

# **NORTHEAST REGIONAL CONSERVATION NEEDS GRANT 2012 ABSTRACT**

Quarter: (circle one)

2012 1<sup>st</sup>

2012 2<sup>nd</sup>

2012 3<sup>rd</sup>

2012 4<sup>th</sup>

Grant Number and Title: 2010-04 State of the Frogs: Development of Regional Analysis for Frog Call Survey Data from the North American Amphibian Monitoring Program

Grant Receipt/Organization: USGS Patuxent Wildlife Research Center

Grant Project Leader: Linda Weir

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 North American Amphibian Monitoring Program (NAAMP, website: [www.pwrc.usgs.gov/naamp](http://www.pwrc.usgs.gov/naamp)) is a collaborative effort among USGS, State Agencies, and other partners, to monitor calling amphibians abundance. The over-arching objective of this research grant is to provide a Northeast regional trend assessment for calling amphibians using NAAMP data. In support of this objective, development of modeling and trend assessment framework for regional reported is needed that will build upon existing occupancy modeling. In the first quarter of 2012 we began data extraction and model development. We notified RCN during the fourth quarter that our in-kind matching funds documented were lower than we expected and proposed a revised Schedule B; our revised Schedule B was approved this quarter. We continue to expect the project to be completed by September 2012. Final products include a presentation at the Northeast Fish & Wildlife Conference, manuscript for publication in scientific journal, and an online publication of results on the NAAMP website.

# NORTHEAST REGIONAL CONSERVATION NEED GRANT

## 2012 PROGRESS REPORT

Quarter: (circle one)      **2012 1<sup>st</sup>**      2012 2<sup>nd</sup>      2012 3<sup>rd</sup>      2012 4<sup>th</sup>

Grant Number and Title: 2010-04 Northeast State of the Frogs: Development of Regional Analysis for Frog Call Survey Data from the North American Amphibian Monitoring Program

Grant Receipt/Organization: USGS Patuxent Wildlife Research Center

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Were planned goals/objectives achieved last quarter?

First quarter of 2012 goals and objectives were not achieved, due to the delay in work caused by the budget shortfall of in-kind match. We are about one quarter behind, instead of being at the trend assessment stage we are currently in the data extraction and model development stage.

Regional Conservation Need Addressed: Topic 6: Design and Implement Monitoring Protocols, Measures, and Indicators for NE Species of Greatest Conservation Need.

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

Goal 1: Develop methodological extensions for trend assessment from NAAMP data.

Goal 2: Assess regional trends for all Northeast frog and toad species with sufficient data.

During the 1<sup>st</sup> quarter of 2012 work was begun on data extraction and model development. For each covariate and species, data are extracted to individual files, arranged as the modeling software expects. Careful review of the data files is required to ensure that each covariate file relates properly to the data in the other data files. During data extraction review, we found that revisions to the extraction process were required. The preliminary data extraction datasets were used to begin model development. Final data extraction did not occur in the first quarter.

In the 2<sup>nd</sup> quarter of 2012, we expect final data extraction to occur, model development to continue, and trend assessments to begin. Thus the majority of tasks related to analyzing the data will occur in the second quarter. During the 3<sup>rd</sup> quarter the writing up of the analyses will be the primary focus.

Summary of Progress: (Provide a paragraph describing progress, work to come, and timelines)

In the first quarter of 2012 we worked on data extraction and model development. Also during this quarter our revised Schedule B was approved.

In the next quarter we expect the bulk of the analysis process to be completed. Then in the third quarter we will work on preparation of the associated manuscript and website and would like to present our results to RCN.

Difficulties Encountered:

The biggest difficulty was a short-fall of expected in-kind match. In the fourth quarter of 2011, we finished documentation of the in-kind match. Final in-kind match is short by about \$12,000. Because of this short-fall some work was delayed while a revised plan was developed and approved. The revised Schedule B was

approved during the first quarter of 2012.

Activities Anticipated Next Quarter:

Next quarter we expect to complete the bulk of the analysis process and begin manuscript preparation.

Expected End Date: September 2012

Costs:

Funds Expended to Previous to this Report: None.

Amount of RCN Funds Requested within this Report: None.

Total Approved Budgeted RCN Funds: \$42,347.26 (originally \$54,591)

Are you within the approved budget plan? We were under in the in-kind match, and thus in the amount of RNC dollars permitted. A revised Schedule B has been approved.

Are you within approved budget categories? Yes

Signature:



Date:

