NORTHEAST REGIONAL CONSERVATION NEEDS GRANT
2013 PROGRESS REPORT

Quarter: (circle one) 2013 1st 2013 2nd 2013 3rd 2013 4th

Grant Program, Number and Title: RCN grant 2012-02 Evaluation of Prevalence of Fungal Dermatitis in New England Timber Rattlesnake Populations

Organization: Roger Williams Park Zoo

Project Leader: Lou Perrotti

Abstract: Please provide a short (1-2 paragraphs) abstract that addresses EACH of the following: the objectives of your project, accomplishments to date, future plans and timelines with an estimate for when the project will be completed.

The fall sampling period is straddling 3rd and 4th quarter dates. In the 3rd quarter the following tasks were completed:

- Reports for the spring sampling were prepared and submitted to the biologists collating the results of testing and providing comparison with the overall population numbers
- We brought in and trained Dr. Eric Baitchman to help with sampling of Timber Rattlesnakes from one of the populations. This not only makes the logistics of sampling snakes from that population less difficult it helps reduce the scheduling conflicts that were occurring with too many snakes coming to the zoo
- We received and/or sampled 8 snakes. These eight snakes will be augmented with snakes that were collected in the first part of the 4th quarter.

Next quarter will include continued sampling of snakes and the entry and early analysis of the results from the fall sampling period. Results of the fall sampling will be distributed to participating biologists. The project is still on track to be completed at the end of 2014.

Were planned goals/objectives achieved last quarter?

Yes. While the number of snakes sampled was below our expectations, we have made some changes that should help us catch up during future sampling times.

Progress Achieved: (For each Goal/Objective, list Planned and Actual Accomplishments)

Objective	Planned	Accomplished
Obtain an overall health assessment of multiple New England Timber Rattlesnake populations and determine the prevalence of skin lesions within each population	50 samples	8 (16% of goal)
Determine the prevalence of fungal dermatitis via biopsy of any lesions identified	50 samples	8 (16% of goal)
Determine the identification of any fungal organisms on biopsy by polymerase chain reaction testing with ITS2 sequencing	50 samples	8 (16% of goal)
Obtain baseline hematological values and compare values	50 samples	8 (16% of goal)

between individuals with or without the presence of fungal dermatitis		
Obtain baseline plasma biochemical values and compare values between individuals with or without the presence of fungal dermatitis	50 samples	8 (16% of goal)
Determine prevalence of ophidian paramyxovirus in New England Timber Rattlesnake populations using polymerase chain reaction and association with the presence of skin lesions	50 samples	8 (16% of goal)
Determine presence of heavy metals or toxins in individuals and association with the presence of skin lesions	50 samples	8 (16% of goal)

NOTE: Our goal is to collect 50 samples during the fall collection period. The actual dates of snake collection varies each year and is dependent on the weather. This year, the fall collection period is split between 3rd and 4th quarter. Additional snakes beyond what could be included above have been collected and will be applied to the 50 snake goal.

Difficulties Encountered:

1. We are still having some trouble getting samples from one of the identified populations. While this is largely outside of our control, we have added another veterinarian who can work with this population to try to acquire more samples from their population.

Activities Anticipated Next Quarter:

We will continue the fall sampling season, await results and prepare reports for participating biologists.

Expected End Date:

End of 2014.

Costs:

Total life to date expenses (include this quarter): $20,874.00

Total Approved Budgeted Funds: $81,148.71

Are you within the approved budget plan and categories? Yes

Signature:

Date: 11/19/2013

NORTHEAST REGIONAL CONSERVATION NEEDS GRANT
2013 FINANCIAL REPORT

Quarter: (circle one) 2013 1st 2013 2nd 2013 3rd 2013 4th

Grant Program, Number and Title: RCN grant 2012-02 Evaluation of Prevalence of Fungal Dermatitis in New England Timber Rattlesnake Populations

A. Current Quarter Grant Eligible Cost Summary:

	GRANT FUNDS	MATCH*	TOTAL
Personal Service Cost			
Salaries and/or Wages		2512.00	2512.00
Fringe Benefits		502.00	502.00
Personal Service Indirect Cost___%			
Non-personal Service Cost			
Building space		5760.00	5760.00
Equipment			
Supplies & Materials	54.00		54.00
Contractual Services			
Other-Testing	3851.00		3851.00
Non-personal Indirect Cost___%			
TOTAL	3905.00	8774.00	12,679.00

*Match is a requirement of some grant programs; list matching funds if specified in contract.

B. Cumulative Total Grant Eligible Costs Claimed from Beginning of Agreement up-to-and Including Current Quarter:

Total Life-to-Date Expenses	$6804.00
Less Previous Payments Processed	$2899.00
Total Amount Due Grantee Now:	$3905.00

C. Personal Services Summary Grantee and 3rd Party Match*:

Date	Name, Affiliation, Title	Rate	Task	Hours	Total Cost
	See attached details				
					8774.00

*Match is a requirement of some grant programs, document match if specified in contract.

NOTE: This certification must be signed prior to reimbursement of costs unless daily time and activity records summarizing personal services performed in relation to the project for each individual employee are signed by the appropriate supervisor and attached.

CERTIFICATION OF GRANTEE AND 3RD PARTY MATCH

I hereby certify that daily time and activity records for each individual detailing the specific hours devoted solely to this project which are distinguishable from work done on other projects during the same time frame, maintained in accordance with all applicable federal, state and general municipal accounting practices and procedures are available in our files for inspection.

Authorized Representative

Volunteer Time & Activity Report
State Wildlife Grants–Roger Williams Park Zoo

Date(s)	Hours Worked (include prep time and other organizational efforts)	Rate	Activity Description (e.g., field survey, medical, monitoring, planning meeting, training)	Totals
9/15/13	6	35.00	Prepare Reports	
9/18/13	1.5		Sampling / Records	
9/24/13	1.0hr		Sampling	
9/29/13	3.0		Collate data, Data Entry	
Totals	11.5			402.50

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(Print name) Michael McBride (address) Roger Williams Park Zoo, 1000 Elmwood Ave, Providence, RI, 02907.

Signature of Volunteer: _____ **Signature of Project Leader:** _____

Return to: State Wildlife Grants: Attention: Lou Perrotti Project Leader, Roger Williams Park Zoo 401-785-3510 *FWD Volunteer Form version 4/20/2007*

Q3

Volunteer Time & Activity Report
State Wildlife Grants–Roger Williams Park Zoo

Date(s)	Hours Worked (include prep time and other organizational efforts)	Rate	Activity Description (e.g., field survey, medical, monitoring, planning meeting, training)	Totals
7/1/13	15m	20.90	husbandry, medical	
7/2/13	25m		husbandry, medical	
7/3/13	15m		husbandry	
7/4/13	15m		husbandry	
7/7/13	15m		husbandry	
7/8/13	15m		husbandry	
7/9/13	15m		husbandry	
7/10/13	15m		husbandry	
7/11/13	15m		husbandry	
7/14/13	45m		husbandry	
Totals				

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(Print name)_____(address)_Roger Williams Park Zoo, 1000 Elmwood Ave, Providence, RI, 02907_____.

Signature of Volunteer: _____ **Signature of Project Leader:** _____

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Q3

Volunteer Time & Activity Report
State Wildlife Grants–Roger Williams Park Zoo

Date(s)	Hours Worked (include prep time and other organizational efforts)	Rate	Activity Description (e.g., field survey, medical, monitoring, planning meeting, training)	Totals
8/28/13	3h		medical	
9/18/13	1h		medical	
9/23/13	20m		husbandry	
9/24/13	1h		medical	
9/25/13	15m		husbandry	
9/26/13	15m		husbandry	
9/29/13	15m		husbandry	
Totals	9.25 hr.			193.32

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(Print name)_____ (address)_Roger Williams Park Zoo, 1000 Elmwood Ave, Providence, RI, 02907 _____.

Signature of Volunteer: _____ **Signature of Project Leader:**_____

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Q3

Volunteer Time & Activity Report
State Wildlife Grants–Roger Williams Park Zoo

Date(s)	Hours Worked (include prep time and other organizational efforts)	Rate	Activity Description (e.g., field survey, medical, monitoring, planning meeting, training)	Totals
7/5/13	0.25	20.90	Husbandry	
7/12/13	0.25		Husbandry	
7/13/13	0.25		Husbandry	
7/19/13	0.25		Husbandry	
7/20/13	0.25		Husbandry	
7/26/13	0.25		Husbandry	
7/27/13	0.25		Husbandry	
8/2/13	0.25		Husbandry	
8/3/3	0.25		Husbandry	
8/9/13	0.25		Husbandry	
Totals				

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(Print name) Abigail Robbins (address) Roger Williams Park Zoo, 1000 Elmwood Ave, Providence, RI, 02907.

Signature of Volunteer: Abigail Robbins **Signature of Project Leader:**

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Volunteer Time & Activity Report
State Wildlife Grants–Roger Williams Park Zoo

Date(s)	Hours Worked (include prep time and other organizational efforts)	Rate	Activity Description (e.g., field survey, medical, monitoring, planning meeting, training)	Totals
8/10/13	0.25		Husbandry	
8/14/13	1.5		Sampling	
8/16/13	0.25		Husbandry	
8/17/13	0.25		Husbandry	
8/23/13	0.25		Husbandry	
8/28/13	1.0		Sampling	
8/30/13	0.25		Husbandry	
8/31/13	0.25		Husbandry	
9/13/13	0.25		Husbandry	
9/14/13	0.25		Husbandry	
Totals				

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(Print name) Abigail Robbins (address) Roger Williams Park Zoo, 1000 Elmwood Ave, Providence, RI, 02907 _____.

Signature of Volunteer: _____ **Signature of Project Leader:** _____

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Volunteer Time & Activity Report
State Wildlife Grants–Roger Williams Park Zoo

Date(s)	Hours Worked (include prep time and other organizational efforts)	Rate	Activity Description (e.g., field survey, medical, monitoring, planning meeting, training)	Totals
9/18/13	1.5		Sampling, husbandry	
9/20/13	0.25		Husbandry	
9/21/13	0.25		Husbandry	
9/24/13	1.5		Sampling, husbandry	
9/27/13	0.25		Husbandry	
9/28/13	0.25		Husbandry	
Totals	14.5			303.05

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(Print name) Abigail Robbins (address) Roger Williams Park Zoo, 1000 Elmwood Ave, Providence, RI, 02907.

Signature of Volunteer: Abigail R **Signature of Project Leader:**

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Q 3

Volunteer Time & Activity Report
State Wildlife Grants–Roger Williams Park Zoo

Date(s)	Hours Worked (include prep time and other organizational efforts)	Rate	Activity Description (e.g., field survey, medical, monitoring, planning meeting, training)	Totals
8/14/13	1.5hr	35.00	medical care/sampling – CT snakes	
8/28/13	1 hr		medical care/sampling – CT snakes	
9/27/13	1hr		medical care/sampling – MA snakes	
Totals	3.5hr			122.50

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(Print name) Kim Wojick (address) Roger Williams Park Zoo, 1000 Elmwood Ave, Providence, RI, 02907.

Signature of Volunteer: _____ **Signature of Project Leader:** _____

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Volunteer Time & Activity Report
State Wildlife Grants–Roger Williams Park Zoo

Date(s)	Hours Worked (include prep time and other organizational efforts)	Rate	Activity Description (e.g., field survey, medical, monitoring, planning meeting, training)	Totals
3/28/13	1	27.31	Sampling	
8/14/13	1.5		Sampling	
8/24/13	1		Sampling	
8/28/13	3		Sampling	
9/18/13	1.5		Sampling	
9/24/13	1.5		Sampling	
10/21/13	3		Data Entry	
Totals	12.5			341.40

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(Print name) Lou Perrotti (address) Roger Williams Park Zoo 1000 Elmwood Ave Prov. RI

Signature of Volunteer: _____ **Signature of Project Leader:** _____

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Volunteer Time & Activity Report
State Wildlife Grants–Roger Williams Park Zoo

Date(s)	Hours Worked (include prep time and other organizational efforts)	Rate	Activity Description (e.g., field survey, monitoring, planning meeting, training)	Totals
Available.	43	20.90	CBC's	898.70
on Request	12	20.90	Chemistry Tests	250.80
Totals				1149.50

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(Print name) Bonnie Sulu (address) Roger Williams Park Zoo.

Signature of Volunteer: _____ **Signature of Project Leader:** _____

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