

Final Technical Report for Rapid Update to the National Wetlands Inventory for Selected Areas of Intertidal Wetlands in the North Atlantic LCC

Kevin McGuckin and Scott Klopfer
Conservation Management Institute – Virginia Tech
Final Technical Report for WMI Agreement NALCC 2012-5

October 9, 2013

Introduction

The Conservation Management Institute (CMI) at Virginia Tech was contracted by the Wildlife Management Institute (WMI) to complete wetland mapping activities for coastal areas within the North Atlantic Landscape Conservation Cooperative (NALCC). These activities relate to the rapid update of intertidal wetlands within selected 1:24,000 USGS quadrangles in the northeastern United States. These wetlands were to be updated using recent aerial photographs and provided to the NALCC and National Wetlands Inventory (NWI) in an ArcGIS compatible geodatabase.

Project Scope

The project included a total of 162 full and partial quadrangles across the NALCC (Table 1).

Table 1. Number of USGS quadrangles updated, by state.

State	No. of quads
Maine	23
Maryland	12
Massachusetts	64
New Jersey	6
New York	11
Pennsylvania	5
Virginia	41
Total	162

These updates were completed in a manner that would be acceptable for submission to the NWI program as “contributed data.” All work was done in accordance with appropriate FGDC and NWI spatial data standards, including attributes and metadata.

Results

We completed all wetland mapping tasks within the project’s proposed timeline and budget. All updated wetland maps were completed to the standards and protocols required by the NWI

program and verified using the quality assurance and control tools provided by the FWS. These were submitted to, and reviewed by, the NWI Region 5 Coordinator. The final update has been submitted to the NALCC, the University of Massachusetts, and is ready for submission to the NWI program.

NORTH ATLANTIC LANDSCAPE CONSERVATION COOPERATIVE GRANT 2013 PROGRESS REPORT

Quarter: (circle one)

2013 1st

2013 2nd

2013 3rd

2013 4th

Grant Program, Number and Title:

F11AC00223 Mod #3 NALCC 1420

NALCC 2012-5

Rapid Update to the National Wetlands Inventory for Selected Areas of Intertidal Wetlands in the North Atlantic LCC

Organization: Conservation Management Institute at Virginia Tech

Project Leader: Kevin McGuckin

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.

The objective of this project is to provide a rapid update to the NWI in areas where coastal datasets were last updated prior to 2000. These updates will ultimately be provided to the FWS for incorporation into ongoing mapping and modeling efforts in the NALCC.

All project deliverables have been completed and no additional work is planned at this date.

Were planned goals/objectives achieved last quarter?

Yes, final deliverables on the project were sent on 9/26/2013 to the NALCC.

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

Our goal for the most recent quarter was to complete the mapping of all areas and finalize the deliverables. All goals were met.

Difficulties Encountered:

No difficulties were encountered in finishing and submitted the project to the NALCC. However, as of 10/9/2013, the shutdown of the Federal government has delayed submission to the NWI program. We have the dataset ready and can submit it as soon as the program is ready for receipt of the updates.

Activities Anticipated Next Quarter:

N/A

Expected End Date:

N/A

Costs:

Total life to date expenses (include this quarter):

Total Approved Budgeted Funds: \$81,008.00

Are you within the approved budget plan and categories? Yes

Signature:

Date: