

NORTHEAST REGIONAL CONSERVATION NEED GRANT QUARTERLY REPORT

Grant Number: 2007-09

Grant Title: Exploring the Connection Between Arousal Patterns in Hibernating Bats and White Nose Syndrome: Immediate Funding Needs for the Northeast Region

Grant Receipt: Bucknell University

Grant Contact Name: DeeAnn M. Reeder, Department of Biology

Report #- 1

Were planned goals/objectives achieved last quarter? For the quarter, yes. The project is still in the preparatory phase, with deployment of RF transmitters and dataloggers scheduled for November, 2008.

Regional Conservation Need Addressed: Due to the recent emergence of this situation (White Nose Syndrome in bats), it has not yet been included as an RCN topic for the typical nomination and ranking process. Due to the severity of its potential impacts on these species, members of NEAFWA in April 2008 elevated this topic to become an immediate RCN and directed available funds for a project to be chosen by experts at a WNS meeting to be convened in June 2008.

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

The objective of this project is to determine if the hibernating patterns of bats are disrupted (which could lead to starvation) by monitoring little brown bats at affected sites, suspected sites, and control sites during 2008-2009. Bat and hibernacula monitoring activities will include collecting:

- 1) temperature and arousal data associated with the hibernating patterns of little brown bats using WeeTag dataloggers;
- 2) a second source of temperature and arousal data using RF transmitters;
- 3) temperature and humidity data at various sites within each selected research site; and
- 4) morphological data on bats as they enter and exit the hibernacula

The project is still in the planning stages – so none of these objectives has yet been met. This quarter, preparation of all field sites was completed, and transmitters/dataloggers are in the process of being calibrated. Deployment of all temperature sensitive monitors will occur during the next quarter, largely during the first week of November.

Difficulties Encountered: Some supplies (WeeTags from AlphaMach Inc.), will not arrive on time. Reeder lab will loan the project 100 ibBat dataloggers to get the study started. Several “weetag” sites will have their start data delayed to accommodate late arriving WeeTags OR the creation of custom dataloggers in the Reeder lab.

Activities Anticipated Next Quarter: RF transmitters and dataloggers will be deployed at all sites so that data collection begins. As needed, batteries will be changed out at RF sites every three weeks. Reeder and others will continue to coordinate the project (including weekly conference calls), calibrate transmitters and dataloggers etc.

Costs:

Are you within the approved budget plan? yes

Are you within approved budget categories? yes

Signature:

Date: 10/15/2008

NORTHEAST REGIONAL CONSERVATION NEEDS GRANT EXPENDITURE REPORTING FORM

Grant Number: 2007-09

Grant Title: Exploring the Connection Between Arousal Patterns in Hibernating Bats and White Nose Syndrome: Immediate Funding Needs for the Northeast Region

Grant Receipt: Bucknell University

Grant Contact Name: DeeAnn M. Reeder, Department of Biology

Reporting Period for Costs Claimed On This Voucher: 8/1/08-10/15/08

A. List Total Eligible Cost Summary For This Reporting Period Only:

NE RCN GRANT			
Time Period			
	RCN FUNDS	NON-FEDERAL MATCH	TOTAL
<u>Personal Service Cost</u>			
Salaries and/or Wages		\$12,121.36	\$12,121.36
Fringe Benefits		\$4,134.87	\$4,134.87
Indirect Cost Rate _____ %		\$1,875.00 (waived overhead from WMI)	\$1,875.00
<u>Non-personal Service Cost</u>			
Travel		\$584.37	\$584.37
Equipment			
Supplies & Materials	\$13715.00		\$13715.00
Contractual Services			
Total	\$13,715.00	\$18,715.60	\$32,430.60

B. List Cumulative Total Eligible Costs Claimed From The Beginning of Agreement Up To And Including Those Listed Above:

Total Life-to-Date Expenses	\$13715.00
Less Previous Payments Processed	\$0
Total Amount Due Grantee Now:	\$13715.00

EAST REGIONAL CONSERVATION NEEDS GRANT PERSONAL SERVICES SUMMARY GRANTEE AND 3RD PARTY MATCH

Grant Number: 2007-09

Grant Title: Exploring the Connection Between Arousal Patterns in Hibernating Bats and White Nose Syndrome: Immediate Funding Needs for the Northeast Region

Grant Receipt: Bucknell University

Grant Contact Name: DeeAnn M. Reeder, Department of Biology

Reporting Period for Costs Claimed On This Voucher: 8/1/08-10/15/08

[illegible]

NOTE: If daily time and activity records for each individual employee, signed by the appropriate supervisor, which document the above summarized personal services performed in relation to the project, are not attached, the following certification must be signed prior to reimbursement of those costs.

**NORTHEAST REGIONAL CONSERVATION NEEDS
GRANT
CERTIFICATION OF
GRANTEE AND 3RD PARTY MATCH**

Grant Number: 2007-09

Grant Title: Exploring the Connection Between Arousal Patterns in Hibernating Bats and White Nose
Syndrome: Immediate Funding Needs for the Northeast Region

Grant Receipt: Bucknell University

Grant Contact Name: DeeAnn M. Reeder, Department of Biology

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