

From: [Mike Murray](#)
To: [Larry Hardham](#)
Cc: pfield@cbuilding.org
Bcc: [Mike Murray](#); [Thayer Broili](#); [Britta Muiznieks](#); [Michelle Baker](#)
Subject: Re: turtle nesting info
Date: 01/19/2009 11:19 AM
Attachments: [Twilight and Sea Turtle Nests at CHNS 97 to 07.xlr](#)
[Turtle Nests by Lay Date.97-08.NPS.pdf](#)

Hi Larry,

Thank you for pulling together this data. I had staff take a look at it and understand that there are some differences between your information and the data the park has. In any case, attached is the park data and a graph showing the break-down in the number of nests by week from 1997 through 2008. In general terms, I think it shows what your data seems to show - that a relatively few turtle nests have occurred in the past 10 years before late May or after August. I'll bring copies of this to the meeting on Tuesday to provide to the subcommittee



Turtle Nests by Lay Date.97-08.NPS.pdf

Mike Murray
Superintendent
Cape Hatteras NS/ Wright Brothers NMem/ Ft. Raleigh NHS
(w) 252-473-2111, ext. 148
(c) 252-216-5520
fax 252-473-2595

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▼ ["Larry Hardham" <hardhead@embarqmail.com>](mailto:hardhead@embarqmail.com)

"Larry Hardham"
<hardhead@embarqmail.com> To <Mike_Murray@nps.gov>
cc
01/12/2009 03:01 PM Subject Re: turtle nesting info

Mike,
Had meant to send you this but had not run across my note to myself to do it. Sorry for the delay.
Thanks,
Larry

----- Original Message -----
From: <Mike_Murray@nps.gov>
To: <hardhead@embarqmail.com>
Sent: Monday, January 12, 2009 12:44 PM

Subject: turtle nesting info

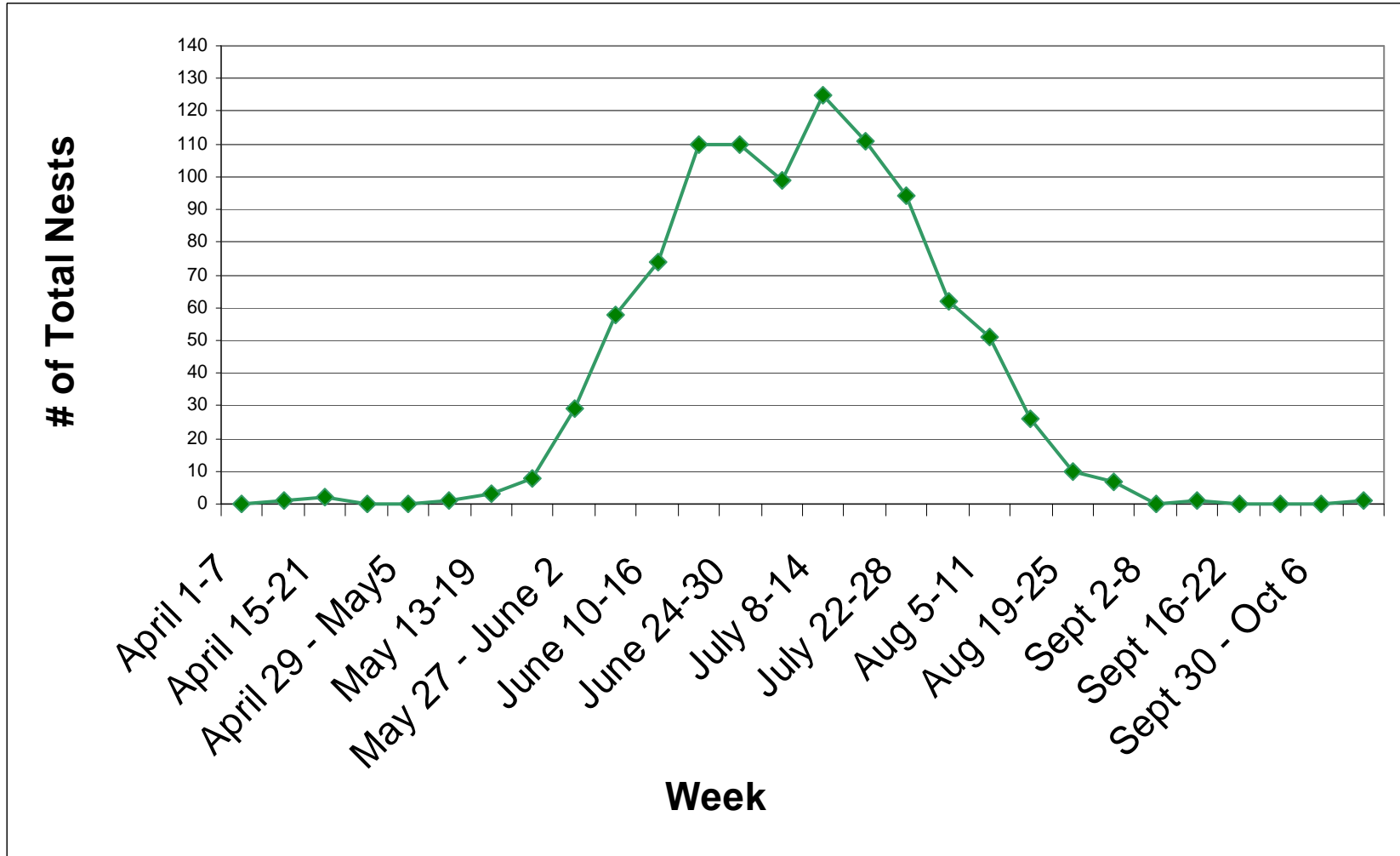
>
> Hi Larry,
>
> If you would please email me the sea turtle nesting
> information you showed
> me at the last meeting (i.e., the spreadsheet showing the
> numbers of nests
> by calendar weeks), then I will get it graphed to share with
> the Natural
> Resource subcommittee. I think the information would help
> illustrate the
> relatively low percentage of nests that are theoretically "at
> risk" prior
> to June and after August.
>
> Thank you,
>
> Mike Murray
> Superintendent
> Cape Hatteras NS/ Wright Brothers NMem/ Ft. Raleigh NHS
> (w) 252-473-2111, ext. 148
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> _____ Information from ESET NOD32 Antivirus, version of
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> signature database 3757 (20090111) _____
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> The message was checked by ESET NOD32 Antivirus.
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Twilight and Sea Turtle Nests at CHNS 97 to 07.xlsx

Natural Resources Subcommittee Sea Turtle Information, January 2009

The below graph indicates the lay dates for the 983 nests laid on CAHA between 1997 and 2008. Nests that did not have known lay dates (i.e. were found only when hatchlings emerged) are not included in these totals. The number of nests by year may differ slightly than what was reported during that time, but these numbers represent the most accurate information known and are reported as such in the 2008 Sea Turtle Annual Report. It is important to note that these numbers are misleading. Prior to 2007, turtle patrols were conducted between May 15 – Sept 1. In some years, patrols did not begin until June 1. Any nests found before the start date or end date of turtle patrol were found by chance (i.e. visitor reporting, staff on the beach, etc.) since no coordinated, scheduled patrols were conducted. It is unknown how many nests were missed during these times. Beginning in 2007, FWS required CAHA to begin patrols May 1 and continue until Sept. 15th in order to reduce the chance of missed nests.



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Table 1. Nests by lay date week and year (1997-2008)

Week	1997	1998	1999	2000	2001 (1 UNK)	2002 (2 UNK)	2003 (1 UNK)	2004	2005	2006	2007	2008 (1 UNK)	TOTAL
April 1-7	0	0	0	0	0	0	0	0	0	0	0	0	0
April 8-14	1	0	0	0	0	0	0	0	0	0	0	0	1
April 15-21	0	0	0	1	0	0	0	0	0	0	1	0	2
April 22-28	0	0	0	0	0	0	0	0	0	0	0	0	0
April 29 - May5	0	0	0	0	0	0	0	0	0	0	0	0	0
May 6-12	0	0	0	0	0	1	0	0	0	0	0	0	1
May 13-19	0	0	0	0	0	0	0	0	0	2	0	1	3
May 20-26	0	1	0	4	0	0	1	2	0	0	0	0	8
May 27 - June 2	1	1	1	4	2	9	2	2	0	2	2	3	29
June 3-9	1	4	8	3	9	6	10	1	1	3	2	10	58
June 10-16	2	8	9	5	8	7	7	3	9	6	1	9	74
June 17-23	5	14	7	8	8	17	11	6	4	8	10	12	110
June 24-30	8	9	10	14	14	10	12	1	5	9	5	13	110
July 1-7	5	11	8	13	5	15	3	6	7	7	11	8	99
July 8-14	15	18	13	9	9	8	11	6	8	8	6	14	125
July 15-21	5	6	11	9	8	5	6	5	11	8	18	19	111
July 22-28	8	12	11	4	1	9	9	5	9	9	9	8	94
July 29 - Aug 4	5	9	4	1	6	8	9	3	5	3	6	3	62
Aug 5-11	7	2	7	5	1	2	2	2	5	5	7	6	51
Aug 12-18	3	2	1	3	1	0	1	1	6	3	3	2	26
Aug 19-25	1	0	0	1	1	0	2	0	0	1	1	3	10
Aug 26 - Sept 1	1	0	1	0	1	0	0	0	3	1	0	0	7
Sept 2-8	0	0	0	0	0	0	0	0	0	0	0	0	0
Sept 9-15	0	0	0	0	0	0	0	0	0	1	0	0	1
Sept 16-22	0	0	0	0	0	0	0	0	0	0	0	0	0
Sept 23-29	0	0	0	0	0	0	0	0	0	0	0	0	0
Sept 30 - Oct 6	0	0	0	0	0	0	0	0	0	0	0	0	0
Oct 7-13	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Nests	68	98	91	84	74	97	86	43	73	76	82	111	983