

#1415  
CAHA

Nowak, April

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**From:** Sandra\_Hamilton@nps.gov  
**Sent:** Tuesday, November 25, 2008 2:13 PM  
**To:** Timothy\_Pinion@nps.gov; Sherri\_Fields@nps.gov; Peter\_Dratch@nps.gov  
**Cc:** Otto, Dana; Fox, Lori; Wetmore, Doug; Van Dyke, Nancy  
**Subject:** Fw: Information for Nat Res Subcom. Call Wed, 11/26 9:30 AM

**Attachments:** CAHA Sea Turtle Data.11.25.08.pdf; Sea Turtle Data.2007.pdf



CAHA Sea Turtle Data.11.25.08....  
Sea Turtle Data.2007.pdf (22 K)

FYI

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----- Forwarded by Sandra Hamilton/DENVER/NPS on 11/25/2008 02:04 PM -----

Mike  
Murray/CAHA/NPS

11/25/2008 04:00  
PM EST

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Subject  
Information for Nat Res Subcom.  
Call Wed, 11/26 9:30 AM(Document  
link: Sandra Hamilton)

All,

Attached is some summary data gleaned from CAHA annual reports and 2008 sea turtle nesting season (nests vs. false crawls, dates when first and last nests were found each year, etc.

(See attached file: CAHA Sea Turtle Data.11.25.08.pdf) (See attached file: Sea Turtle Data.2007.pdf)

During our call tomorrow I'd like to discuss an adaptive management approach to night driving management that may be a reasonable compromise between resource protection (i.e., night driving risk management) and night access.

Concept:

Have baseline night driving restrictions (hours of allowable driving TBD) during turtle nesting season (dates TBD) that apply at most locations open to ORV use. Consider these as "control areas." Still allow pedestrian access, walk-in fishing from parking lots, in villages, etc. in these locations, except in full resource closures. Allow more lenient night driving restrictions (e.g., less restrictive hours) at a few key locations (e.g., important areas for fishing access), and/or allow "night fishing" with parked vehicles on the beach at those locations during the hours of night driving restriction. Ensure users of these locations know the rules through an education program associated with a permit. Monitor the results over time and determine the effects of either approach (#1 and #2) on nesting, false crawls, and hatchling orientation. Make adjustments based on the results. In other words, if the evidence is that the limited night driving at the designated locations is causing significant negative impacts (e.g., increase in false crawls, etc.), then it may have to be more restricted in the future. If the evidence is that the limited night driving is not affecting nesting, false crawls, or hatchling orientation, then it could be continued as is and/or restrictions relaxed in the future. Areas open to restricted night driving and/or stationary vehicles would still be subject to bird closures, as needed.

NPS is open to something like this, but we'll need some help figuring out the details.

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11/21/2008 03:02 PM

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Subject

Nat Resource Subcommittee Call Wed,  
11/26 9:30 AM

ALL

A confirmation for our natural resources subcommittee call on Wednesday, November 26, 9:30 AM to 11 AM. The call in information is:

Dial In #: 866-667-0068

Participant Code #: 6457552#

Please find attached two documents we'll review. One is related to night driving and is a draft we might build from on this issue. The comments in blue to the side are from a NPS biologist from the Southeast Region who is assisting the Park on this issue. The second document is a draft work plan for our subcommittee over the next 6 weeks or so. We'll need to review this for task and times.

Look forward to the call.

PAT

[attachment "CAHANRSubWorkPlanv1.doc" deleted by Mike Murray/CAHA/NPS] [attachment "TurtleNightConceptApproachv1.doc" deleted by Mike Murray/CAHA/NPS]

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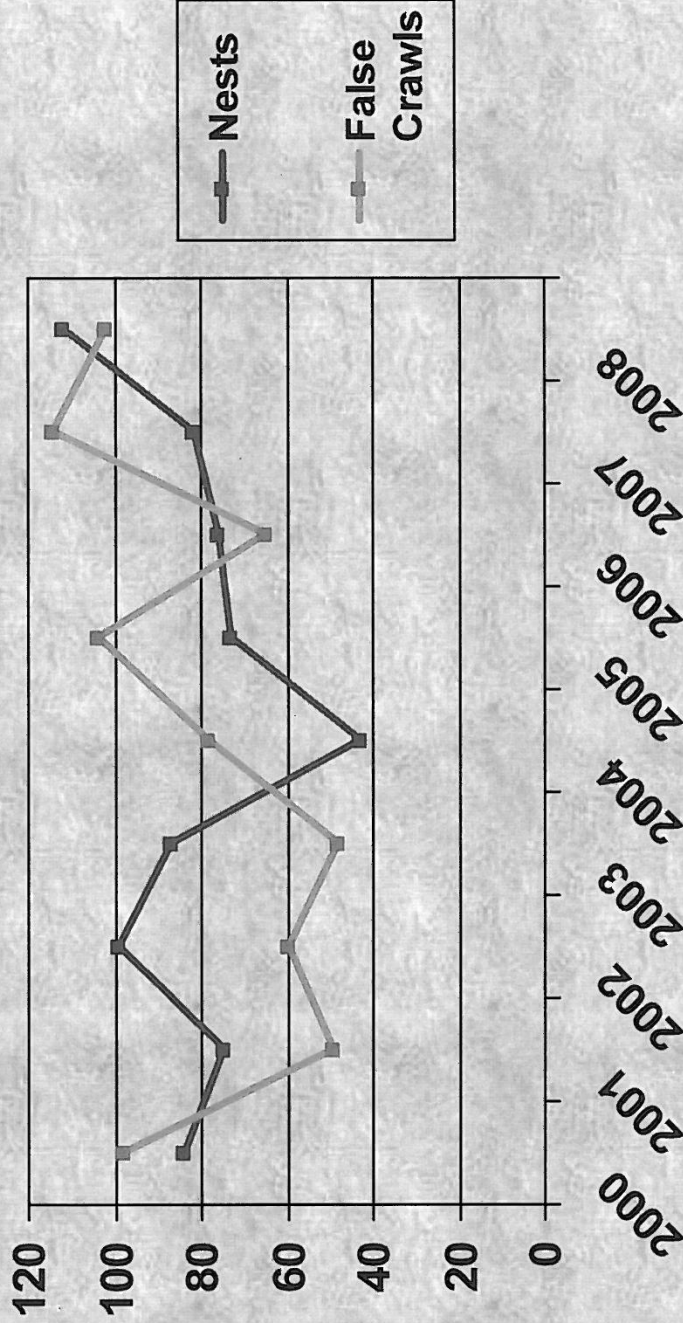
# CAHA Sea Turtle Nests and False Crawls 2000 - 2008



Nine Year Average = 81.2 Nests/yr and 79.9 False Crawls/yr  
False Crawl to Nest Ratio = 0.98 : 1.0



# CAHA Sea Turtle Nests and False Crawls 2000 - 2008



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# National Park Service



## CAHA First and Last Sea Turtle Nest of the Season

Year	First Found Nest of Season	Last Found Nest of Season
1998 <sup>1</sup>	May 26	October 12
1999 <sup>1</sup>	mid-May	August 27
2000 <sup>1</sup>	April 16 <sup>4</sup>	August 24
2001 <sup>1</sup>	May 28	August 26
2002 <sup>1</sup>	May 12	August 7
2003 <sup>1</sup>	May 21	August 21
2004 <sup>1</sup>	May 22	August 17
2006 <sup>2</sup>	May 18	September 11
2007 <sup>3</sup>	April 18 <sup>4</sup>	August 22

<sup>1</sup> Daily patrol Jun 1– Aug 31; <sup>2</sup> Daily patrol May 15–Sept 15; <sup>3</sup> Daily patrol May 1–Sept 15; <sup>4</sup> Leatherback

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## CAHA Sea Turtle Data from 2007 annual report

Table 3. Sea Turtle Hatch Summary 2001-2007

Year	Nests	Avg. Clutch	Ave. Incub. (days)	Eggs	Emerged	EMR %
2001	75	111.7	64.5	6257	3402	54%
2002	99	108.7	58.6	10108	7201	71%
2003	87	115.7	69.1	4627	2708	58%
2004	43	103.4	58.5	2999	1609	53%
2005	73	114.6	58	6072	4142	68%
2006	76	114.8	62.9	7059	4444	63%
2007	82	112.1	60.7	9078	6075	58%

7 Year Average: Nests = 76.4; Avg. Clutch = 111.6 eggs; Eggs = 6,600; Emerged = 4,226; EMR = 64.0%

Figure 4. Nest to False Crawls by Year for CAHA (2000-2007).

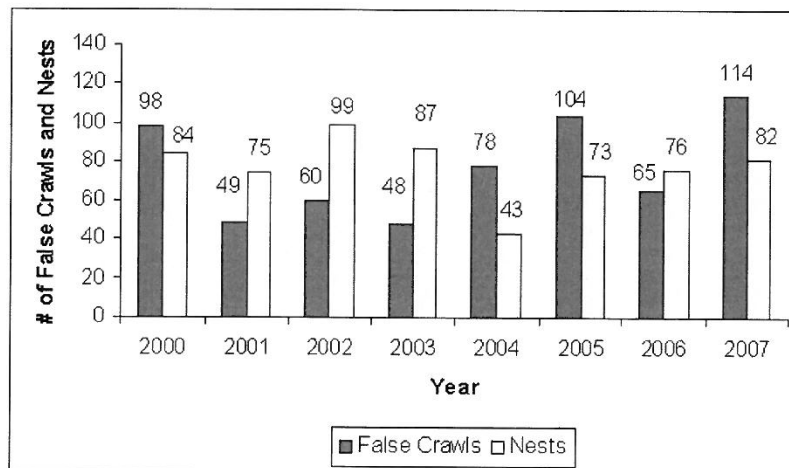


Table 5. False Crawl to Nest Ratios for CAHA (2000-2007)

Year	False Crawls	Nests	Ratio (FC:N)
2000	98	84	1.17 : 1
2001	49	75	0.65 : 1
2002	60	99	0.61 : 1
2003	48	87	0.55 : 1
2004	78	43	1.81 : 1
2005	104	73	1.42 : 1
2006	65	76	0.86 : 1
2007	114	82	1.34 : 1

8 Year Average: False Crawls:Nests = 1.005:1.0