>	f	Franklin	Lake Simond Rd Ext	in vernal pool	30-Apr	2013
ACR AS 63	Green Frog	<i>Lithobates clamitans melanota</i>	m	Franklin	Lake Simond Rd Ext	in vernal pool	30-Apr	2013
ACR AS 64	Green Frog	<i>Lithobates clamitans melanota</i>	m	Franklin	Lake Simond Rd Ext	in vernal pool	30-Apr	2013
ACR AS 69	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May	2013
ACR AS 70	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May	2013
ACR AS 71	Green Frog	<i>Lithobates clamitans melanota</i>	f	Franklin	Lake Simond Rd Ext	in vernal pool	10-May	2013
ACR AS 72	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May	2013
ACR AS 73	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May	2013
ACR AS 74	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May	2013
ACR AS 76	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May	2013
ACR AS 77	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May	2013
ACR AS 78	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May	2013
ACR AS 80	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May	2013
ACR AS 81	Green Frog	<i>Lithobates clamitans melanota</i>	f	Franklin	Lake Simond Rd Ext	in vernal pool	10-May	2013
ACR AS 82	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May	2013
ACR AS 83	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May	2013
ACR AS 84	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May	2013
ACR AS 85	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May	2013
ACR AS 87	Green Frog	<i>Lithobates clamitans melanota</i>	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May	2013

ACR AS 88	Green Frog	Lithobates clamitans melanota	f	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 89	Green Frog	Lithobates clamitans melanota	f	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 90	Green Frog	Lithobates clamitans melanota	m	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 91	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 92	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 93	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 96	Green Frog	Lithobates clamitans melanota	f	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 106	Green Frog	Lithobates clamitans melanota	m	Franklin	Lake Simond Road	on road	11-May 2013
ACR AS 107	Green Frog	Lithobates clamitans melanota	m	Franklin	Lake Simond Road	on road	11-May 2013
ACR AS 109	Green Frog	Lithobates clamitans melanota	f	Franklin	Lake Simond Rd Ext	on dirt road	11-May 2013
ACR AS 113	Green Frog	Lithobates clamitans melanota	f	Franklin	Lake Simond Road	on road	11-May 2013
ACR AS 118	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	12-May 2013
ACR AS 119	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	12-May 2013
ACR AS 120	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	12-May 2013
ACR AS 121	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	12-May 2013
ACR AS 122	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	12-May 2013
ACR AS 125	Green Frog	Lithobates clamitans melanota	u	Franklin	Lake Simond Rd Ext	in vernal pool	12-May 2013
ACR AS 22	Pickerel Frog	Lithobates palustris	u	Franklin	spring	in spring pool	28-Apr 2013
ACR AS 86	Pickerel Frog	Lithobates palustris	u	Franklin	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 123	Pickerel Frog	Lithobates palustris	u	Franklin	Lake Simond Rd Ext	in grass	12-May 2013
ACR AS 124	Pickerel Frog	Lithobates palustris	u	Franklin	Lake Simond Rd Ext	in grass	12-May 2013
ACR AS 01	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Rd Ext	on dirt road	24-Apr 2013
ACR AS 07	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Road	on pavement	24-Apr 2013
ACR AS 09	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Rd Ext	in vernal pool	25-Apr 2013
ACR AS 10	Wood Frog	Lithobates sylvatica	m	Franklin	Lake Simond Rd Ext	in vernal pool	25-Apr 2013
ACR AS 14	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Rd Ext	in vernal pool	27-Apr 2013
ACR AS 15	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Rd Ext	in vernal pool	27-Apr 2013
ACR AS 16	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Rd Ext	in vernal pool	27-Apr 2013
ACR AS 17	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Rd Ext	in vernal pool	27-Apr 2013
ACR AS 18	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Rd Ext	in vernal pool	27-Apr 2013
ACR AS 19	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Rd Ext	in vernal pool	27-Apr 2013
ACR AS 20	Wood Frog	Lithobates sylvatica	u	Franklin	logging road	in vernal pool	28-Apr 2013
ACR AS 24	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Rd Ext	in vernal pool	28-Apr 2013
ACR AS 27	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Road	in old boat	28-Apr 2013
ACR AS 28	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Road	in vernal pool	28-Apr 2013
ACR AS 35	Wood Frog	Lithobates sylvatica	u	Franklin	ACR property	in vernal pool	29-Apr 2013
ACR AS 48	Wood Frog	Lithobates sylvatica	u	Franklin	ACR property Lot 30	in vernal pool	29-Apr 2013
ACR AS 49	Wood Frog	Lithobates sylvatica	u	Franklin	ACR property Lot 30	in vernal pool	29-Apr 2013
ACR AS 50	Wood Frog	Lithobates sylvatica	u	Franklin	ACR property Lot 27	in old boat	30-Apr 2013
ACR AS 56	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Rd Ext	in vernal pool	30-Apr 2013
ACR AS 79	Wood Frog	Lithobates sylvatica	u	Franklin	Ski Tow Road	on road	10-May 2013
ACR AS 98	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Rd Ext	on dirt road	11-May 2013
ACR AS 100	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Road	on road	11-May 2013
ACR AS 102	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Road	on road	11-May 2013
ACR AS 103	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Road	on road	11-May 2013
ACR AS 111	Wood Frog	Lithobates sylvatica	u	Franklin	Lake Simond Rd Ext	on dirt road	11-May 2013

ACR AS 117	Wood Frog	Lithobates sylvatica (tadpoles)	Franklin	Lake Simond Road	in old boat	12-May 2013
ACR AS 110	Red-spotted Newt (eft)	Notophthalmus viridescens viridescens	u	Lake Simond Rd Ext	on dirt road	11-May 2013
ACR AS 114	Red-spotted Newt (eft)	Notophthalmus viridescens viridescens	u	Ski Tow Road	on road	11-May 2013
ACR AS 115	Red-spotted Newt (eft)	Notophthalmus viridescens viridescens	u	Ski Tow Road	on road	11-May 2013
ACR AS 12	Northern Red-Backed Salamander	Plethodon cinereus	u	Lake Simond Rd Ext	under log	27-Apr 2013
ACR AS 30	Northern Red-Backed Salamander	Plethodon cinereus	u	Lake Simond Road	under log	29-Apr 2013
ACR AS 31	Northern Red-Backed Salamander	Plethodon cinereus	u	Lake Simond Road	under log	29-Apr 2013
ACR AS 32	Northern Red-Backed Salamander	Plethodon cinereus	u	Lake Simond Road	under log	29-Apr 2013
ACR AS 33	Northern Red-Backed Salamander	Plethodon cinereus	u	Lake Simond Road	under log	29-Apr 2013
ACR AS 34	Northern Red-Backed Salamander	Plethodon cinereus	u	ACR property Lot 28	under log	29-Apr 2013
ACR AS 36	Northern Red-Backed Salamander	Plethodon cinereus	u	ACR property Lot 28	under log	29-Apr 2013
ACR AS 37	Northern Red-Backed Salamander	Plethodon cinereus	u	ACR property	under log	29-Apr 2013
ACR AS 38	Northern Red-Backed Salamander	Plethodon cinereus	u	ACR property	under log	29-Apr 2013
ACR AS 39	Northern Red-Backed Salamander	Plethodon cinereus	u	ACR property	under log	29-Apr 2013
ACR AS 40	Northern Red-Backed Salamander	Plethodon cinereus	u	ACR property	under log	29-Apr 2013
ACR AS 41	Northern Red-Backed Salamander	Plethodon cinereus	u	ACR property	under log	29-Apr 2013
ACR AS 42	Northern Red-Backed Salamander	Plethodon cinereus	u	ACR property	under log	29-Apr 2013
ACR AS 43	Northern Red-Backed Salamander	Plethodon cinereus	u	ACR property	under log	29-Apr 2013
ACR AS 44	Northern Red-Backed Salamander	Plethodon cinereus	u	ACR property	under log	29-Apr 2013
ACR AS 45	Northern Red-Backed Salamander	Plethodon cinereus	u	ACR property	under log	29-Apr 2013
ACR AS 46	Northern Red-Backed Salamander	Plethodon cinereus	u	ACR property	under log	29-Apr 2013
ACR AS 47	Northern Red-Backed Salamander	Plethodon cinereus	u	ACR property	under log	29-Apr 2013
ACR AS 51	Northern Red-Backed Salamander	Plethodon cinereus	u	ACR property	under log	30-Apr 2013
ACR AS 52	Northern Red-Backed Salamander	Plethodon cinereus	u	ACR property	under log	30-Apr 2013
ACR AS 53	Northern Red-Backed Salamander	Plethodon cinereus	u	ACR property	under log	30-Apr 2013
ACR AS 54	Northern Red-Backed Salamander	Plethodon cinereus	u	ACR property	under log	30-Apr 2013
ACR AS 67	Northern Red-Backed Salamander	Plethodon cinereus	u	ACR property	under log	30-Apr 2013
ACR AS 08	Spring Peeper	Pseudacris crucifer crucifer	u	Lake Simond Rd Ext	on road	10-May 2013
ACR AS 66	Spring Peeper	Pseudacris crucifer crucifer	u	Lake Simond Rd Ext	on dirt road	24-Apr 2013
ACR AS 68	Spring Peeper	Pseudacris crucifer crucifer	u	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 75	Spring Peeper	Pseudacris crucifer crucifer	u	Lake Simond Rd Ext	on road	10-May 2013
ACR AS 94	Spring Peeper	Pseudacris crucifer crucifer	m	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 95	Spring Peeper	Pseudacris crucifer crucifer	f	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 97	Spring Peeper	Pseudacris crucifer crucifer	u	Lake Simond Rd Ext	in vernal pool	10-May 2013
ACR AS 101	Spring Peeper	Pseudacris crucifer crucifer	u	Lake Simond Rd Ext	on dirt road	11-May 2013
ACR AS 29	Common Garter Snake	Thamnophis sirtalis sirtalis	m	Lake Simond Road	on road	11-May 2013
ACR AS 55	Common Garter Snake	Thamnophis sirtalis sirtalis	f	Ski Tow Road	AOR	29-Apr 2013
ACR AS 26		UID (tadpole)	u	ACR property Lot 21	active	30-Apr 2013
ACR AS 25		UID (tadpoles)	u	logging road	in vernal pool	28-Apr 2013
observed	Spring Salamander	Gyrinophilus porphyriticus	u	logging road	in vernal pool	28-Apr 2013
observed	Spring Salamander	Gyrinophilus porphyriticus	u	Lake Simond Rd Ext	roadside ditch	12-May 2013
				Lake Simond Rd Ext	roadside ditch	12-May 2013

Table 3. Weather conditions during Adirondack Club and Resort Amphibian Surveys

Date	Survey Start	Survey End	Precipitation	Temperature Range
24-Apr-13	1430	2330	light rain	16°C to 8°C
25-Apr-13	1008	1830	rain previous night	4°C to 12.7°C
26-Apr-13	1200	1900	snow in am, then dry	7.2°C to 7.2°C
27-Apr-13	1200	1700	none	13°C to 19.2°C to 10°C
28-Apr-13	1300	1930	none	17°C to 19°C
29-Apr-13	1050	1900	overcast, no rain	18.3°C
30-Apr-13	1300	1900	none	15°C to 20°C
9,10-May-2013	2400	500	rain, then light rain	19°C to 7°C
10,11-May-2013	2100	500	rain	19°C to 10°C
11-May-13	1100	2000	heavy rain, dry later	16°C to 8°C
12-May-13	1100		sunny, windy, colder	4°C to 7°C

Table 4. Numbers and species cataloged and imaged during Adirondack Club and Resort Amphibian Survey

Date	Spring Peepers	Wood Frogs	Green Frogs	Spotted Salamanders	American Toads	Red backed Salamanders	Pickereel Frog	Common Garter	Spring Salamanders	Red Spotted Newt
24-Apr-13	calling, observed	calling, egg masses, observed	observed	observed	observed					
25-Apr-13	calling, observed	egg masses	tadpoles							
26-Apr-13	courtship observed	egg masses								
27-Apr-13	calling, observed	calling, egg masses, observed	observed			observed				
28-Apr-13	calling, observed	observed, egg masses	observed				observed			
29-Apr-13		egg masses						observed		
30-Apr-13	calling, observed	observed, egg masses	observed			observed		observed		
9,10-May-2013	calling, observed	observed	observed		observed	observed		observed		
10,11-May-2013	calling, observed	observed	observed		observed, calling	observed			2 larval observed	
11-May-13		observed egg masses,tadpoles	observed			observed	observed			observed
12-May-13			observed							
Total numbers	Numerous	26	45	4	8	26	4	2	2	3

Representative Photographs of Amphibian Species
and Habitat Identified on the Small Eastern Great
Camp Lots, Adirondack Club and Resort



Bullfrog



Green Frog



American Toad



Green Frog



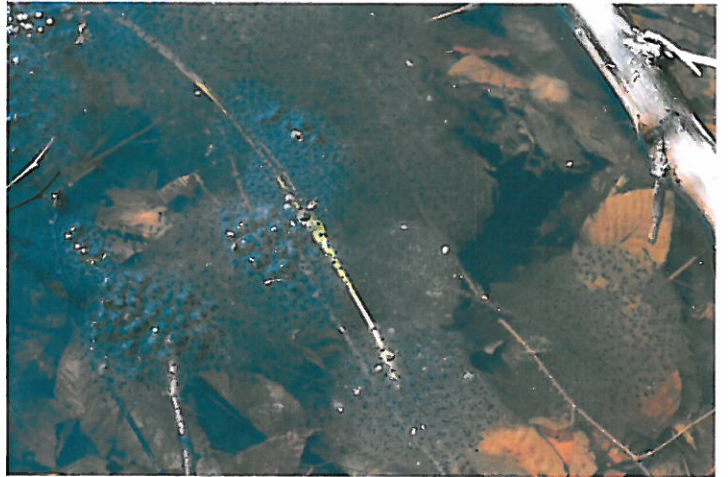
Green Frog



Pickerel Frog



Spring Peeper



Wood Frog egg masses



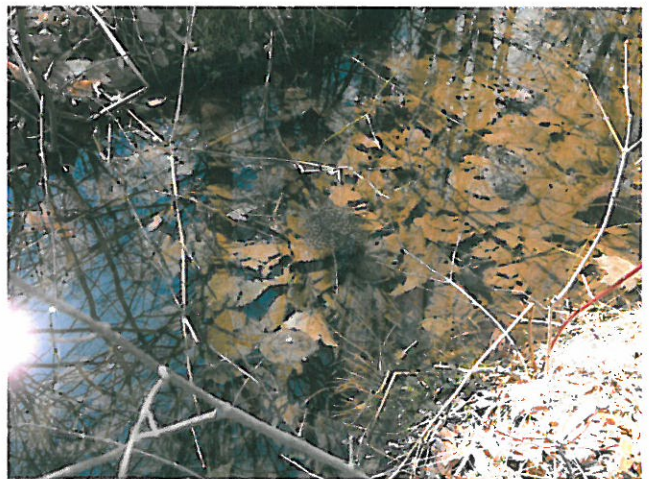
Wood Frog



Roadside ditch



Wood Frog



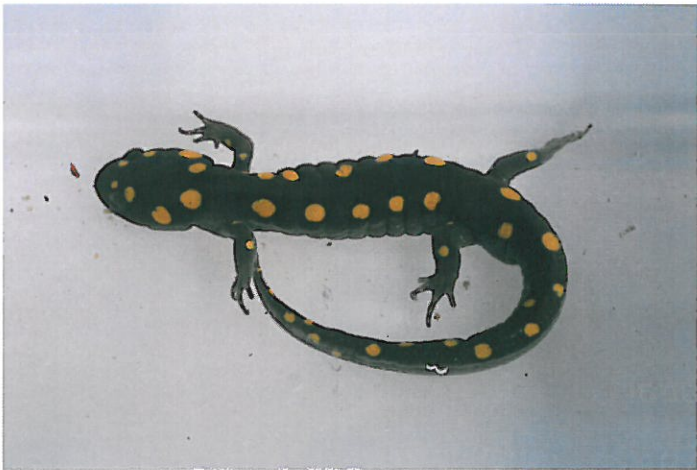
Wood Frog egg masses in ditch



Spotted Salamander



Red Backed Salamander



Spotted Salamander



Red Spotted Newt (Red Eft Stage)



Red Backed Salamander



Common Garter Snake



Common Garter Snake



Nearby off site natural wetland



Vernal pool on Lot 30



Off site vernal pool



Tire track vernal pool on lot 30



Off site vernal pool