

NORTHEAST REGIONAL CONSERVATION NEEDS GRANT QUARTERLY REPORT

Grant Number: 2008-03

Grant Title: Regional Focal Areas for Species of Greatest Conservation Need based on Site Adaptive Capacity, Network Resilience, and Connectivity.

Grant Receipt: The Nature Conservancy

Grant Contact Name: Mark Anderson

Report #- 4 (July 1, 2010 through Sept 30, 2010)

Were planned goals/objectives achieved last quarter?

Goal 1: Complete the creation of a regional connectivity grid.

This quarter we successfully completed a regional connectivity grid identifying pinch points where species movements and ecological processes may become concentrated. Producing the grid required a fair amount of experimentation with the CIRCUITSCAPE program and we met twice with its developer to discuss methods. Finally we found a way to scale it correctly by running the region as a series of overlapping tiles and then seaming the tiles together into a single surface, and adjusting the scores appropriately.

Goal 2: Compile recent information on the locations of species of conservation concern.

We are still obtaining data from each of the states on the specific locations of the species of concern. We hope to have this data set completed in the next month.

Regional Conservation Need Addressed: Climate Change: regional focal areas for species of conservation need.

Progress Achieved: (For each Goal/Objective, list Planned and Actual Accomplishments) — See details above.

Difficulties Encountered: As described above, we have completed the creation of a connectivity grid, however we are still obtaining all the species data needed from each state.

Activities Anticipated Next Quarter:

Goal 1: By end of November have all the species information compiled.

Goal 2: By the end of the quarter, overlay the species locations with the results of the topography, elevation, local connectedness grids, and pinch point grids. .

Goal 3: Have a compiled data set of SGCN species locations.

Costs:

Are you within the approved budget plan? Yes

Are you within approved budget categories? Yes

A handwritten signature in black ink, appearing to read "Mark Anderson". The signature is fluid and cursive, with a long, sweeping underline that extends to the right.

Signature: Mark Anderson, Director of Conservation Science

Date: October 15, 2010