

From: [Mike Murray](#)
To: [Michelle Bogardus](#)
Cc: [Britta Muiznieks](#); [Cyndy Holda](#); [Thayer Broili](#)
Subject: Re: Fw: Temperature Study at CHNS
Date: 06/11/2010 12:32 PM

Michelle,

Your approach sounds okay to me. Would it be okay with you for us to tell Larry the following:

"There are plans for completing the data analysis and submitting an article to a peer-reviewed journal. That information would become available for distribution once the publication process is completed."

Mike Murray
Superintendent
Cape Hatteras NS/ Wright Brothers NMem/ Ft. Raleigh NHS
(w) 252-473-2111, ext. 148
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▼ [Michelle Bogardus/CAHA/NPS](#)

**Michelle
Bogardus/CAHA/NPS**

06/11/2010 11:41 AM

To: Mike Murray/CAHA/NPS@NPS
cc: Britta Muiznieks/CAHA/NPS@NPS, Thayer Broili/CAHA/NPS@NPS, Cyndy Holda/CAHA/NPS@NPS
Subject: Re: Fw: Temperature Study at CHNS 

Mike,

Sorry about the delay in response. Britta and I were able to talk with Matthew Godfrey about the temperate study and we went ahead and made some plans.

Essentially, the report that we have submitted to Eastern National is a "final" report for the purposes of the grant. The report fulfills our reporting requirements, but obviously does not delve into data analysis and management conclusions. I think that we should simply define it as "the report." I have no immediate concerns will providing this document to Larry, although I know it is not what he is looking for.

For the statistical analysis, Matthew and I have made plans to start data analysis on Monday of next week. Right now the timeline looks like we should have the data completed by the 1st or 2nd week of July. The plan from there is to write a manuscript about the implications of the results and submit it for publication in a

peer-reviewed journal by August 15th. At this point I think we should refer to this document as the "draft publication." Obviously we would not provide Larry with this information until the publication process was complete (or at least started).

How do you feel about this plan?

Michelle Bogardus
Resource Management

▼ [Mike Murray/CAHA/NPS](#)

**Mike
Murray/CAHA/NPS**

06/03/2010 01:13 PM

To Michelle Bogardus/CAHA/NPS@NPS

cc Britta Muiznieks/CAHA/NPS@NPS

Subject Re: Fw: Temperature Study at CHNS 

Michelle,

Should we consider the report that was provided in earlier messages as "final" (or is it "preliminary" or something else) and provide it to Larry Hardham? I'm okay with that; just want to be sure you are. If you are, then I can have Cyndy send it to him. If we do say it is "preliminary," then we should expect a request for the final report and have the intent to actually finalize it. We could simply call it "the report" without getting into the "final" or "preliminary" issue, recognizing that there is some data analysis that was not addressed in the report. In any case, are there any concerns about us providing the report "as is" to Larry now, or are we waiting for an expected "final report" from Matthew?

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▼ [Michelle Bogardus/CAHA/NPS](#)

**Michelle
Bogardus/CAHA/NPS**

05/31/2010 06:08 AM

To Britta Muiznieks/CAHA/NPS@NPS

cc Mike Murray/CAHA/NPS@NPS

Subject Re: Fw: Temperature Study at CHNS 

Britta,

The report that we submitted this spring fulfills our reporting obligation to Eastern National. However, no statistical analysis has been done on the data collected. Originally, the grant says that we were supposed to have a graduate student from NC State to work with the data along with Matthew Godfrey. At this point we are dependant on Matthew to help us with the data since I neither designed the study nor have a background in bio-stats.

Michelle

▼ Britta Muiznieks/CAHA/NPS

Britta Muiznieks/CAHA/NPS
To Michelle Bogardus/CAHA/NPS@NPS
cc Mike Murray/CAHA/NPS@NPS
05/30/2010 01:32 PM Subject Fw: Temperature Study at CHNS

Michelle-

So where are we on the analysis of the 2008 and 2009 data? In the report it says that data from 2008 and 2009 is still in the process of being analyzed. Are we still waiting on Matthew for help with the analysis?

Britta Muiznieks
Wildlife Biologist
Cape Hatteras National Seashore

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252-475-8348-Cell
252-995-6998-FAX

----- Forwarded by Britta Muiznieks/CAHA/NPS on 05/30/2010 01:31 PM -----

Mike Murray/CAHA/NPS
To Britta Muiznieks/CAHA/NPS@NPS
cc Michelle Bogardus/CAHA/NPS@NPS
05/28/2010 04:39 PM Subject Re: Fw: Temperature Study at CHNS 

He hasn't requested from us yet. If/when he does, we have it (now) at HQ and can respond to him.

Thanks,

0026719

Mike Murray
Superintendent
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▼ [Britta Muiznieks/CAHA/NPS](#)

**Britta
Muiznieks/CAHA/NPS**

To Mike Murray/CAHA/NPS@NPS
cc Michelle Bogardus/CAHA/NPS@NPS

05/28/2010 04:23 PM

Subject Re: Fw: Temperature Study at CHNS 

Mike-

Do you want me to send this report to Larry?

[attachment "2010 Hatchling Sex Ratio Final Report Compact file.pdf" deleted by Mike Murray/CAHA/NPS]

Britta Muiznieks
Wildlife Biologist
Cape Hatteras National Seashore

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252-475-8348-**Cell**
252-995-6998-**FAX**

▼ [Mike Murray/CAHA/NPS](#)

**Mike
Murray/CAHA/NPS**

To Michelle Bogardus/CAHA/NPS@NPS, Britta
Muiznieks/CAHA/NPS@NPS

05/28/2010 04:06 PM

cc
Subject Fw: Temperature Study at CHNS

FYI

Mike Murray
Superintendent

0026720

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----- Forwarded by Mike Murray/CAHA/NPS on 05/28/2010 04:06 PM -----

"Godfrey, Matthew H"
<matt.godfrey@ncwildlife.org>

To Larry Hardham
<hardhead@embarqmail.com>

05/28/2010 03:34 PM

cc Mike Murray <mike_murray@nps.gov>, Bob
Davis <davisrb@embarqmail.com>

Subject RE: Temperature Study at CHNS

Hi Larry,

This project is being spearheaded by NPS, and I don't know when the report will be finalized, but I imagine that NPS would be willing to send you a copy when it is ready.

Matthew

From: Larry Hardham [mailto:hardhead@embarqmail.com]
Sent: Friday, May 28, 2010 9:25 AM
To: Godfrey, Matthew H
Cc: Mike Murray; Bob Davis
Subject: Temperature Study at CHNS

Matthew,

Shown below is a quote from the "Cape Hatteras National Seashore Sea Turtle 2009 Annual Report". Has this report been finalized yet? Please forward a copy to Bob Davis and myself as we are very interested in the results and how the conclusions may be used for sea turtle management at the Seashore..

"Temperature Study

In 2009, a HOBO (temperature reading device) was placed in each nest as a part of ongoing temperature dependent sex determination study. This study

records the incubation temperature for all nests on CAHA to determine the effect of spatial and temporal changes on the sex ratio of developing hatchlings. This was the third and final year that CAHA has operated this study, which was funded by Eastern National in 2007. **A final report will be out early in 2010.**"

Thank you,

Larry