

NORTHEAST REGIONAL CONSERVATION NEED GRANT QUARTERLY REPORT

Grant Number: 2008-05

Grant Title: Regional Indicators and Measures: Beyond conservation Land

Grant Receipt: The Nature Conservancy

Grant Contact Name: Mark Anderson

Report #: 5 (October 1, 2010 through December 31, 2010)

Were planned goals/objectives achieved last quarter?

Yes: we completed the complex metrics and have chapters ready for lakes and forests. We are now working on the stream chapter

Regional Conservation Need Addressed: Regional Indicators and Measures

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

This project overlaps to some extent with 2007-5 but is focused on the more complicated measures that require more time and effort to compile. In the past three months we generated final results and completed chapter drafts for wetlands, lakes, and forests. We are in the middle of completing the stream chapter

Goal 1 Complete Forest Chapter: analysis, charts, and maps

- developed a look-up and reclassified input landfire types into macrogroups
- intersected the simplified forest types with block sizes, resistant kernel, and conservation lands and worked on reporting thresholds
- analyzed the FIA data and completed results for age structure, size structure and disturbance profiles
- analyzed the Breeding Bird Survey data and completed results for all forest types

Goal 2 Complete Lake Chapter: analysis, charts, and maps related to

- overlaid landcover with lake buffers to report conversion within buffer
- calculated minimum distance to roads for each lake
- tagged lakes to output stream reach and queried impervious surface in upstream watershed
- compiled information on loons populations changes

Goal 3. Progress on Stream Chapter: analysis and charts related to

- settled on impervious surface thresholds and reported miles by stream size class
- summarized buffer land use by stream size class
- followed up with Pam Fuller of Nonindigenous Aquatic Species group regarding our data request
- assisted with data quality review of regional dam dataset

Goal 4. Circulate wetland chapter and revise based on feedback

-completed

Difficulties Encountered: No difficulties with project but two staff members are now on leave (maternity and family loss) and it is slowing out work down in ways I did not anticipate.

Activities Anticipated Next Quarter:

- Complete the final report by March 31

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 horizontal stroke extending to the right.

Signature: Mark Anderson

Date: January 24, 2011