

# NORTHEAST REGIONAL CONSERVATION NEEDS GRANT

## 2013 PROGRESS REPORT

Quarter: (circle one)

2013 1<sup>st</sup>

2013 2<sup>nd</sup>

2013 3<sup>rd</sup>

2013 4<sup>th</sup>

Grant Program, Number and Title: 2011-03, Conservation Assessment of Odonata (Dragonflies and Damselflies) in the Northeast Region

Organization: New York Natural Heritage Program

Project Leader: Erin White

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.

Objective 1: Assess regional responsibility for all species of Odonata in the Northeast.

Objective 2: Assess regional vulnerability of each Odonata species occurring in the Northeast.

Objective 3: Combine responsibility and vulnerability into a single prioritization matrix and habitat crosswalk.

To date, we have had a preliminary meeting with our collaborators and several steering committee calls. The principal collaborators and steering committee agreed on a project schedule and timeline to complete our objectives by the deadline. The steering committee also issued a call for data in May of 2012 and incoming data has been compiled into a centralized database. A preliminary meeting with our Advisory Committee, with representatives from each of the Northeastern states, chosen by the Northeast Fish and Wildlife Diversity Technical Committee, was held August 29, 2012. In addition, a habitat list for Odonata species has been compiled, which relates to the Northeast Aquatic Habitat Classification, which is being incorporated into our conservation assessment. We received all expected Odonata data from the region by December and have incorporated it into a single database and we have performed quality control and database clean-up. NatureServe completed drafting regional Odonata maps in mid-March 2013 which were used Apr-Jun in the responsibility assessment, and the Steering Committee has drafted a process for the vulnerability assessment. We have drafted regional vulnerability ranks for Northeastern Odonata species based on range extent, area of occupancy, trend information, and habitat specificity and vulnerability. We have drafted a conservation assessment for all Odonata in the Northeast (responsibility and vulnerability) with the compiled data and reviewed this in a workshop at the Northeastern Dragonfly Society of the Americas (DSA) meeting with 21 collaborators on June 22 and 23, 2013 in Griswold, CT. We will revise the conservation assessment based on feedback and finalize a prioritization matrix and report that includes our methodology by June of 2014. Following revisions, report finalization, and further review by collaborators in the fall/winter of 2013 and spring of 2014, our expected project completion is June of 2014.

Were planned goals/objectives achieved last quarter? Yes, a large amount of progress was achieved on this project this quarter. A draft vulnerability assessment was completed for each of the 233 odonate species in the region which was based on rarity factors including range extent, area of occupancy, and habitat specificity, a threat factor (vulnerability of occupied habitats), and a trend factor (relative change in range). Habitat specificity was generated in previous quarters by Pam Hunt with feedback this quarter from two other steering committee members and two collaborators. A draft spreadsheet of this habitat specificity (assignments of 233 odonates to habitats where they are found) was compiled for later review by our collaborators. Habitats included 8 lentic



habitat types and 4 lotic habitat types that Odonata are known to use in our region, based on a simplified classification derived from the Northeast Aquatic Habitat Classification. A habitat vulnerability assessment was completed by four steering committee members and incorporated into a draft vulnerability assessment. All other factors used in the vulnerability analysis were completed the previous quarter. This quarter, calculations on range extent for all 233 odonate species were completed for range-wide Odonata distributions for use in comparing this with regional distributions for the responsibility assessment.

After completing draft vulnerability and responsibility assessments for each species and refining this internally, the steering committee rolled up results into a draft conservation prioritization matrix that could be reviewed by project collaborators and other odonate experts in a workshop at the Northeast Dragonfly Society of the Americas (NE DSA) meeting on June 22 and 23 in Griswold, CT. This matrix followed the general format completed for other taxa in the Northeast, with vulnerability ranks in rows (ranging from most vulnerable, R1, to least vulnerable, R5) and percent responsibility with thresholds in columns, with each species assigned to a vulnerability rank and responsibility percentage (see example for just a few species below). The steering committee planned and led this workshop. We had about 45 odonate experts and enthusiasts in attendance the evening of June 22 when we gave a presentation on an overview of the project and detailed our methodology for conducting the assessments. On Sunday, June 23<sup>rd</sup>, 21 odonate experts met to discuss revisions on habitat specificity (we reviewed all 233 odonate species and habitats they are associated with) and draft conservation vulnerability ranks for each species. For each of these topics, participants had time to review materials on their own and in small groups preceding a large group discussion. We received excellent feedback on species vulnerability and habitat associations in the region which will help us refine our methodology and prioritization matrix in the fall of 2013, and the group offered varied perspectives from throughout the region. We had representation from CT, MA, MD, NH, NY, PA, RI, VA, and VT at the Sunday working session.

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

As progress on all three objectives, we have compiled all expected county level Odonata data from the northeastern states as of December 2012. We have completed draft vulnerability and responsibility assessments for 233 (all) odonate species known from the Northeast region based on this data. We worked with NatureServe to create the distributional maps for our responsibility piece. The Steering Committee based the vulnerability assessment of northeastern Odonata on NatureServe's ranking calculator, combining rarity, threat, and trend factors into a regional vulnerability rank. We combined this rank for each species with a percentage of our region's responsibility of conserving it (based on the proportion of its entire range that occurs in our region) into a prioritization matrix. The vulnerability assessment and threat factor (habitat specificity) as well as the overall prioritization matrix was reviewed by 21 odonate experts at the 2013 NE DSA meeting in June. We will take feedback from the review and refine our assessments and matrix and finalize our products in the coming quarters.

Difficulties Encountered: None

Activities Anticipated Next Quarter:

- Steering Committee reviews feedback from June workshop and then incorporates suggested changes of state odonate experts into the habitat specificity and vulnerability assessments so that analyses and a prioritization matrix can be finalized in Oct-Dec.
- Begin finalizing changes to data in the regional odonate database so that responsibility maps can be re-run by NatureServe in Oct-Dec.
- Hold a Steering Committee meeting in September and discuss structure of final report and tasks for finalizing data and analyses.




Expected End Date: June 1, 2014

Costs:





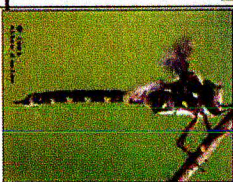



Total life to date expenses (include this quarter): \$32,354.87 (\$22,389.31 grant reimbursable/ \$20,856.51 match)

Total Approved Budgeted Funds: \$78,594.00 (\$38,604 grant reimbursable / \$39,990.00 match)

Are you within the approved budget plan and categories? Yes

Signature:   
Date: August 12, 2013

Example (for just a few species) of a prioritization matrix for Odonata from higher vulnerability (regional rank of R1/R2) to lower vulnerability (R5).

Regional Level of Concern	Regional Responsibility			
	NE is $\geq$ 50% of US/Canada distribution		NE is < 50% of US/Canada distribution	
R1/R2		Septima's Clubtail		Appalachian Snaketail
R3	Little Bluet		Needham's Skimmer	
R4		Ocellated Darner		Spiny Baskettail
R5	Unicorn Clubtail		Eastern Forktail	



# NORTHEAST REGIONAL CONSERVATION NEEDS GRANT 2013 FINANCIAL REPORT

Quarter: (circle one)

2013 1<sup>st</sup>

2013 2<sup>nd</sup>

2013 3<sup>rd</sup>

2013 4<sup>th</sup>

Grant Program, Number and Title: 2011-03/Conservation Assessment of Odonata (Dragonflies and Damselflies) in the Northeastern Region

## A. Current Quarter Grant Eligible Cost Summary:

	GRANT FUNDS	MATCH*	TOTAL
<b><u>Personal Service Cost</u></b>			
Salaries and/or Wages	176.90	3,885.07	4,061.97
Fringe Benefits	74.30	1,133.32	1,207.62
Personal Service Indirect Cost 18 %	45.22	903.31	948.53
<b><u>Non-personal Service Cost</u></b>			
Travel			
Equipment			
Supplies & Materials			
Contractual Services			
Other (In-Kind Match/Volunteer in Match Column)	30.44	4,630.55	4,660.99
Non-personal Indirect Cost 18 %	5.48		5.48
<b>TOTAL</b>	<b>332.34</b>	<b>10,552.25</b>	<b>10,884.59</b>

\*Match is a requirement of some grant programs; list matching funds if specified in contract.

\*\*This financial report includes an adjustment for fringe benefit costs charged to this award by The Nature Conservancy between July 1, 2011 and June 30, 2012. The adjustment is a result of the Conservancy finalizing its audited rates for the organization's fiscal year 2012.

## B. Cumulative Total Grant Eligible Costs Claimed from Beginning of Agreement up-to-and Including Current Quarter:

Total Life-to-Date Expenses	\$22,389.31
Total Life-to-Date Match Expenses	\$20,856.51
Less Previous Payments Processed/Invoiced	\$10,304.26
Total Amount Due Grantee Now:	\$10,552.25

## **C. Personal Services Summary Grantee and 3<sup>rd</sup> Party Match\*:**

### **TNC STAFF**

<b>Name/Title</b>	<b>Hours Claimed</b>	<b>Pay Period End Date</b>	<b>Total Cost</b>
Grant Funded			
Director of Ecological Mgmt	5.0	05/10/2013	
Total Grant Salary			\$176.90
Total Grant Benefits			74.30
Total Grant Personnel			\$251.20
Match Funded			
Chief Zoologist	3.0	04/26/13	
	4.0	05/10/13	
Zoologist	24.5	05/24/13	
Zoologist	74.0	06/07/13	
Total Match Salary			\$3,885.07
Total Match Benefits			1,133.32
Total Match Personnel			\$5,018.39

\*Match is a requirement of some grant programs, document match if specified in contract.

### **Professional Contributions and Volunteer Hours**

<b>Dates</b>	<b>Name/Title/ Affiliation</b>	<b>Rate</b>	<b>Task</b>	<b>Hours</b>	<b>Total Cost</b>
February, 2013	Allen E. Barlow, Consultant	-\$32.85/hr +\$50.00/hr	Correction of time from previous report; wrong hourly rate applied	32	-\$1,057.20 +\$1,600.00
6/21/13-6/23/13	Joshua S. Rose	\$32.85/hr	RCN Workshop; time and travel	6	\$359.64
6/21/13-6/23/13	Kevin Hemeon	\$32.85/hr	RCN Workshop; time and travel	5	\$438.66
6/21/13-6/23/13	Linda LaPan	\$32.85/hr	RCN Workshop; time and travel	3	\$374.09
6/21/13-6/23/13	Steve Roble	\$32.85/hr	RCN Workshop; time and travel	5	\$842.07
6/21/13-6/23/13	Robert Buchsbaum	\$32.85/hr	RCN Workshop; time and travel	9	\$427.07
6/21/13-6/23/13	Theodore Mack	\$32.85/hr	RCN Workshop; time only	2.5	\$82.13
6/21/13-6/23/13	Michael Gendler	\$32.85/hr	RCN Workshop; time and travel	5	\$252.39
6/21/13-6/23/13	Alison VanKeuren	\$32.85/hr	RCN Workshop; time and travel	5	\$348.44
6/21/13-6/23/13	Lawrence Potter	\$32.85/hr	RCN Workshop; time and travel	6	\$349.65
6/21/13-6/23/13	Bryan Pfeiffer	\$32.85/hr	RCN Workshop; time and travel	5	\$443.36
6/21/13-6/23/13	Annette Oliveira	\$32.85/hr	RCN Workshop; time only	5	\$164.25

**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