NORTHEAST REGIONAL CONSERVATION NEEDS GRANT
2014 PROGRESS REPORT

Quarter: (circle one) 2014 1st 2014 2nd 2014 3rd 2014 4th

Grant Program, Number and Title: RCN grant 2012-03 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.

All timber rattlesnakes were bromating in their dens during the 1st quarter of the year so no work was done directly with the snakes. Year end reports were generated and submitted to all biologists providing them with all results so far. These reports were distributed in March.

Were planned goals/objectives achieved last quarter?

Yes. We expected no direct snake work this quarter. The year end reports were completed as planned.

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	19 samples
Determine the prevalence of fungal dermatitis via biopsy of any lesions identified	50 samples	19 samples
Determine the identification of any fungal organisms on biopsy by polymerase chain reaction testing with ITS2 sequencing	50 samples	19 samples
Obtain baseline hematological values and compare values between individuals with or without the presence of fungal dermatitis	50 samples	19 samples
Obtain baseline plasma biochemical values and compare values between individuals with or without the presence of fungal dermatitis	50 samples	19 samples
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	19 samples
Determine presence of heavy metals or toxins in individuals and association with the presence of skin lesions	50 samples	19 samples

Difficulties Encountered:

1. Many of the population biologists have stopped supplying samples. This is due to a number of factors including:
    a. Transport of snakes to local veterinarians was taking too much staff time
    b. Reduced population monitoring due to budgetary cuts
    c. Overlap with a SWIG grant that started this March

    We are happy to continue to receive snakes and/or samples from these populations but they are unlikely to participate any further. This has reduced the total number of samples. We are currently at 94 samples and we still believe that this will provide useful data.

Activities Anticipated Next Quarter:

We have received 2 additional samples in the 3rd quarter already and expect to receive the last of our samples late in the 3rd quarter and early in the 4th quarter of 2014.

Expected End Date:

End of 2014.

Costs:

Total life to date expenses (include this quarter): 46,715.00

Total Approved Budgeted Funds: 81,149.00

Are you within the approved budget plan and categories? yes

Signature:

Date: 8/21/14

NORTHEAST REGIONAL CONSERVATION NEEDS GRANT
2014 FINANCIAL REPORT

Quarter: (circle one) 2014 1st 2014 2nd 2014 3rd 2014 4th

Grant Program, Number and Title: 2012-03 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		3,069	3,069
Fringe Benefits		617	617
Personal Service Indirect Cost___%			
Non-personal Service Cost			
~~Travel~~ Testing	1,685		1,685
Equipment			
Supplies & Materials	33		33
Contractual Services			
Other - BLD SPACE		1,920	1,920
Non-personal Indirect Cost___%			
TOTAL	1,718	5,603	7,321

*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	$ 23,543
Less Previous Payments Processed	$ 6,804
Total Amount Due Grantee Now:	$ 16,739

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

Date	Name, Affiliation, Title	Rate	Task	Hours	Total Cost
	See Attached		Detailed	Sheets	

*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

RI Zoological Society/Roger Williams Park Zoo
Evaluation of Prevalence of Fungal dermatitis in New England Timber Rattlesnakes
Match Expenes
4/1/14-6/30/14

	QTR	Grant to Date
	$	$
Salaries	3,069	11,310
Fringe Benefits	614	2,262
Building Space	1,920	9,600
Total Match Expenses	5,603	23,172

Rattlesnake 2nd Q

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
5/7/14	1/2			
5/8/14	1			
5/14/14	1/4			
5/21/14	1/4			
5/28/14	1/4			
6/4/14	1			
6/11/14	1/4			
6/18/14	1/4			
6/25/14	1/4			
		22.23		
Totals	4	[illegible]		88.92

Instructions: This record documents the State match required for the federal State Wildlife Grant (SWG) funds used for this project. If federal funds compensate you for your time, or your time is already being used as a federal match for another program, please do NOT complete this form. NOTE: You must record hours worked for each day you worked on the project on each line. **You cannot summarize your hours weekly.** Please return the completed form to the project coordinator:

(Print name) Jim Hitchner (address) RWP Zoo

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*

Rattlesnake 2nd Q

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
5/6/14	3		medical	
5/7/14	1/2		husbandry	
5/8/14	4		medical, husbandry	
5/14/14	1/4		husbandry	
5/15/14	3 1/2		medical	
5/21/14	1/4		husbandry	
5/27/14	3 1/2		medical	
5/28/14	1/4		husbandry	
5/29/14	2		medical	
6/3/14	2		medical	
Totals	19 1/4	20.90		402.32

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(Print name) Bonnie Saule (address) Roger Williams Park Zoo, 1000 Elmwood Ave, Providence, RI, 02907

Signature of Volunteer: B **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
6/4/14	4		medical, husbandry	
6/11/14	1/4		husbandry	
6/18/14	1/4		husbandry	
6/25/14	1/4		husbandry	
Totals	43/4	20.90		99.27

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

Signature of Volunteer: BS **Signature of Project Leader:**

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Rattlesnake 2nd Q

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
5/27/14	1.0		Sampling	
Totals	1	20.90		20.90

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

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

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Rattlesnake 2nd Q

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
5-6-14	3		Sampling CT snakes	
5-15-14	3.5		Sampling / medical care	
5-27-14	3.5		Sampling / medical care	
5-29-14	2.0		Sampling / medical care	
6/3/14	2.0		Sampling / medical care	
6/4/14	3.5		Sampling / medical care	
Totals	17.5	35.00		612.50

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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
4/24/14	0.5		Email/Phone call with Biologist	
4/26/14	0.5		Email/Scheduling of Snakes	
5/5/14	0.5		Email/Scheduling of Snakes	
5/6/14	3.0		Processed Snakes	
5/8/14	4.5		Processed Snakes	
5/11/14	0.5		Email/Scheduling of Snakes	
5/15/14	3.5		Processed Snakes	
5/19/14	0.5		Email/Scheduling of Snakes	
5/26/14	0.5		Email/Scheduling of Snakes	
5/27/14	1.0		Processed one Snake	
Totals				

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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:** _____

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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
5/29/14	2.0		Processed Snake	
5/29/14	1.5		Data Entry/Processing	
6/3/14	2.0		Processed Snakes	
6/4/14	3.5		Processed Snakes	
6/7/14	0.5		Email/Scheduling of Snakes	
6/15/14	0.25		Contacted Biologist to determine data points	
6/16/14	0.5		Email/Scheduling of Snakes	
Totals	25.25	35.00		883.75

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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:** _____

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Rattlesnake 2nd G

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

Date(s)	Hours Worked (include prep time and other organizational efforts)	Rate $/hr	Activity Description (e.g., field survey, monitoring, planning meeting, training)	Totals
5/6/14	6	~~35.00~~	Sampling CT Snakes	
5/8/14	4.5	~~35.00~~	" "	
5/15/14	7		Sampling Snakes	
5/27/14	4.5		" "	
5/29/14	4		" "	
6/3/14	4		" "	
6/4/14	3.5			
		28.69		
Totals	33.5	~~27.31~~		961.11

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(Print name) Lou Perrotti (address) RWP Zoo

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

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