

Smith, Spence

From: Matthew Godfrey [godfrey@coastalnet.com]
Sent: Thursday, October 06, 2005 8:29 PM
To: Smith, Spence
Cc: Karen_Sayles@nps.gov; Otto, Dana
Subject: RE: numbers

Hi Spence,

False-crawls are a big mystery. They are characteristic of all sea turtle species. The ratio of false crawl to nest varies by species and population.

The definitive review of loggerhead sea turtles is the following FWS document by CK Dodd, Jr.:

Dodd, C. K. J. 1988. Synopsis of the Biological Data on the Loggerhead Sea Turtle *Caretta caretta* (Linnaeus 1758). Biological Report 88(14). - US Fish and Wildlife Service, 110 pp. In it, Dodd says that the average ratio of false crawls to nests for loggerheads is 1:1.

Hope this helps.
Matthew

At 11:26 AM 10/6/2005, Smith, Spence wrote:

>Hi Matthew,
>
>My name is Spence Smith and I am the one Karen mentioned from the Louis
>Berger Group working on the sea turtle issue for the National Park
>Service's Interim Species Management Plan EA. Thank you for the data.
>
>Another question that I am trying to get my hands around is what % of
>>false crawls occur naturally. Do you have any data on the number of
>>false crawls vs. successful crawls for undisturbed beaches? Or any
>other data on false crawls that might be useful?
>
>Regards,
>Spence

>
>*****
>Spence H. Smith
>Marine Scientist
>The Louis Berger Group, Inc.
>295 Promenade Street
>Providence, RI 02908
>
>cell: 774-271-0369
>tel: 401-521-5980 ext 27
>fax: 401-331-8956
>email: <<mailto:shsmith@louisberger.com>>shsmith@louisberger.com

>
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>"urn:schemas-microsoft-com:office:office" /> -----Original Message-----
>From: Karen_Sayles@nps.gov [mailto:Karen_Sayles@nps.gov]
>Sent: Thursday, October 06, 2005 10:42 AM
>To: Smith, Spence
>Subject: numbers

>
>Hey Spence,
>
>Hope this will help you out!

>Karen
>-----Forwarded by Karen Sayles/CAHA/NPS on 10/06/2005 10:41AM -----

>
>To: [Karen Sayles@nps.gov](mailto:Karen_Sayles@nps.gov)
>From: Matthew Godfrey <godfrey@coastalnet.com>
>Date: 10/04/2005 10:41AM
>Subject: numbers

>
>
>Hi Karen,
>
>The attached spread sheet has the data. I included loggerheads only,
>because they make up >95% of the nests in NC. If greens and
>leatherbacks were included, it might bump up the CALO and CAHA
>percentages by a point, because nearly all the leatherback nests are laid in CALO/CAHA.
>
>Let me know if you need anything else.
>best,
>Matthew

>=====
>Matthew Godfrey
>Sea Turtle Project
>North Carolina Wildlife Resources Commission
>1507 Ann St.
>Beaufort, NC 28516 USA
>tel: 252-728-1528
>email: godfrey@coastalnet.com

=====
Matthew Godfrey
Sea Turtle Project
North Carolina Wildlife Resources Commission
1507 Ann St.
Beaufort, NC 28516 USA
tel: 252-728-1528

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email: godfrey@coastalnet.com

Smith, Spence

From: Karen_Sayles@nps.gov
Sent: Thursday, October 06, 2005 10:42 AM
To: Smith, Spence
Subject: numbers
Attachments: CAHA-CALO.xls

Hey Spence,

Hope this will help you out!

Karen

-----Forwarded by Karen Sayles/CAHA/NPS on 10/06/2005 10:41AM -----

To: Karen_Sayles@nps.gov
From: Matthew Godfrey <godfrey@coastalnet.com>
Date: 10/04/2005 10:41AM
Subject: numbers

Hi Karen,

The attached spread sheet has the data. I included loggerheads only, because they make up >95% of the nests in NC. If greens and leatherbacks were included, it might bump up the CALO and CAHA percentages by a point, because nearly all the leatherback nests are laid in CALO/CAHA.

Let me know if you need anything else.
best,
Matthew

=====
Matthew Godfrey
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email: godfrey@coastalnet.com

Percentage of nests in CALO and CAHA, relative to all of NC.

LOGGERHEAD NESTS ONLY *(CALO and CAHA have nearly all leatherback nests observed in NC)*

Season	NC total	CALO total	CAHA total	%CALO	%CAHA	%CAHA+CALO
1995	662	119	69	0.179758	0.10423	0.283988
1996	776	94	39	0.121134	0.050258	0.171392
1997	568	124	39	0.21831	0.068662	0.286972
1998	847	193	92	0.227863	0.108619	0.336482
1999	1140	242	91	0.212281	0.079825	0.292105
2000	757	187	83	0.247028	0.109643	0.356671
2001	659	119	72	0.180577	0.109256	0.289833
2002	694	120	98	0.172911	0.14121	0.314121
2003	863	161	84	0.186559	0.097335	0.283893
2004	344	74	49	0.215116	0.142442	0.357558