SEA TURTLE INVENTORY

for

SUMMER AND FALL 1986

NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION
ASSISTANT CHIEF OF STAFF, FACILITIES
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542

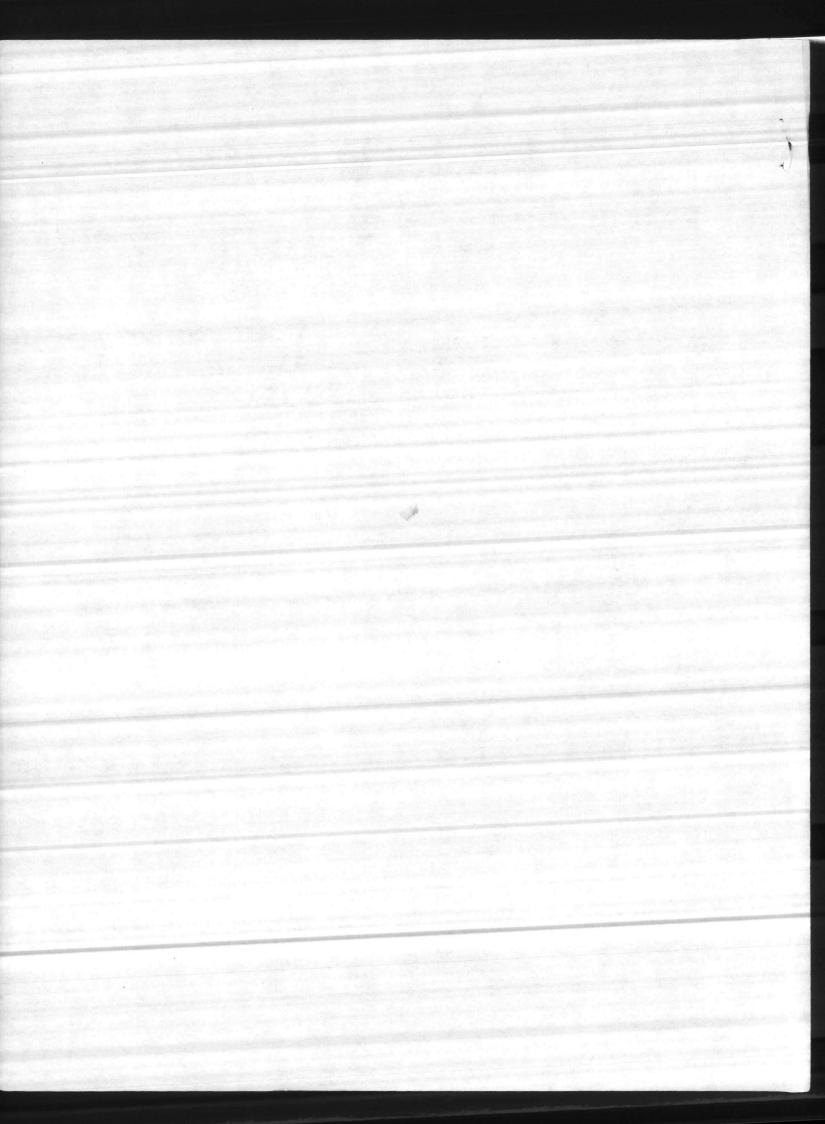
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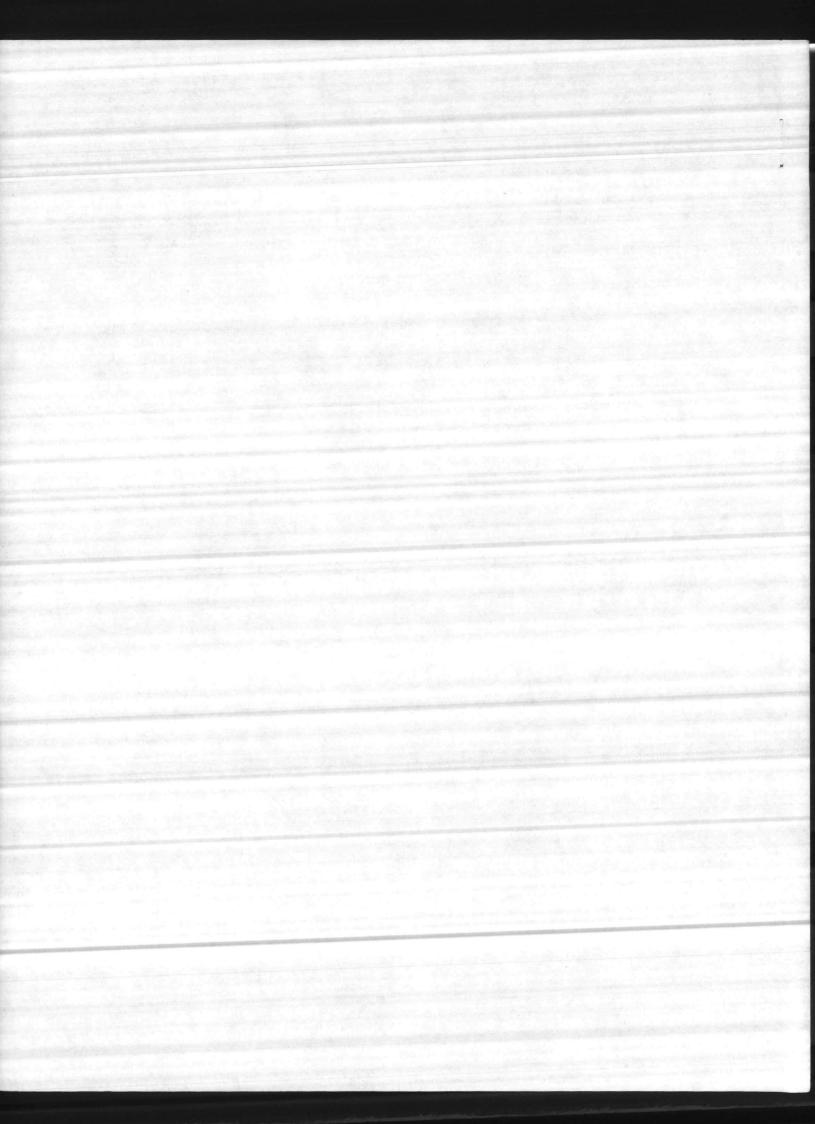
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#### INTRODUCTION

The sea turtle inventory for 1986 is a continuation of past efforts by Natural Resources and Environmental Affairs Division, Assistant Chief of Staff, Facilities, Marine Corps Base, Camp Lejeune, North Carolina, to protect sea turtle nesting activities at Onslow Beach. The sea turtle inventory consists of several programs including: nest protection, tagging of adult turtles, collecting nesting data, determining hatching success and aerial surveys.

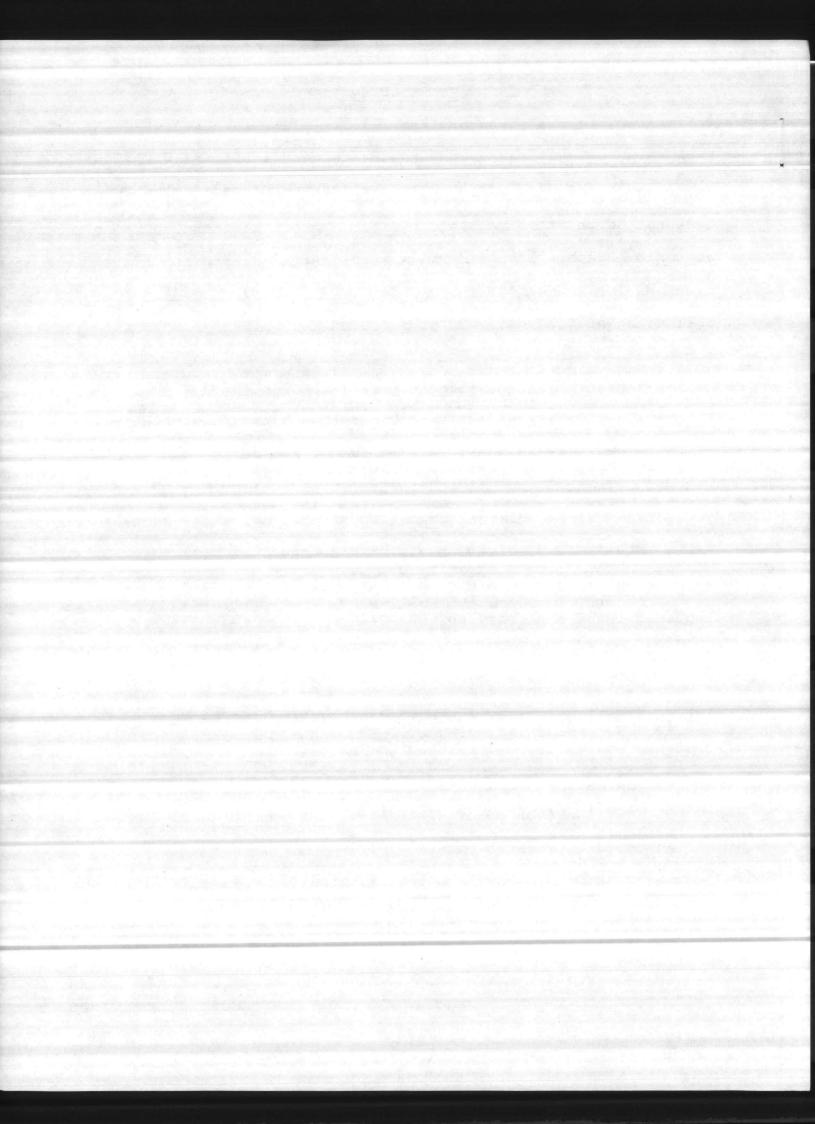
Management personnel began operating under a Federal Fish and Wildlife Permit during 1981, issued for working with threatened Loggerhead and Green Turtles. The permit authorizes the tagging and measurement of adults and the relocation of nests threatened by erosion, tides, extreme predation or military training activities. Nests may be moved only within 24 hours of egg laying to a safe beach location and not to a laboratory. Relocated nests are required to be monitored and hatchling success documented.

The results of the sea turtle program are as follows:

- a. Nest protection from predators, 32.
- b. Tagging of adults number of turtles tagged 12.

Tag return data may be reviewed in Table II

- c. Nesting data Number of nests 32.
- d. Total number of crawls 116.
- e. Total number of eggs  $-\frac{3801}{}$ .
- f. Total number of eggs lost to predators prior to discovery of nest 39.
- g. Total number of hatchlings that emerged or were released from nests -2954.
  - h. Total of turtles dead in nest 13.



- i. Number of tag returns 24.
- j. Number of stranded turtles 1.

Only 1 stranding occurred and a stranding report was submitted to the North Carolina Wildlife Resources Stranding Network Coordinator. The carcass of the stranded turtle was buried on the beach.

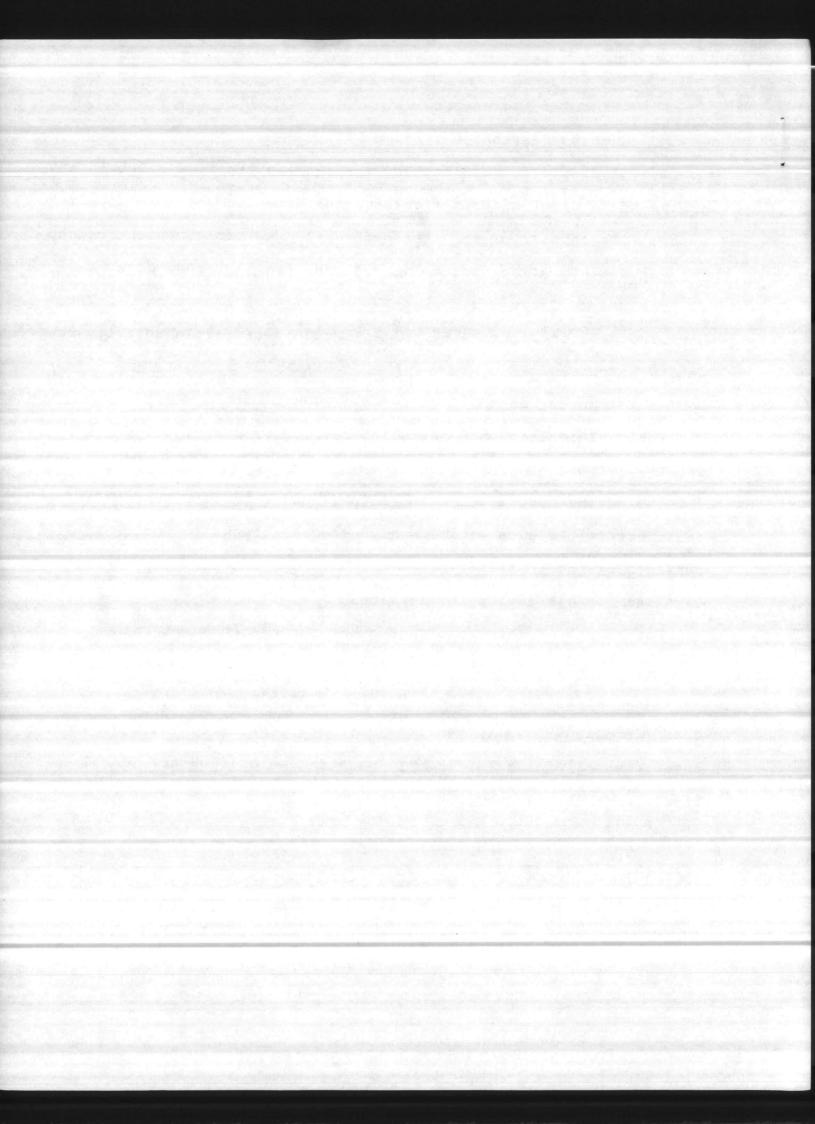
Percent hatchling success is 77%; nesting and crawl data is complied in Tables I through IV, and Figures 1 through 3. The enclosed maps in Figure 4 indicate locations of turtle activity on Onslow Beach.

Aerial survey data may be found in Table  $\underline{V}$ .

Table VI contains the hatchling results of individual nests for the season.

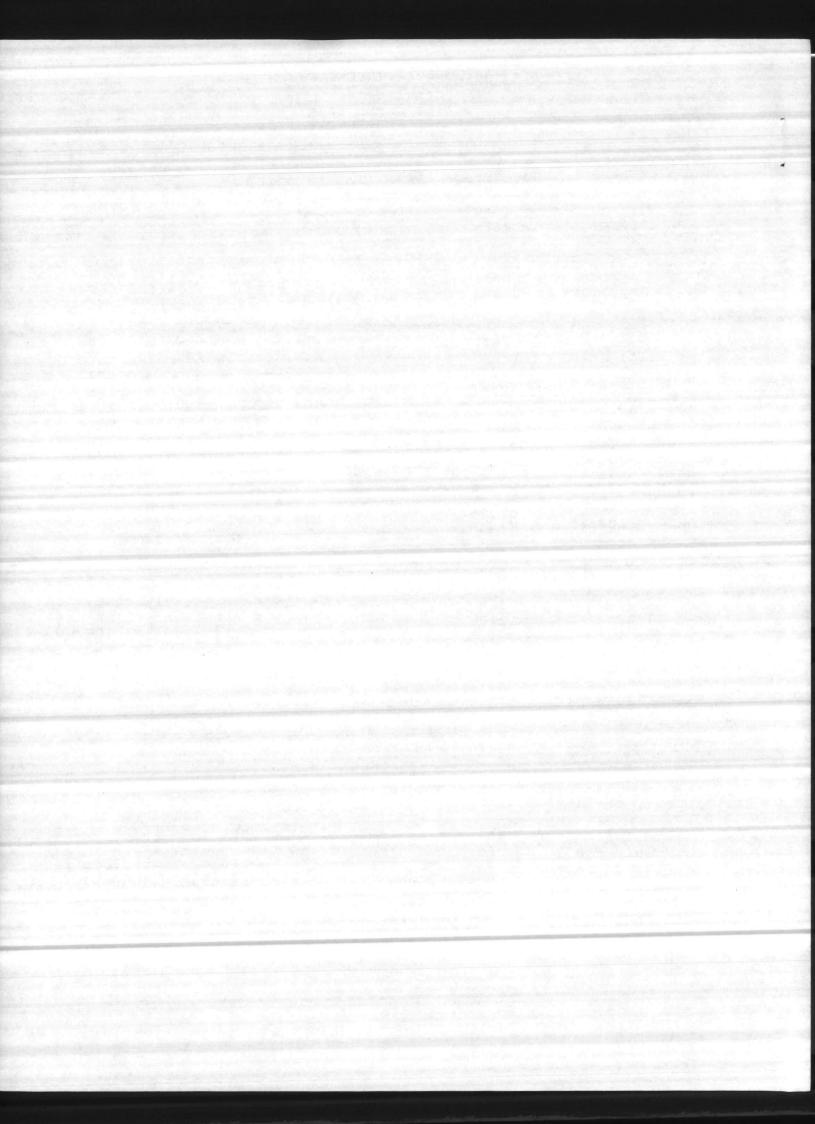
The Marine Corps Base, Camp Lejeune and Natural Resources and Environmental Affairs Division give special thanks to Doctor F. J. Schwartz at the Institute of Marine Science, Morehead City, North Carolina for his advice and services.

For copies of this report or other information concerning the sea turtle management program conducted by this agency, contact: Commanding General, Marine Corps Base, Camp Lejeune, North Carolina 28542 (Attention: Director, Natural Resources and Environmental Affairs Division, Assistant Chief of Staff, Facilities).



Crawl No.	Date	Time Crawl Occurred	Active Nest ( )	Location *	Comments
01	5/26/86	Est. 0328		0.3 M.N.R.P.	Turtle comp. nest chamber, no eggs present
02	5/27/86	Est. 0100		1.2 M.S.R.P.	Turtle made con- siderable crawl or beach, No Nest
03	5/28/86	Est. 1114		2.7 M.S.R.P.	Body pit, partial cavity, No Nest
04	5/31/86	Est. 0230	ll8 eggs	2.7 M.S.R.P.	6/9/86 Moved to 2.0 M.S.R.P. 1 Broken egg
05	5/31/86	Est. 0230	120 eggs	2.5 M.N.R.P.	
06	6/04/86	Est. 0530		2.6 M.S.R.P	No Nest
07	6/04/86	Est. 0530		2.1 M.S.R.P.	No Nest
08	6/06/86	Est. 1230		1.9 M.N.R.P.	Turtle comp. nest chamber, no nest, traveled 100 yd.
09	6/08/86	Est. 0730	90 eggs	0.6 M.S.R.P.	Moved nest 45 ft. out of water, on 9/86 moved to .6 N.R.P.
10	6/10/86	Est. 0830	52 eggs	1.9 M.N.R.P.	

<sup>\*</sup> Location measured to nearest tenth of mile to the north or south of Risely Pier. Record known or estimated time when crawl was thought to have occurred. Conduct nightly surveys 2100-0500 during scheduled irregular hours or 0800-1630 during regularly scheduled hours when tide is low. Traverse the beach by four-wheel-drive vehicle above the high tide line to avoid stranding the vehicle.

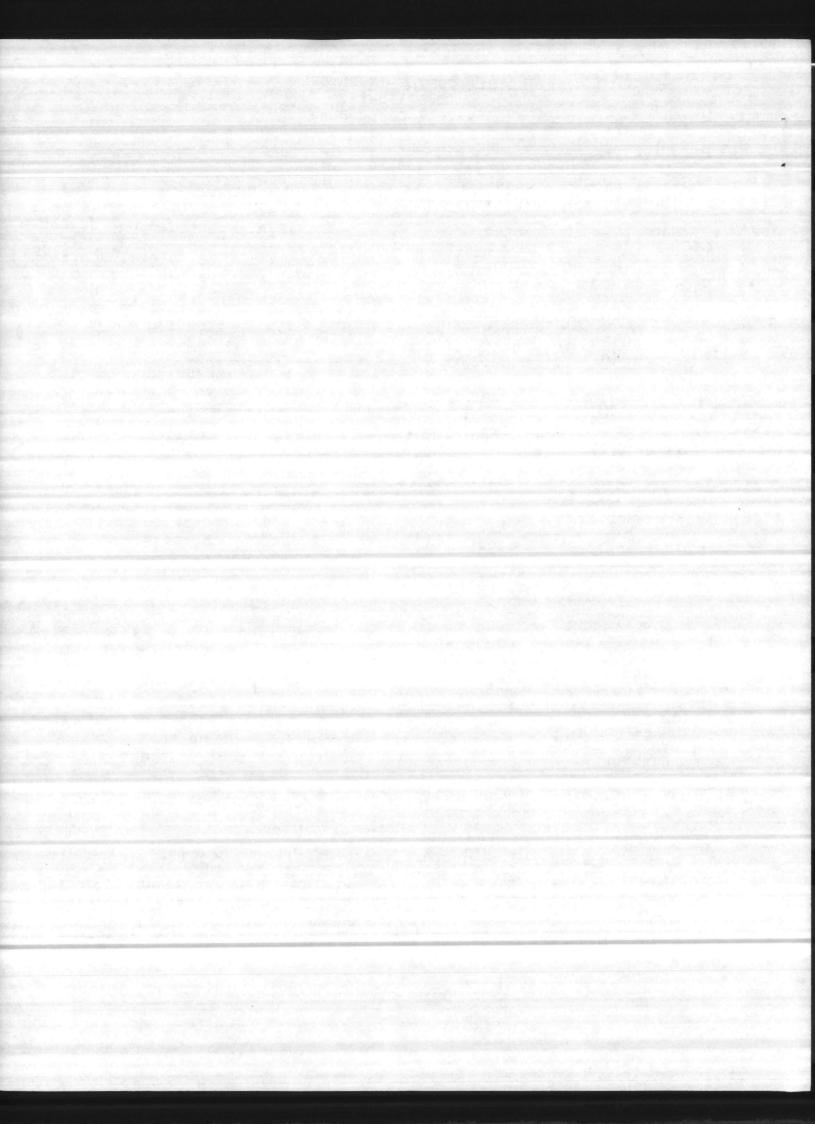


### SEA-TURTLE INVENTORY (Crawl Data) Marine Corps Base

Camp Lejeune, North Carolina

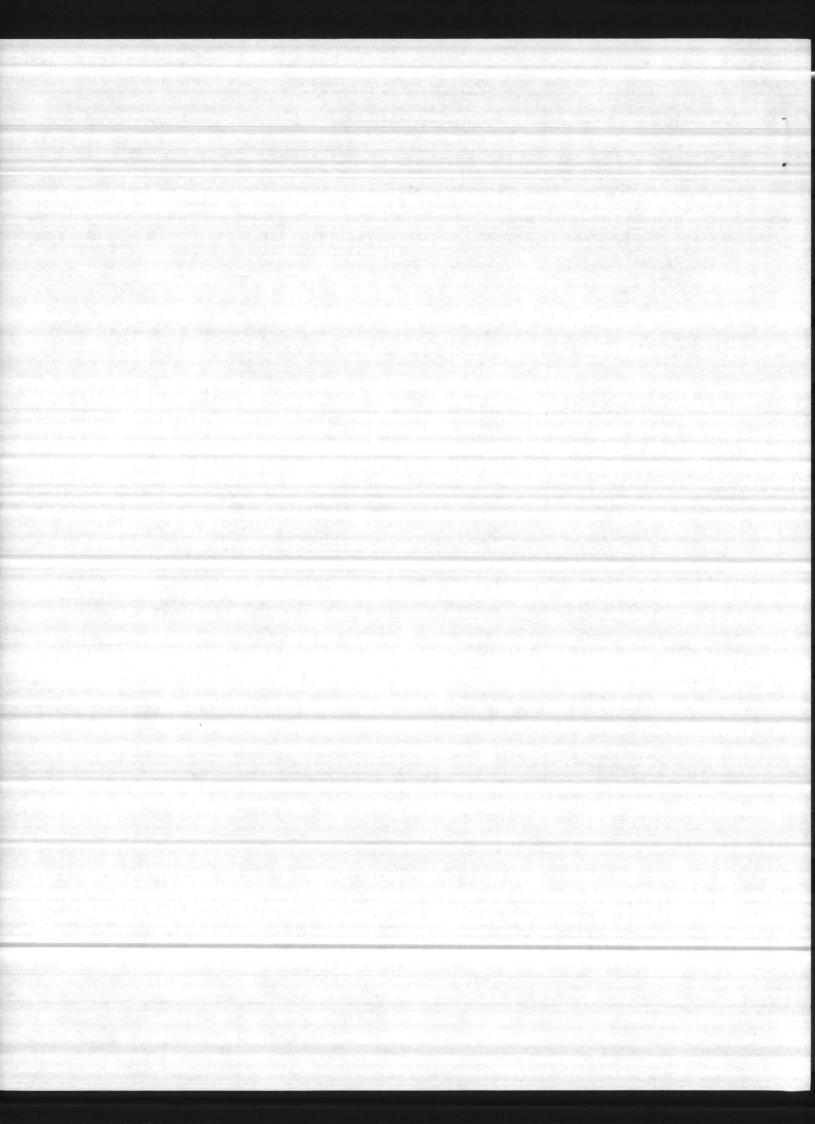
Crawl No.	Date	Time Crawl Occurred	Active Nest ( )	Location *	Comments
11	6/10/86	Est. 0830	A 1 Ph	1.9 M.N.R.P.	Turtle started hole but did not finish.
12	6/07/86	1400- 1500		3.4 M.N.R.P.	Col Stokes saw crawl on Sat. Tag and watch in 60 days
13	6/10/86	Est. 0830		4.3 M.N.R.P.	Crawled about 100 yds., no nest
14	6/10/86	2330		2.0 M.N.R.P.	Crawled about 100 yds., no nest
15	6/11/86	Est. 0200		0.8 M.N.R.P.	Crawled about 50 yds no nest
16	6/11/86	Est. 0200		0.5 M.N.R.P.	Crawled about 100 yds., no nest
17	6/13/86	Est. 0300	M. Budy Kong Stranger	1.0 M.S.R.P.	Crawled about 58 ft no nest
18	6/13/86	Est. 0300		1.2 M.S.R.P.	Crawled about 18 ft no nest
19	6/13/86	Est. 0300		1.4 M.S.R.P.	Crawled about 28 ft Body pit, no nest
20	6/14/86	0030	132 eggs	1.5 M.N.R.P.	Moved nest to 2.7 M.N.R.P.
21	6/14/86	Est.		1.0 M.S.R.P.	Crawled about 18 yds
22	6/14/86	Est.		1.8 M.S.R.P.	No nest

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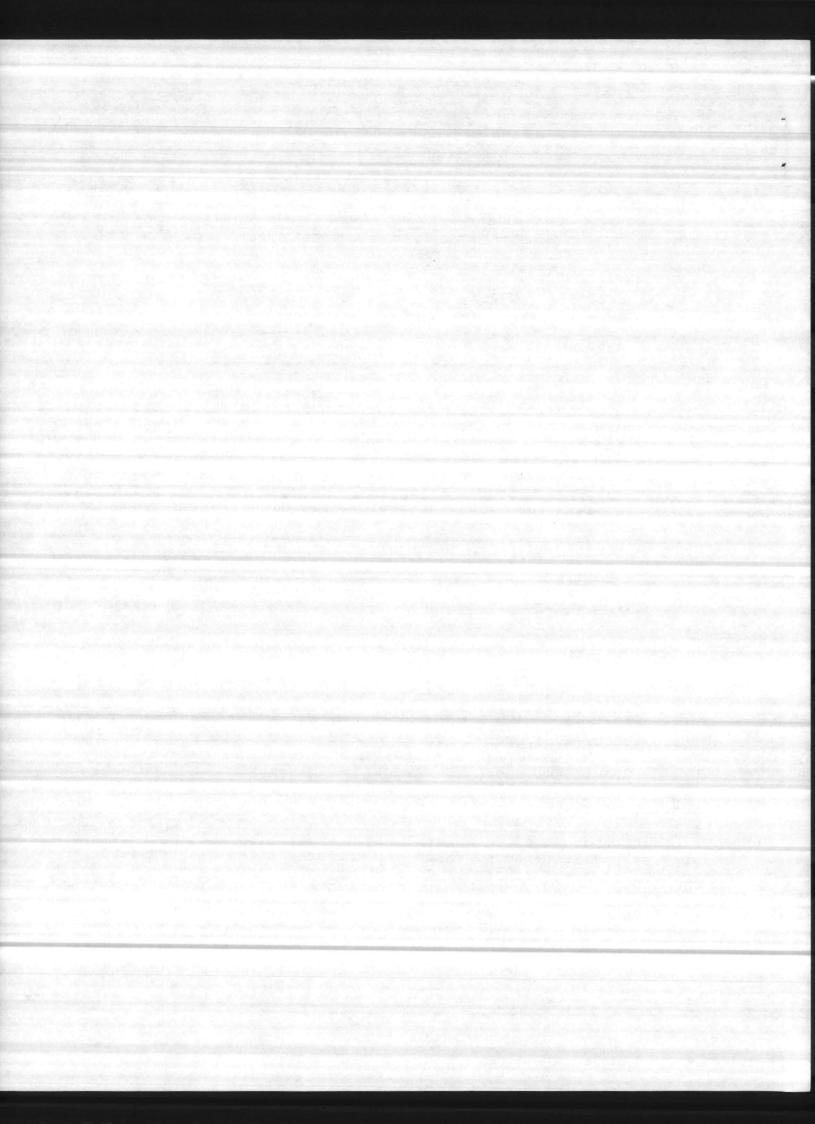
Crawl No.	Date	Time Crawl Occurred	Active Nest ( )	Location *	Comments
23	6/16/86	0130	102 eggs	0.4 M.N.R.P.	
24	6/16/86	0200		2.4 M.N.R.P.	No nest
25	6/16/86	0200		3.2 M.N.R.P.	No nest
26	6/19/86	2345		0.5 M.N.R.P.	Turtle dug 3 holes but did not lay, Tag AAR 099/100
27	6/20/86	0400	128 eggs	1.8 M.N.R.P.	Moved to 2.7 M.N.R.P., Tag AAR 171/172
28	6/20/86	0600		3.5 M.N.R.P.	Small Turtle
29	6/21/86	2300		2.8 M.S.R.P.	Tested ground, dug l hole Tag AAR 173/17
30	6/23/86	0300		4.2 M.N.R.P.	No nest
31	6/27/86	0215	146 eggs	2.0 M.N.R.P.	Moved to 2.9 M.N.R.P. Tag AAR 059/060
32	6/27/86	0230		1.4 M.N.R.P.	No nest
33	6/27/86	0230		2.1 M.N.R.P.	No nest

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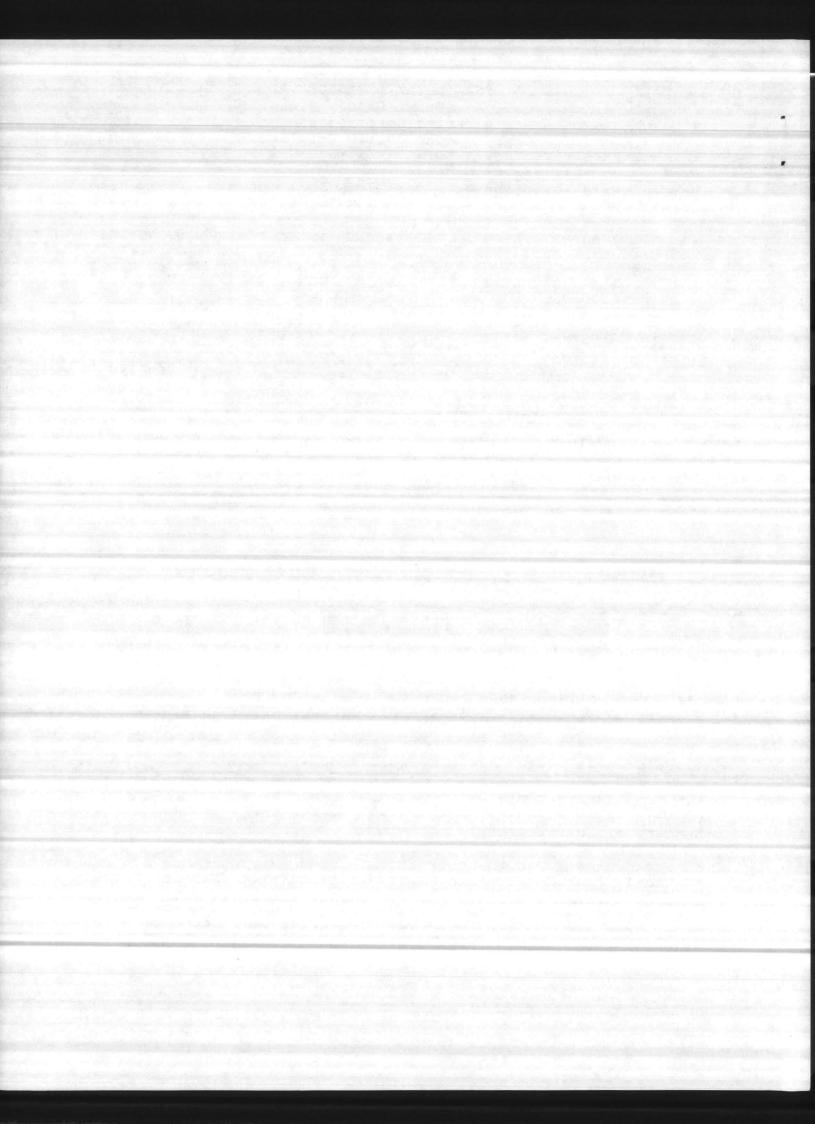
Crawl No.	T: Date	ime Crawl Occurred	Active Nest ( )	Location *	Comments
34	6/27/86	0240		0.7 M.S.R.P.	Dug hole did not lay, no nest
35	6/27/86	0245		0.8 M.S.R.P.	Dunes real steep, no nest
36	6/27/86	0245		2.3 M.S.R.P.	No nest
37	6/27/86	0300		2.4 M.S.R.P.	No nest
38	6/28/86	0900	124 eggs	4.4 M.N.R.P.	Moved to 2.7 M.N.R.P.
39	6/28/86	0900	126 eggs	4.5 M.N.R.P.	Moved to 2.7 M.N.R.P.
40	6/28/86	2330	114 eggs	0.1 M.N.R.P.	Moved to 0.6 M.N.R.P.
41	6/29/86	0100	119 eggs	2.5 M.N.R.P.	Moved to 2.7 M.N.R.P. Tag AAR 177/178
42	6/29/86	0300	147 eggs	0.9 M.N.R.P.	Moved to 0.6 M.N.R.P., Tag AAR 149/150
43	7/02/86	Est. 0930		2.0 M.N.R.P.	Failed to lay Tag AAR 099/100
44	7/02/86	0945		2.3 M.S.R.P.	No nest

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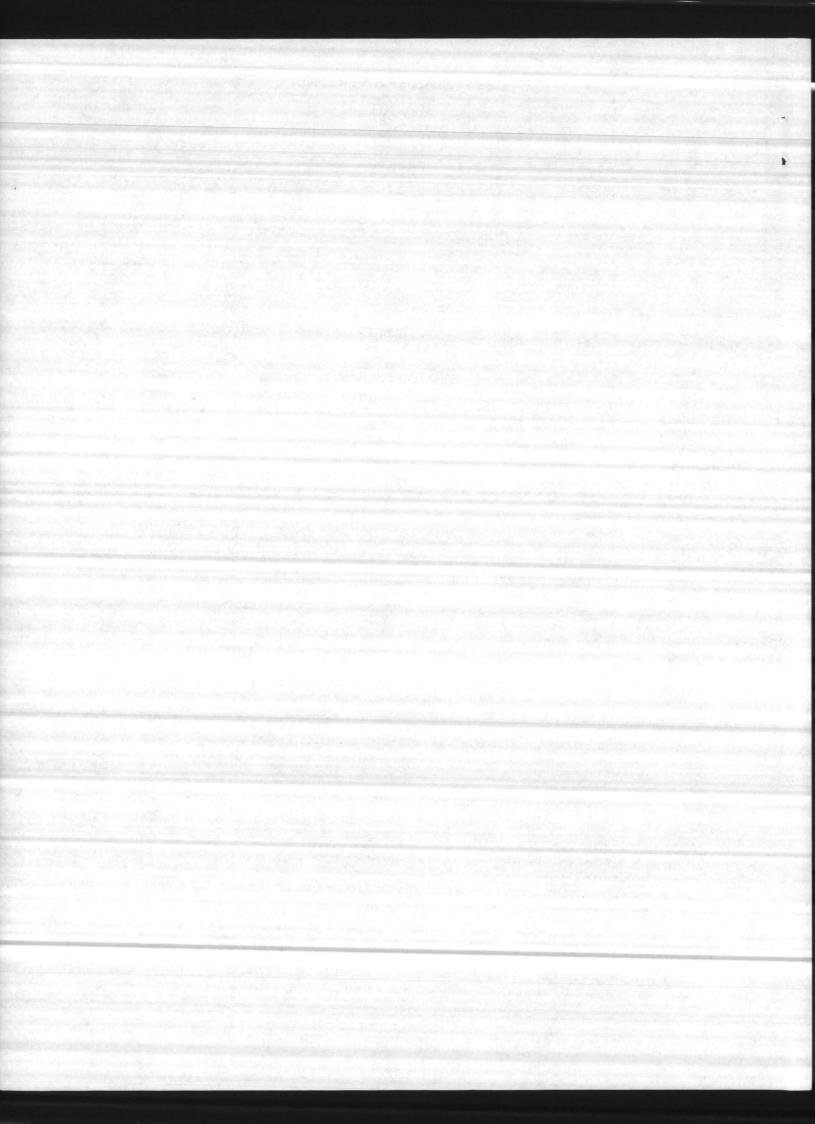
Crawl No.	Ti Date	me Crawl Occurred	Active Nest ( )	Location *	Comments
45	7/03/86	0300	123 eggs	2.2 M.N.R.P.	Tag AAR 175/176
46	7/03/86	2215		2.3 M.S.R.P.	No nest Tag AAR 099/100
47	7/03/86	2230		0.8 M.N.R.P.	No nest
48	7/03/86	2345		1.6 M.S.R.P.	Failed to lay Tag AAR 099/100
49	7/04/86	0130		0.3 M.N.R.P.	Failed to lay Tag AAR 171/172
50	7/04/86	0200	105 eggs	1.4 M.S.R.P.	Moved to 0.6 M.N.R.P. Tag AAR 099/100
51	7/04/86	0300		2.9 M.S.R.P.	No nest
52	7/05/86	Est. 0530		0.4 M.S.R.P.	No nest
53	7/05/86	Est. 0530		3.1 M.N.R.P.	No nest
54	7/05/86	Est. 0900		0.6 M.S.R.P.	No nest
55	7/06/86	Est. 0330	168 eggs	3.1 M.N.R.P.	Moved to 2.7 M.N.R.P.
56	7/06/86	Est. 1930		2.4 M.S.R.P.	Dug hole Didn't lay

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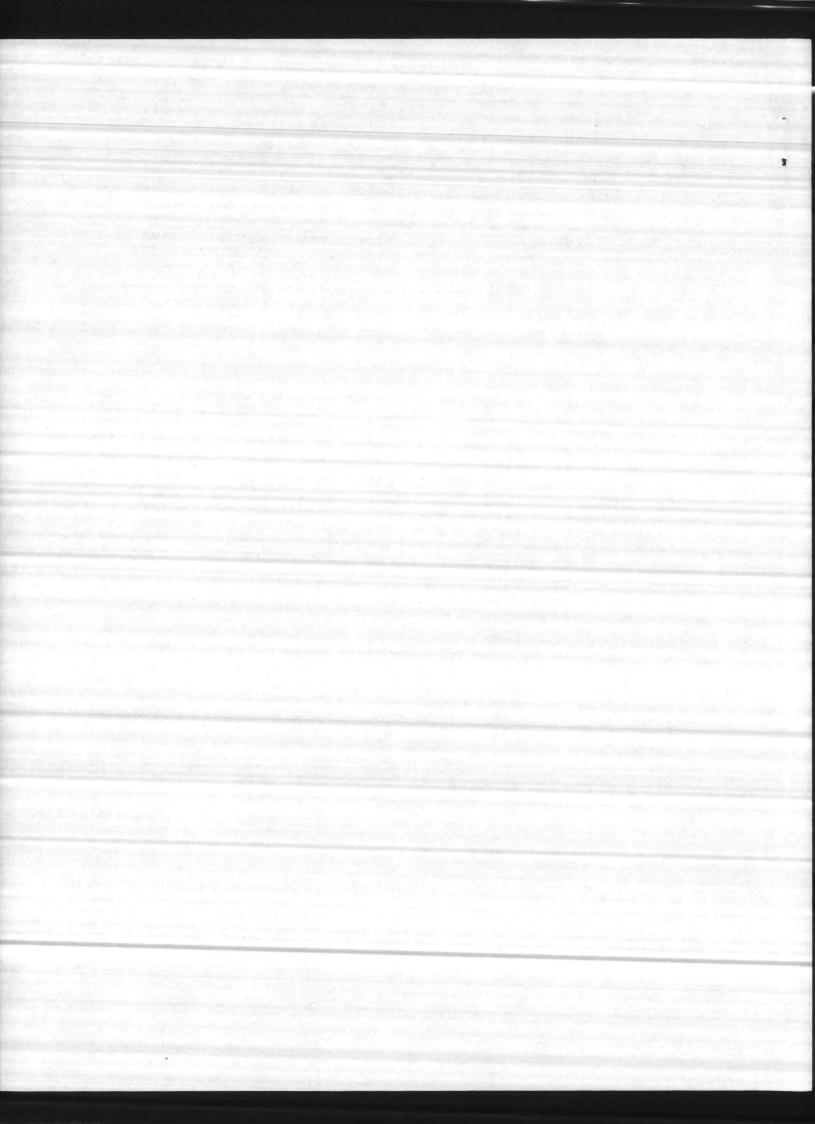
Crawl No.		me Crawl Occurred	Active Nest ( )	Location *	Comments
57	7/07/86	2200		0.3 M.S.R.P.	No nest
58	7/07/86	2230		1.3 M.S.R.P.	Hole dug, no nest
59	7/07/86	0030	153 eggs	2.6 M.S.R.P.	Moved to 2.7 M.N.R.F., Tag AAR 179/180
60	7/07/86	2400	133 eggs	3.2 M.N.R.P.	Moved to 2.7 M.N.R.P.
61	7/07/86	Est. 0100		3.3 M.N.R.P.	No nest
62	7/08/86	2400	152 eggs	0.2 M.N.R.P.	Moved from 2.4 M.S.R.P., Tag AAR 115/116
63	7/08/86	0330		3.2 M.N.R.P.	Turtle was observed, no nest, Tag AAR 181/182
64	7/08/86	Est. 0045		3.1 M.N.R.P.	No nest
65	7/10/86	Est. 0300		3.4 M.N.R.P.	No nest
66	7/10/86	Est. 0300		2.7 M.N.R.P.	No nest
67	7/10/86	0200		2.5 M.S.R.P.	FC, tried to dig nest, Return tag AAR 051/052

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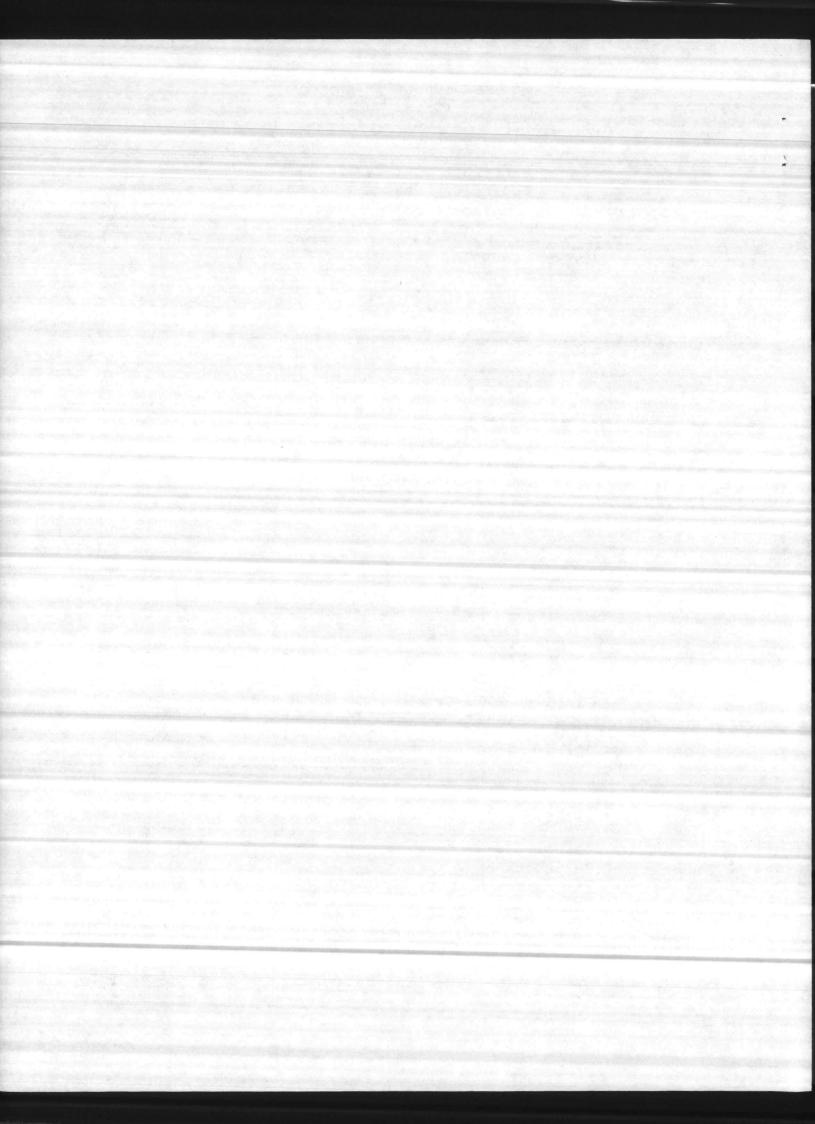
Crawl No.	T: Date	ime Crawl Occurred		Location *	Comments
68	7/10/86	0330	101 eggs	1.6 M.N.R.P.	IMS Tag #747
69	7/10/86	Est. 0300		2.7 M.N.R.P.	Crawled to dunes, no nest
70	7/10/86	0400		2.9 M.N.R.P.	Crawled 1/2 way to dunes, no nest
71	7/10/86	Est. 0400		3.2 M.N.R.P.	Crawled behind lst row of dunes no nest
72	7/10/86	Est. 0300		3.6 M.N.R.P.	Crawled to dune: No nest
73	7/10/86	Est. 0400		3.7 M.N.R.P.	Crawled behind 1st row of dune No nest
74	7/10/86	Est. 0500		3.8 M.N.R.P.	Crawled to dune no nest
75	7/11/86	Est. 0300		1.6 M.S.R.P.	False Crawl, No nest
76	7/14/86	Est. 2400	AMERICAN CONTRACTOR	0.8 M.S.R.P.	False Crawl, No nest
77	7/15/86	0130	84 eggs	0.2 M.N.R.P.	Moved to 0.2 M.N.R.P., Tag AAR 171/172
78	7/15/86	0230		1.6 M.S.R.P.	Dug l hole, failed to lay Tag AAR 099/100

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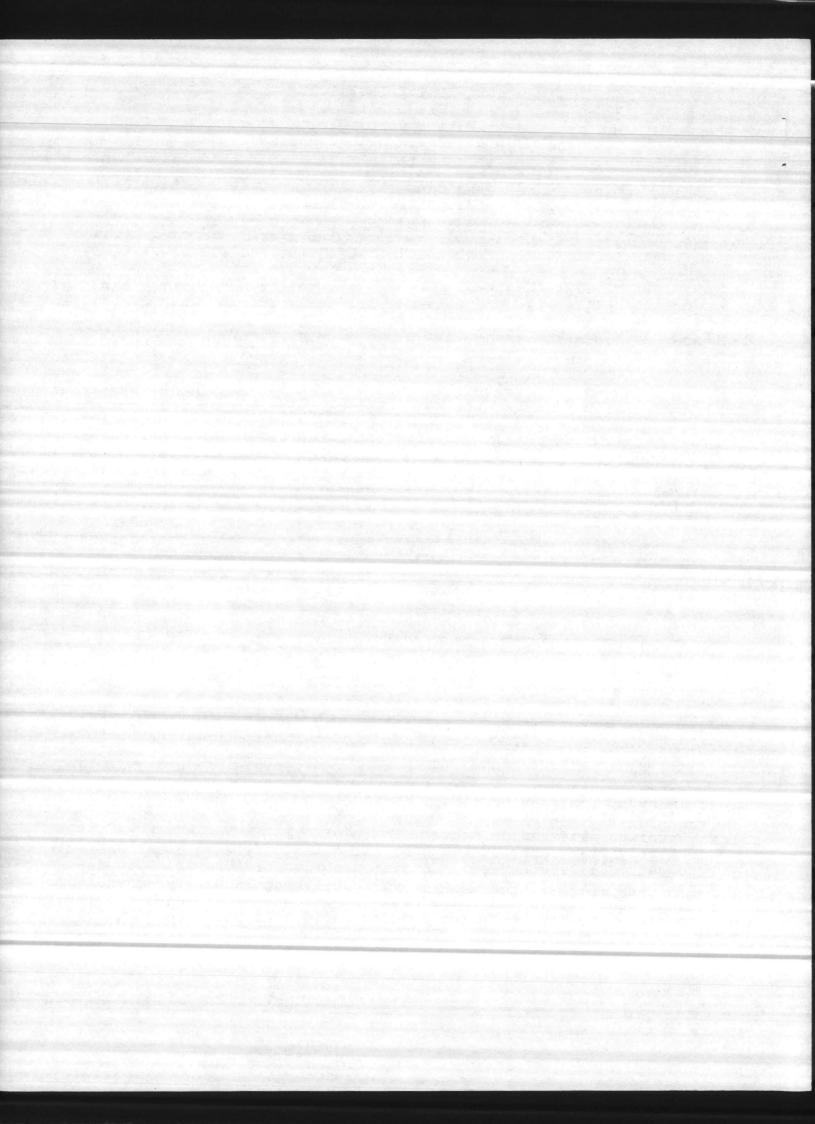
Crawl No.	Ti Date	ime Crawl Occurred	Active Nest ( )	Location *	Comments
79	7/15/86	0400	81 eggs	3.3 M.N.R.P.	Relocated to 3.2 M.N.R.P., 38 eggs lost to predators
80	7/16/86	0100		1.6 M.S.R.P.	False Crawl Tag AAR 173/174
81	7/16/86	0300	134 eggs	3.2 M.N.R.P.	Nest laid at 3.2 M.N.R.P.
82	7/16/86	2345		0.3 M.N.R.P.	False Crawl Tag AAR 173/174
83	7/17/86	0130	123 eggs	2.1 M.N.R.P.	Laid at 1.4 M.S.R.P. Tag AAR 183/184
84	7/17/86	0145	106 eggs	0.1 M.N.R.P.	Laid at 0.4 M.S.R.P., Tag AAR 173/174
85	7/18/86	0330	133 eggs	3.1 M.N.R.P.	Nest found at 3.5 M.N.R.P.
86	7/21/86	0500		3.9 M.N.R.P.	No nest
87	7/22/86	2200		0.5 M.N.R.P.	No nest
88	7/23/86	2130		3.0 M.N.R.P.	No nest
89	7/23/86	2345		0.6 M.N.R.P.	Tag - Marine Resources, Morehead City, No Nest

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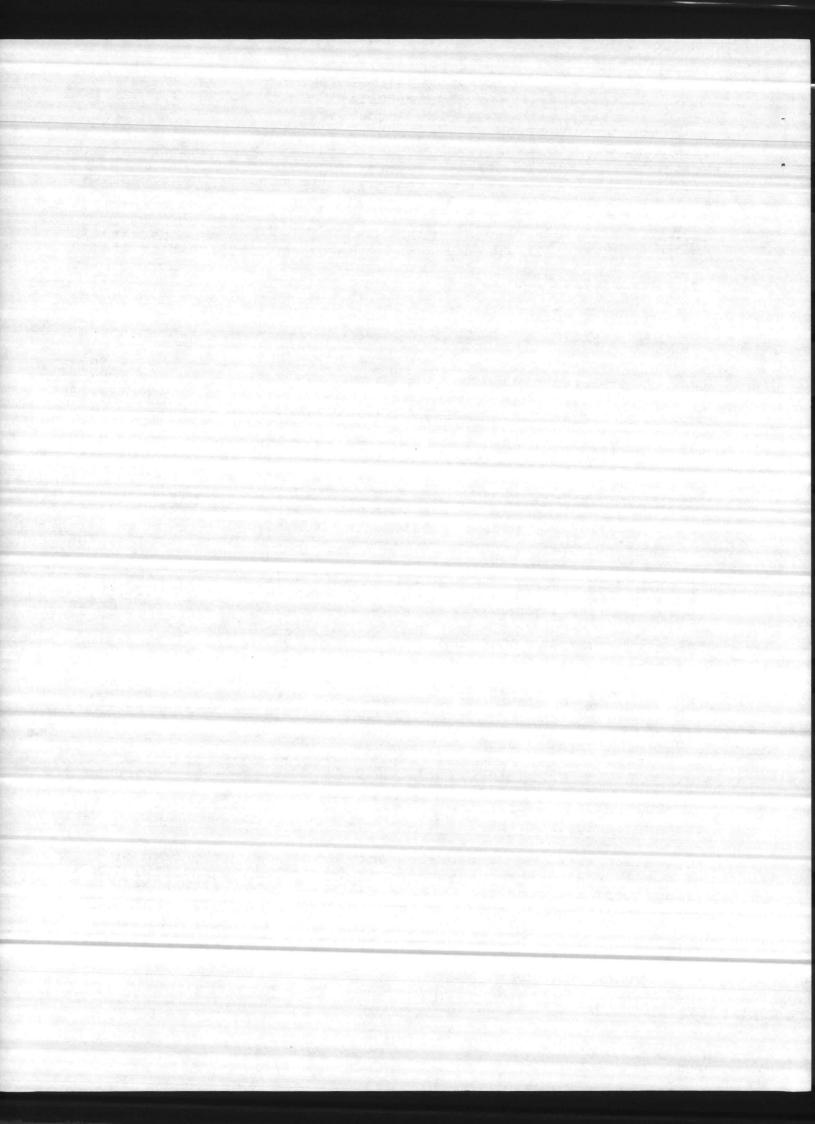
Crawl No.	Date	ime Crawl Occurred		Location *	Comments
90	7/24/86	2245	Augustus et est a	1.6 M.N.R.P.	No nest
91	7/24/86	2315		1.4 M.S.R.P.	Crawl, No nest Tag AAR 185/186
92	7/25/86	0300		2.0 M.S.R.P.	No nest
93	7/25/86	0310		0.8 M.S.R.P.	No nest
94	7/25/86	0615	89 eggs	3.2 M.N.R.P.	84 eggs/nest relocated to 3.2 M.N.R.P. from 3.5 M.N.R.P
95	7/25/86	0600		3.6 M.N.R.P.	No nest
96	7/25/86	2100		2.0 M.S.R.P.	No nest
97	7/25/86	2130		2.1 M.S.R.P.	No nest
98	7/26/86	0100		2.3 M.N.R.P.	No nest Tag AAR 187/188
99	7/26/86	0200		2.3 M.N.R.P.	No nest Tag AAR 171/172
100	7/27/86	0100		2.3 M.N.R.P.	No nest Tag AAR 065

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		Active Nest ( )	Location *	Comments
7/27/86	0100		3.9 M.N.R.P.	No nest
7/27/86	0100		4.0 M.N.R.P.	No nest
7/27/86	0100	104 eggs	3.5 M.N.R.P.	Moved to 2.7 M.N.R.P.
7/28/86	0050	115 eggs	0.8 M.S.R.P.	Moved to 0.6 M.N.R.P., Tag AAR 189/190
7/28/86	0013		3.7 M.N.R.P.	FC/didn't make it to dunes Stopped 20 yds away
7/29/86	0300	135 eggs	2.1 M.N.R.P.	Relocated in dunes 2.1 NRP Tag AAR 059/060
7/30/86	0200		4.4 M.N.R.P.	Crawl 150 yds., no nest
8/02/86	0330		1.9 M.S.R.P.	No nest
8/02/86	0300		0.8 M.S.R.P.	No nest
8/02/86	0315		1.7 M.S.R.P.	No nest
8/04/86	2200	132 eggs	0.7 M.N.R.P.	Moved to 0.6 Tag AAR 194/195
	7/27/86 7/27/86 7/27/86 7/27/86 7/28/86 7/28/86 7/28/86 7/29/86 8/02/86 8/02/86	7/27/86 0100 7/27/86 0100 7/27/86 0100 7/28/86 0050 7/28/86 0050 7/28/86 0013 7/29/86 0300 7/30/86 0200 8/02/86 0330 8/02/86 0300 8/02/86 0315	Date Occurred Nest ()  7/27/86 0100  7/27/86 0100  7/27/86 0100 104 eggs  7/28/86 0050 115 eggs  7/28/86 0013  7/29/86 0300 135 eggs  7/30/86 0200  8/02/86 0330  8/02/86 0300  8/02/86 0315	Date         Occurred         Nest ( )         Location *           3.9         3.9         M.N.R.P.           7/27/86         0100         M.N.R.P.           7/27/86         0100         104 eggs         M.N.R.P.           7/28/86         0050         115 eggs         M.S.R.P.           7/28/86         0013         M.S.R.P.           7/29/86         0300         135 eggs         M.N.R.P.           7/30/86         0200         M.N.R.P.           8/02/86         0330         M.S.R.P.           8/02/86         0300         M.S.R.P.           8/02/86         0315         M.S.R.P.           0.7         0.7

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Crawl No.	T Date	ime Crawl Occurred	Active Nest ( )	Location *	Comments
112	8/09/86	0005	116 eggs	1.5 M.N.R.P.	Moved 25 feet to dunes, Tag AAR 177/178
113	8/12/86	0245		3.0 M.S.R.P.	No nest
114	8/12/86	0300		4.2 M.N.R.P.	M.N.R.P.
115	8/12/86	0300		4.5 M.N.R.P.	No nest
116	7/24/86	2400		3.2 M.N.R.P.	Late entry crawl, no nest

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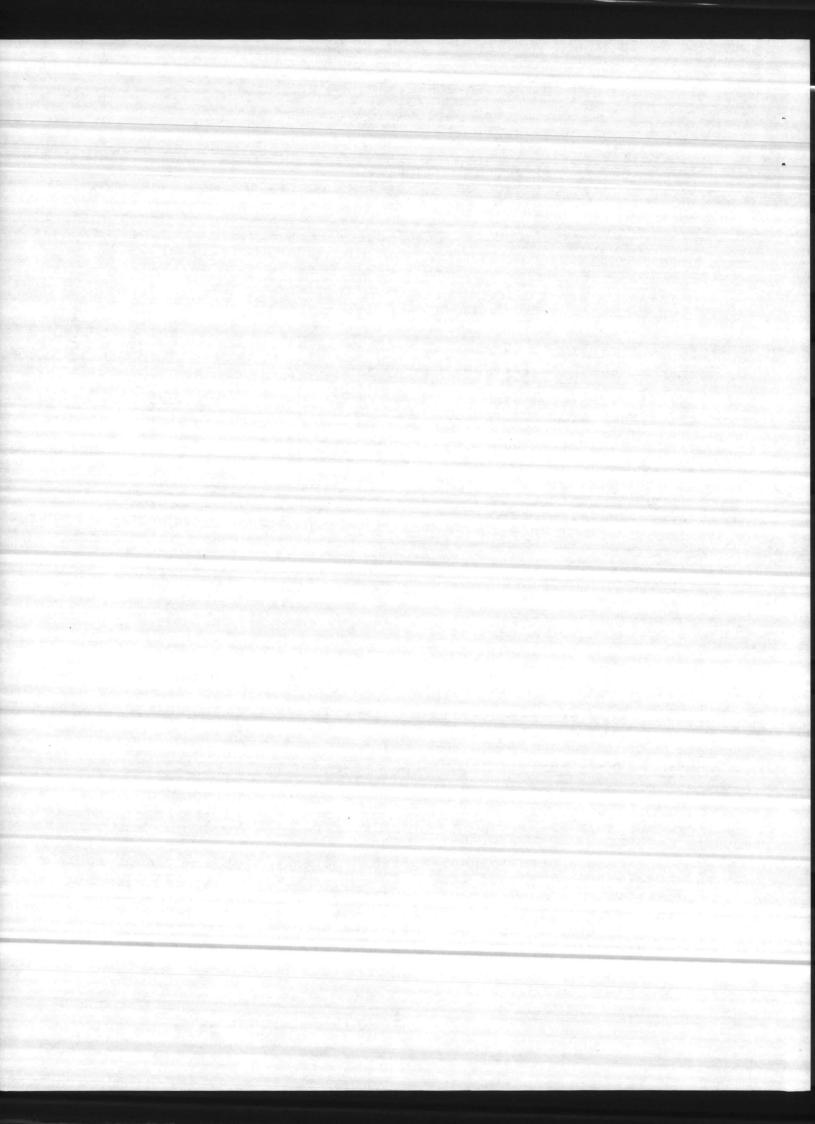


TABLE II Return Record of Tagged Turtles 1986 SEA-TURTLE INVENTORY

Date	Tagged	Tag Number	Return	Return	Return
6/15/84		AAR-099/100	6/19/86(1) 7/03/86(1)	7/02/86(1) 7/04/86(2)	7/03/86(1) 7/15/86(1)
		AAR-051/052	6/28/86(1)	7/10/86(1)	
		AAR-059/060	6/27/86(1)	7/29/86(2)	
6/28/84		AAR-115	7/08/86(2)		
		AAR-149/150	6/29/86(2)		
6/20/86	(2)	AAR-171/172	7/04/86(1)	7/15/86(2)	7/26/86(1)
6/21/86	(2)	AAR-173/174	7/16/86(1)	7/17/86(2)	
7/03/86	(2)	AAR-175/176			
6/29/86	(2)	AAR-177/178	8/09/86(2)		
7/07/86	(2)	AAR-179/180			
7/08/86	(1)	AAR-181/182			
7/17/86	(2)	AAR-183/184			
7/24/86	(1)	AAR-185/186			
7/26/86	(1)	AAR-187/188			
7/28/86	(2)	AAR-189/190			
8/02/86	(1)	AAR-191/192	age let geet on a supplier of the supplier of		
8/04/86	(2)	AAR-194/195		Maria	
7/10/86	(2)	IMS # 747 **			

<sup>(1)</sup> Crawl Without Nest

<sup>(2)</sup> Crawl With Nest \*\* Scientific Marine Institute Morehead City, North Carolina

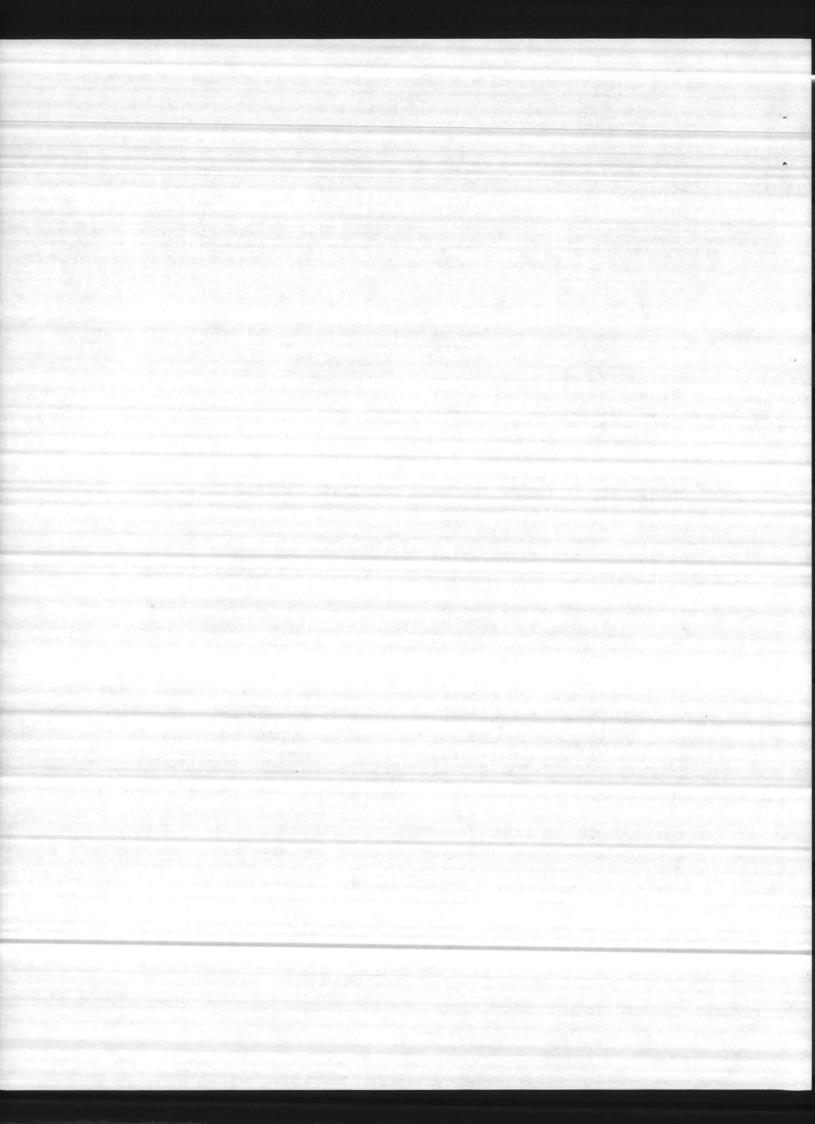


TABLE III
Crawl Information In Relation to
Moon and Tidal Cycle

DATE	MOON RISE % ILLUMIN	TIME OF HIGH TIDE	TIME CRAWL W/O NEST	TIME CRAWL W/NEST	TOTAL CRAWLS
5/26/86	2253-93%	2201	0328		1
5/27/86	0042-86%	2258	0100		1
5/28/86	0042-77%	2358	1114		1
5/31/86	0220-45%	0159		0230/0230	2
6/04/86	0359-11%	1751	0530/0530		2
6/06/86	0500-02%	1751	1230		1
6/07/86	0539-00%	1949	1400-1500		1
6/08/86	0623-00%	2037	0730		1
6/10/86	0810-05%	2143	0830/0830/2330	0830	4
6/11/86	0911-11%	2222	0300/0300		2
6/13/86	1113-25%	2350	0300/0300/0300		3
6/14/86	1216-35%	0042	0730/0730	0830	3
6/16/86	1423-55%	0237	0200/0200	0130	3
6/19/86	1757-86%	1712	2345		1
6/20/86	1915-93%	1809	0400/0600		2
6/21/86	2029-98%	1805	2300		1
6/23/86	2231-99%	2053	0300		1
6/27/86	0047-71%	0027	0240/0245/0245 0245/0300	0900/0900	7
6/28/86	0047-61%	0120		0900/0900 2330	/ 3
6/29/86	0112-50%	0216		0100/0330	2
7/02/86	0230-23%	1635	0930/0945		2

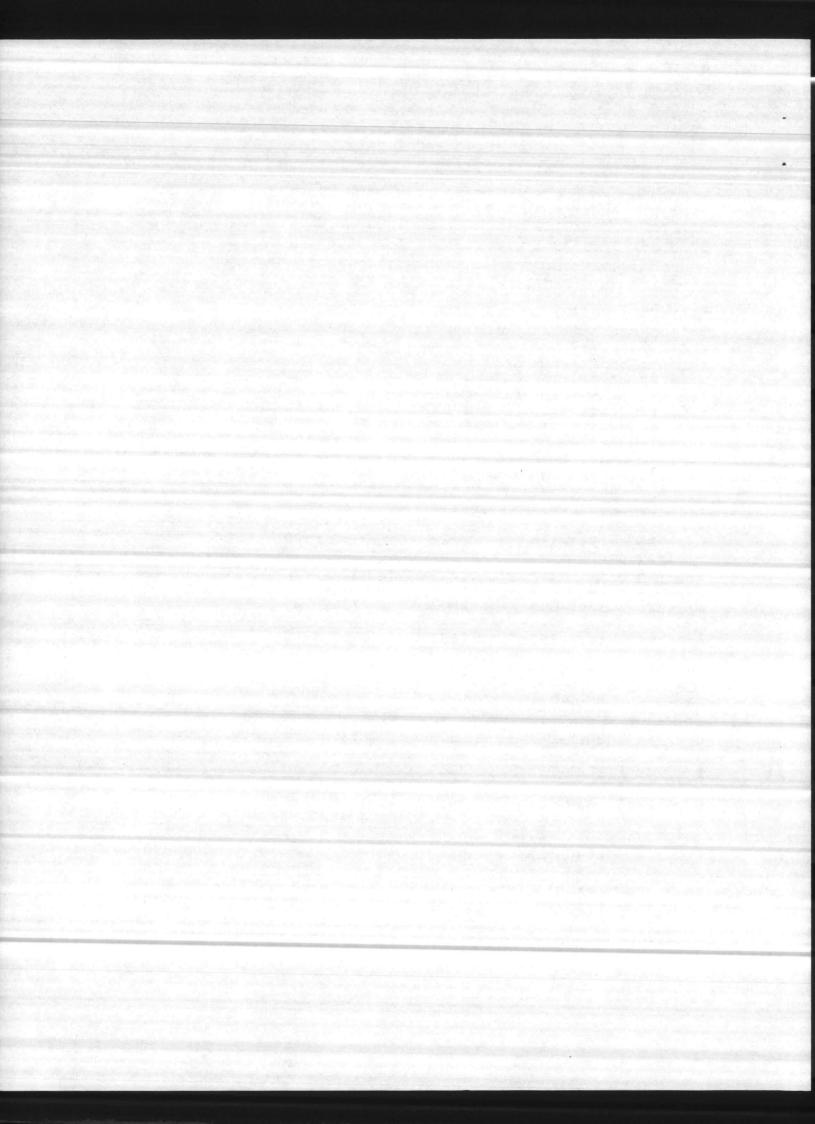


TABLE III
Crawl Information In Relation to
Moon and Tidal Cycle

DATE	MOON RISE % ILLUMIN	TIME OF HIGH TIDE	TIME CRAWL W/O NEST	TIME CRAWL W/NEST	CRAWLS
7/03/86	0301-15%	1721	2215/2230/2345	0300	4
7/04/86	0338-09%	1805	0130/0300	0200	3
7/05/86	0420-05%	1845	0530/0530/0900		3
7/06/86	0509-01%	1845	1925	0300	2
7/07/86	0604-00%	2004	2200/2230/0100	0300/2400	5
7/08/86	0704-01%	2040	0300/0045	2400	3
7/10/86	0907-08%	2157	0200/0400/0400 0300/0400/0500	0300/0300 0300/0300	10
7/11/86	1009-14%	2236	0300		1
7/14/86	1314-41%	0103	2400		1
7/15/86	1426-52%	0204	0230	0130/0400	3
7/16/86	1537-63%	0313	0100/2345	0300	3
7/17/86	1652-74%	0417		0130/0145	2
7/18/86	1806-83%	1658		0330	1
7/21/86	2105-100%	1944	0500		1
7/22/86	2145-99%	2039	2200		1
7/23/86	2218-96%	2127	2130-2345		2
7/24/86	2247-91%	2215	2400/2245/2315		3
7/25/86	2313-84%	2302	0300/0310/0600 2100/2130		6
7/26/86	2338-75%	2350	0100/0200		2
7/27/86	0004-66%	0038	and the second of the second of the second	0100/0100	2
7/28/86	0031-56%	0132	0013	0050	2

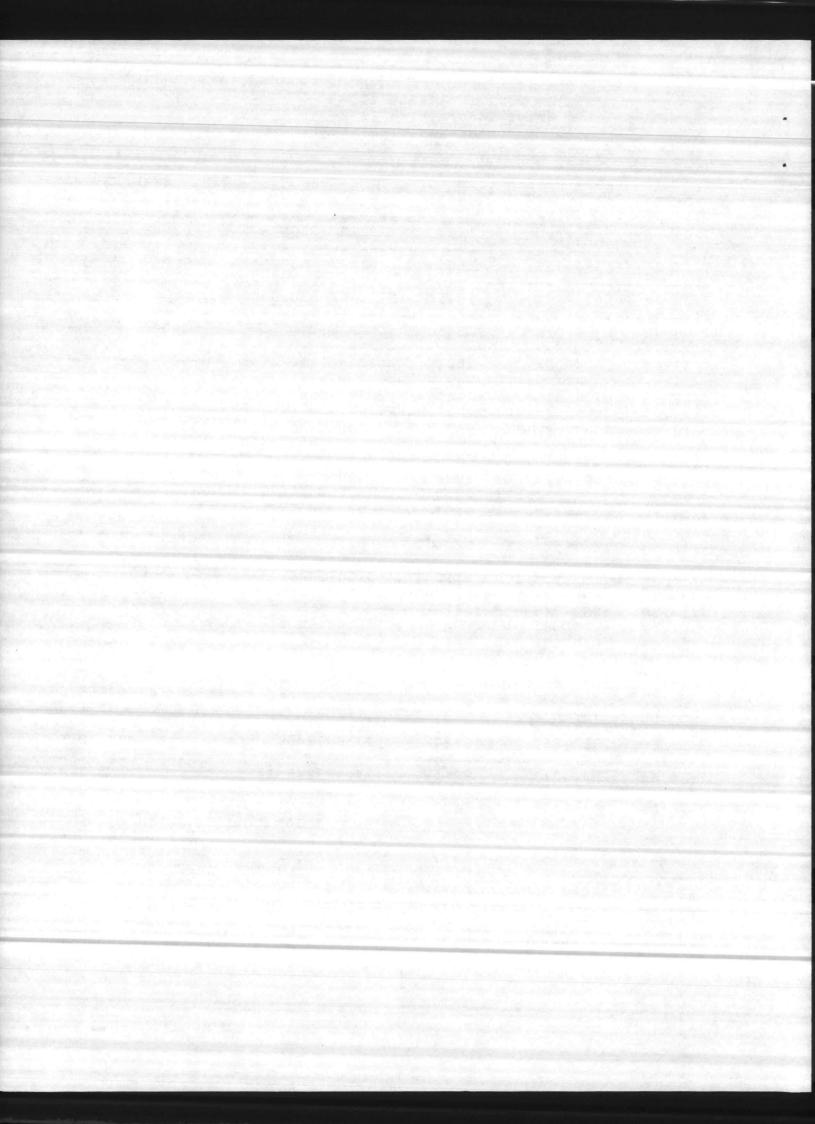


TABLE III
Crawl Information In Relation to
Moon and Tidal Cycle

DATE	MOON RISE % ILLUMIN	TIME OF HIGH TIDE	TIME CRAWL W/O NEST	TIME CRAWL W/NEST	TOTAL
7/29/86	0031-47%	0226		0300	1
7/30/86	0101-37%	0323	0200		1
8/02/86	2012-13%	1735	0300/0300/031	5	3
8/04/86	0455-03%	1900		2200	1
3/09/86	1008-11%	2210		0005	ı
8/12/86	1326-38%	0038	0245/0300/030	0	3
and the second s		and the second s			
					A A
in the second of					

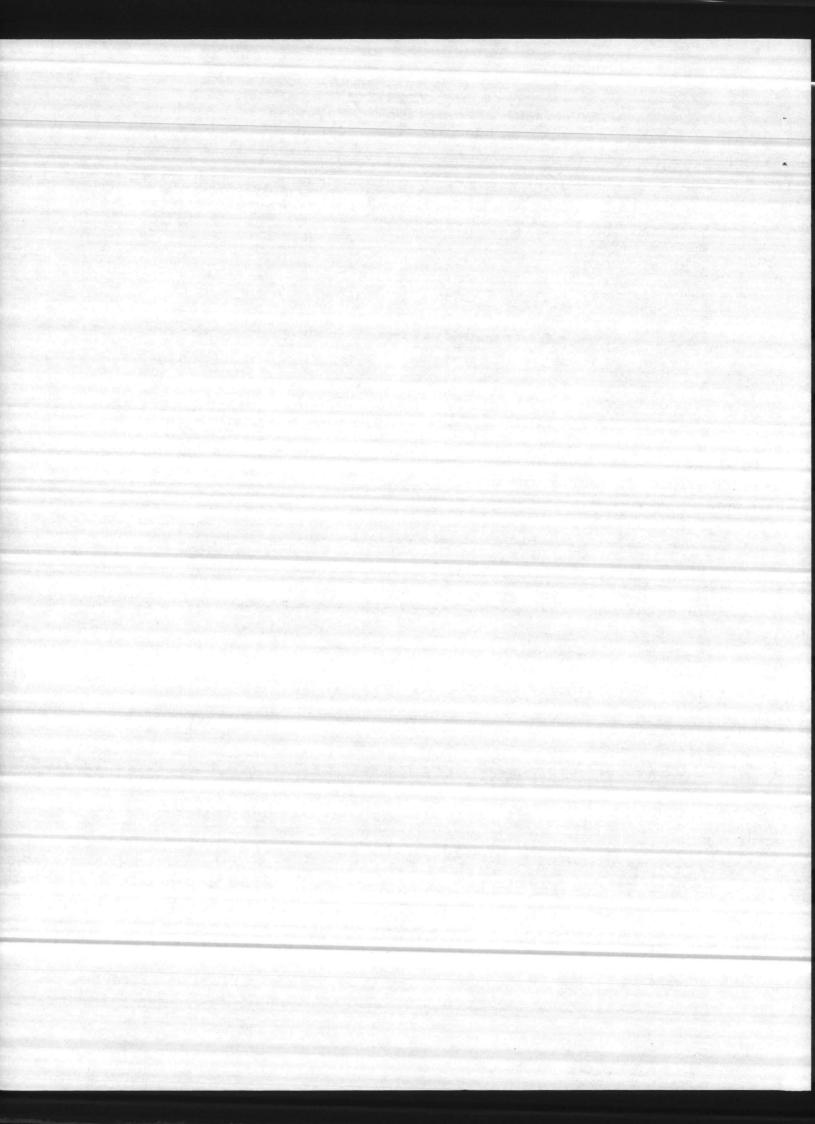


TABLE IV

# GROUND SURVEY NUMBER (NIGHT NOT SEPERATED AT MIDNIGHT)

Date	Crawl/No Nest	Crawl/Nest	Total
5/26/86		0	1
5/27/86	ī	0	1
5/28/86		0	1
5/31/86	Ō	2	2
6/04/86	2	0	2
	1	0	1
6/06/86	•	0	1
6/07/86	0	1	1
6/08/86	3	1	4
6/10/86	2	0	2
6/11/86	3	0	3
6/13/86	2	1	3
6/14/86	2	1	3
6/16/86	1	Ō	1
6/19/86		1	2
6/20/86	1	Ō	1
6/21/86	1	0	1
6/23/86	1	i	7
6/27/86	6	3	3
6/28/86	0	2	2
6/29/86	0	0	2
7/02/86	2	1	4
7/03/86	3	i	3
7/04/86	2	0 .	3
7/05/86	3	Ÿ	2
7/06/86	1	2	5
7/07/86	3		3
7/08/86	2		10
7/10/86	9	1	ı
7/11/86	1	0 .	i
7/14/86	1	0	3
7/15/86	1		3
7/16/86	2	1	3
7/17/86	on the street of	2	1
7/18/86	0		<b>†</b>
7/21/86	1 100	0	<b>.</b>
7/22/86	1	0	1
7/23/86	2	0	2
7/24/86	3	0	3
7/25/86	5	1	6
7/26/86	2	0	2
7/27/86	3	<b>1</b>	4
7/28/86			2
7/29/86	0	1	
7/30/86	1	0	
8/02/86		0	3
8/04/86	0	the desired and transforming a state and the state of the	
8/09/86	0	1	1
8/12/86	3	and a company of the	3
0,, 0			

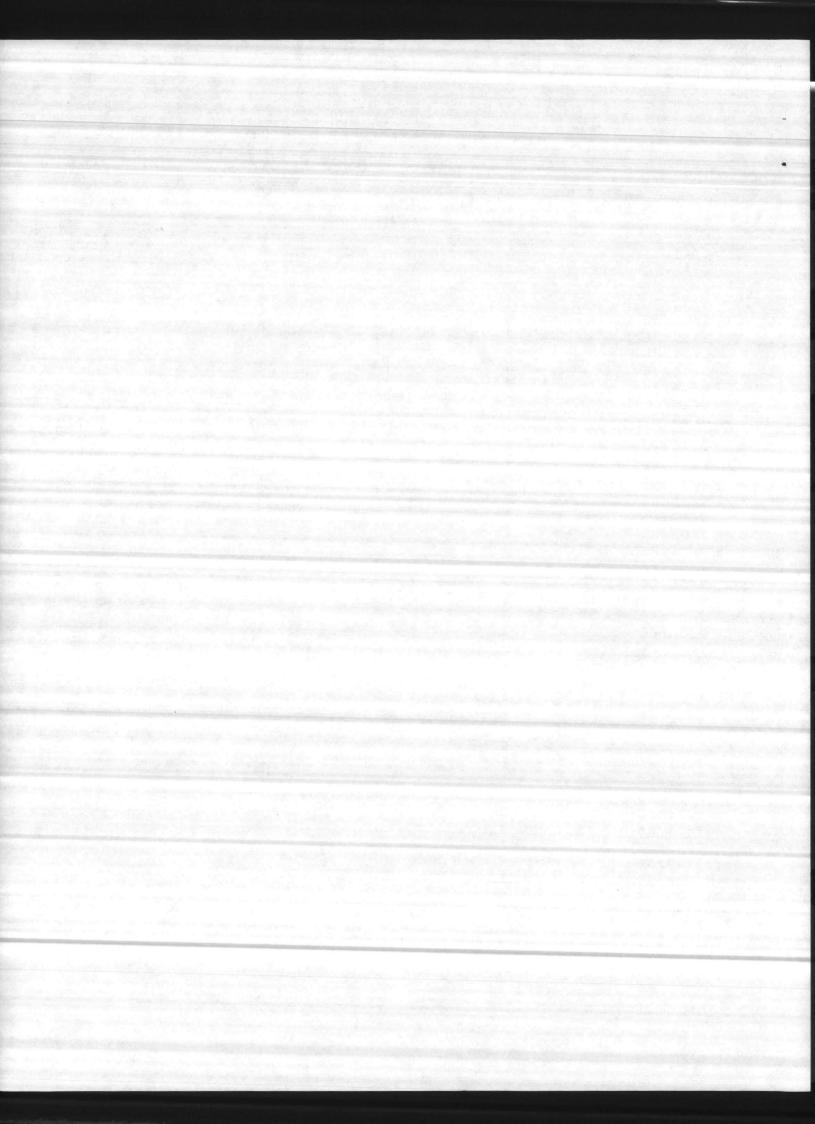


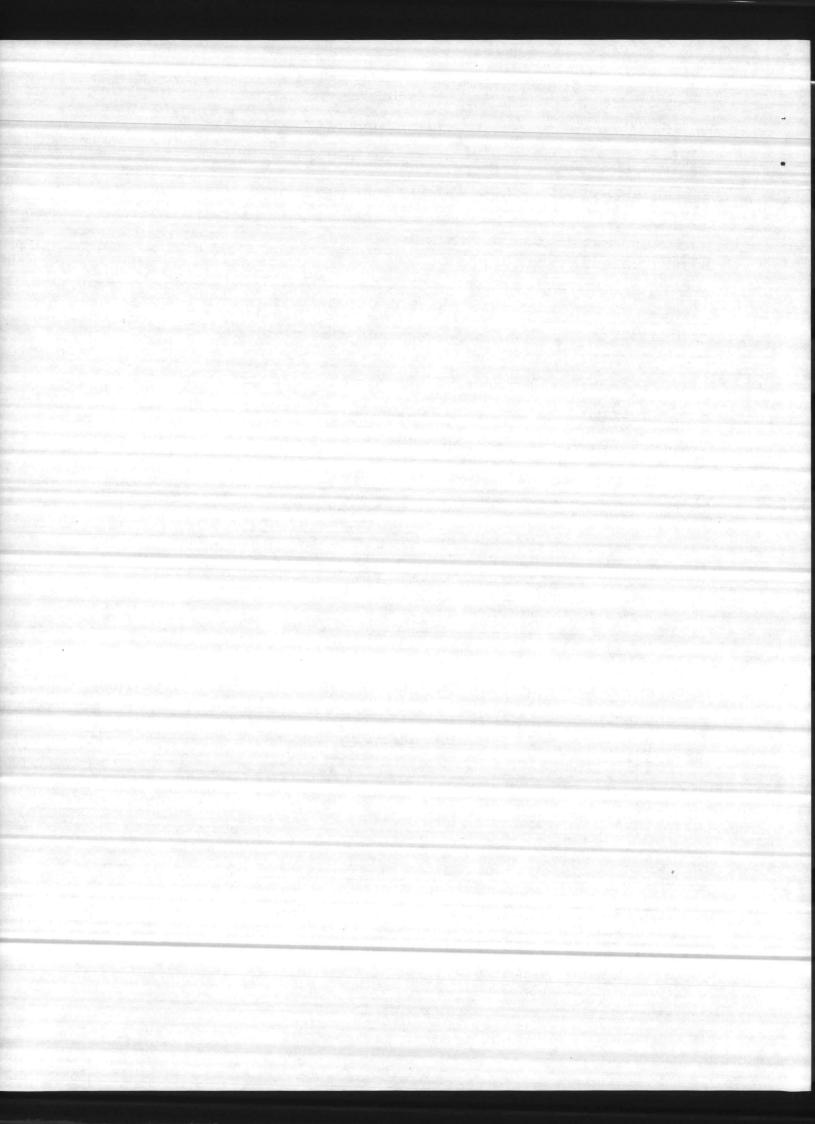
TABLE V

DATE: 5/23/86							
	· NC	ос	NN	ON	NP	OP	WEATHER
	0	0	0	0	0	0	CLEAR
BROWNS ISLAND:	NC	oc	NN	ON	NP	OP	
A CONTRACTOR OF THE CONTRACTOR	0	0	0	0	0	0	CLEAR
BEAR ISLAND:	NC	oc	NN	ON	NP	OP	
	0	0	0	0	0	0	CLEAR
DATE: 5/28/86							
ONSLOW BEACH:	NC	ос	NN	ON	NP	OP	WEATHER
	0	0	0	0	0	0	FOG/HAZE
BROWNS ISLAND:	NC	oc	NN	ON	NP	OP	
STEWART PLANTS WARE	0	0 0C	0	0	0 NP	0 OP	FOG/HAZE
BEAR ISLAND:	NC	oc	NN	ON	NP	OP	
	3	0	3	0	0	0	FOG/HAZE
DATE: 5/30/86							
ONSLOW BEACH:	NC	ос	NN	ON	NP	OP	WEATHER
	0	0	0	0	0	0	FOG/HAZE
BROWNS ISLAND:	NC	oc	NN	ON	NP	.OP	
	0	0	0	0	0	0 OP	FOG/HAZE
BEAR ISLAND:	NC	oc	NN	ON	NP	OP	
. 34	2	0	2	2	0	0	FOG/HAZE
	V. (1. 11. 11. 11.	II III					

--SYMBOLS: NC = NEW CRAWL

OC = OLD CRAWL

NN = NEW NEST ON = OLD NEST



#### TABLE V

#### AERIAL SURVEY

DATE:	5/03/86					

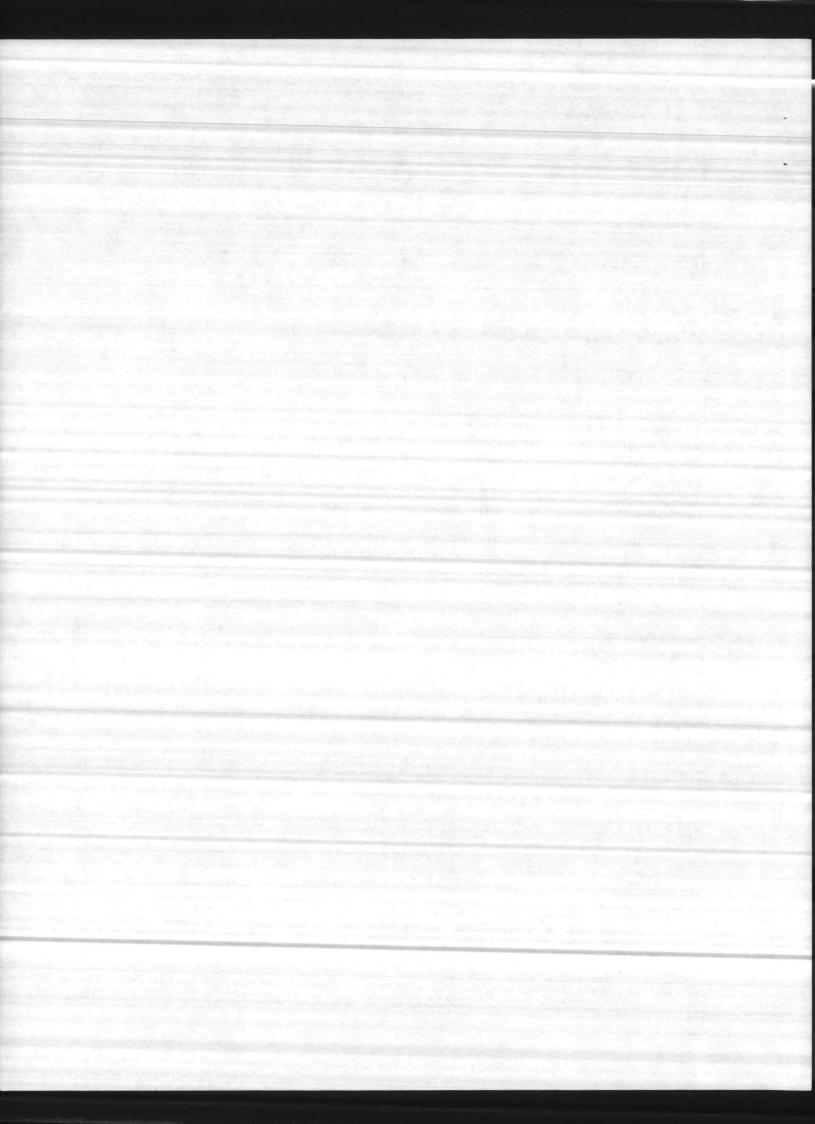
NC	oc	NN	ON	NP	OP	WEATHER
0 NC	0 OC	0 NN	0 ON	0 NP	O OP	OVERCAST/FOG
0	0	0	0	0	0	OVERCAST/FOG
NC	OC	NN	ON	NP	OP	
0	0	0	0	0	0	OVERCAST/FOG
NC	ос	NN	ON	NP	OP	WEATHER
1	0	0	0	0	0	FOG
NC	oc	NN	ON	NP	OP	
0	0	0	0	0	0	FOG
NC	ос	NN	ON	NP	OP	
3	0	2	0	0	0	FOG
NC	ос	. NN	ON	NP	OP	WEATHER
3	0	3	0	0	0	CLEAR
NC	oc	NN	ON	NP	.OP	
2	0	ı		A DESCRIPTION OF THE PARTY OF T	A TABLE OF THE PARTY OF THE PAR	CLEAR
NC	oc	NN	ON	NP	OP	
0	0	0	0	0	0	CLEAR
	0 NC 0 NC 0 NC 1 NC 0 NC 3	0 0 NC OC	0 0 0 0 NN OC NN OC OC NN OC OC NN OC OC NN OC NN OC OC NN	O         O         O         O           NC         OC         NN         ON           O         O         O         O           NC         OC         NN         ON	O         O         O         O         O           NC         OC         NN         ON         NP           O         O         O         O         O           NC         OC         NN         ON         NP           O         O         O         O         O           NC         OC         NN         ON         NP           O         O         O         O         O           NC         OC         NN         ON         NP           3         O         2         O         O           NC         OC         NN         ON         NP           3         O         3         O         O           NC         OC         NN         ON         NP	O         O

--SYMBOLS: NC = NEW CRAWL

OC = OLD CRAWL

NN = NEW NEST

ON = OLD NEST



DATE:	6	/12	/86

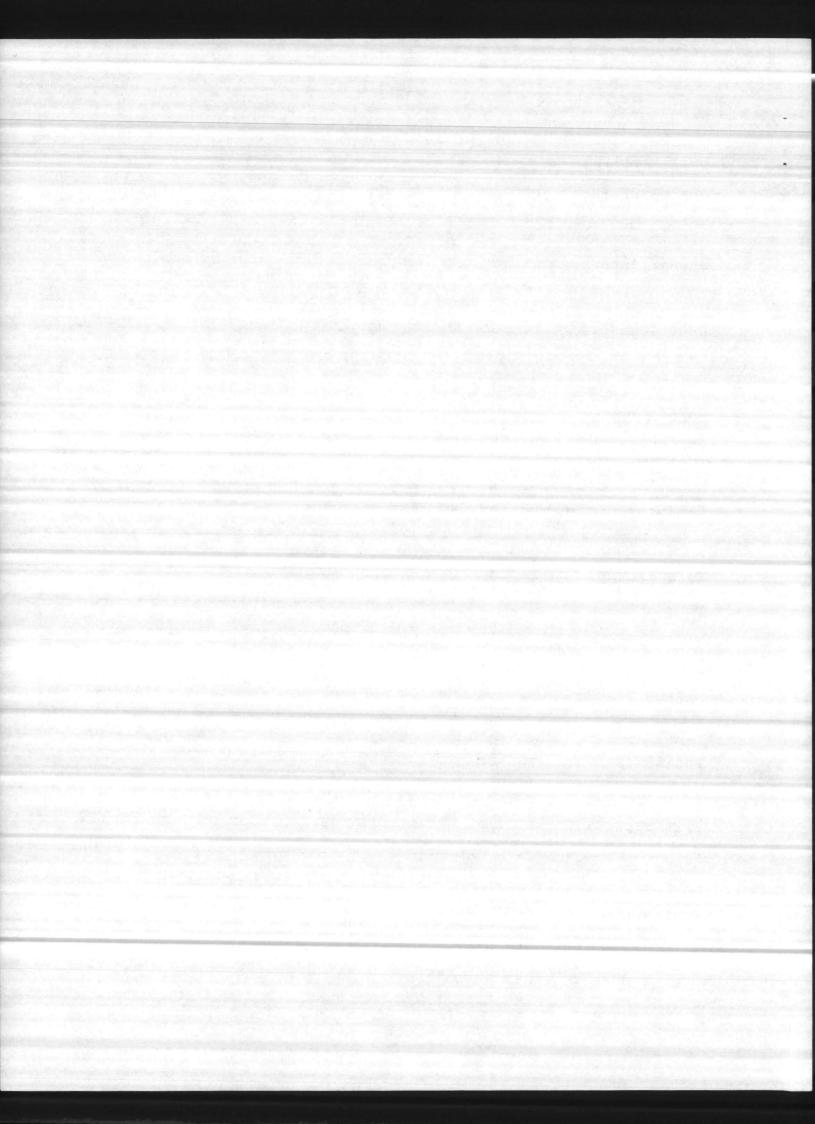
DAIL: 6/12/86								
ONSLOW BEACH:	NC	ос	NN	ON	NP	OP	WEA	THER
	5	0	0	0	0	.0	CLEA	R/FOG/HAZE
BROWNS ISLAND:	NC	oc	NN	ON	NP	OP		
	6	2	1_	1	0	0	CLEA	R/FOG/HAZE
BEAR ISLAND:	NC	oc	NN	ON	NP	OP		
	1	0	1	0	0	0	CLEA	R/FOG/HAZE
DATE: 6/17/86								
ONSLOW BEACH:	NC	ос	NN	ON	NP	OP	WEA	THER
	2	0	2	0	0	0	FOG/	HAZE
BROWNS ISLAND:	NC	oc	NN	ON	NP	OP		100
	6	0	5	0	1	0	FOG/	HAZE
BEAR ISLAND:	NC	oc	NN	ON	NP	OP	4	
March and Special Control of the Con	3	0	3	0	0	0	FOG/	HAZE .
DATE: 6/19/86								
ONSLOW BEACH:	NC	oc	. NN	ON	NP	OP	WEA	ATHER
	1	0	1	0	0	0	OVEF	RCAST
BROWNS ISLAND:	NC	oc	NN	ON	NP	.OP		
	2	0	2 NN	0	0	0	OVE	CAST
BEAR ISLAND:	NC	ос	NN	ON	NP	OP		
	7	0	5	0	0	0	OVER	RCAST

--SYMBOLS: NC = NEW CRAWL

OC = OLD CRAWL

NN = NEW NEST

ON = OLD NEST



DATE:	6/24/86		

ONSLOW BEACH:	NC	ос	NN	ON	NP	OP	WEATHER
	1	0	1	0	0	.0	CLEAR
BROWNS ISLAND:	NC	oc	NN	ON	NP	OP	
	0	0	0	0	0	0	CLEAR
BEAR ISLAND:	NC	ос	NN	ON	NP	OP	
	0	0	0	0	0	0	CLEAR
DATE: 6/26/86							
ONSLOW BEACH:	NC	ос	NN	ON	NP	OP	WEATHER
	0.	0	0	0	0	0	CLEAR
BROWNS ISLAND:	NC	oc	NN	ON	NP	OP	
	1	0	1	0	0	0	CLEAR .
BEAR ISLAND:	NC	oc	NN	ON	NP	OP	
	1	0	1	0	0	0	CLEAR
DATE: 7/01/86							The second secon
ONSLOW BEACH:	NC	ос	. NN	ON	NP	OP	WEATHER
and the second s	0	0	0	0	0	0	CLEAR
BROWNS ISLAND:	NC	ОС	NN	ON	NP	.OP	
A STATE OF THE STA	2	0	2	0	0	0	CLEAR
BEAR ISLAND:	NC	ос	NN	ON	NP	OP	
	0	0	0	0	0	0	CLEAR

--SYMBOLS: NC = NEW CRAWL

OC = OLD CRAWL NN = NEW NEST

ON = OLD NEST NP = NEW PREDATION OP = OLD PREDATION

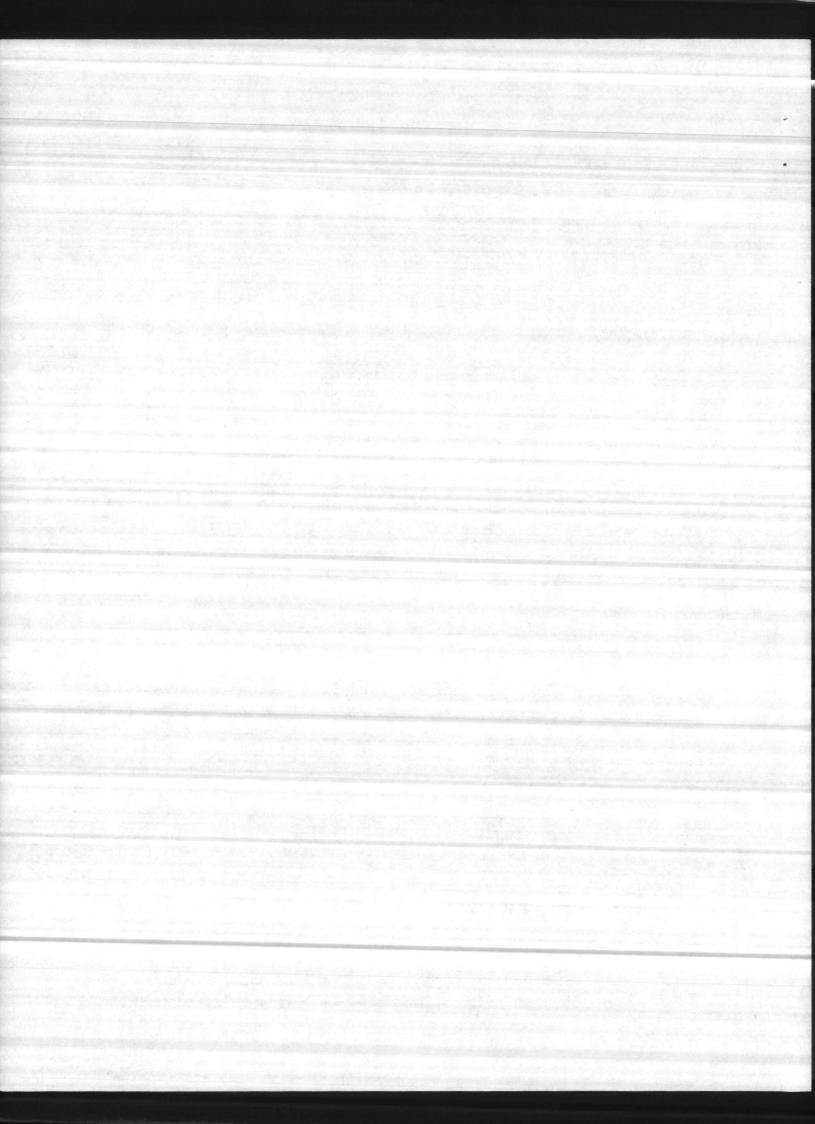


TABLE V

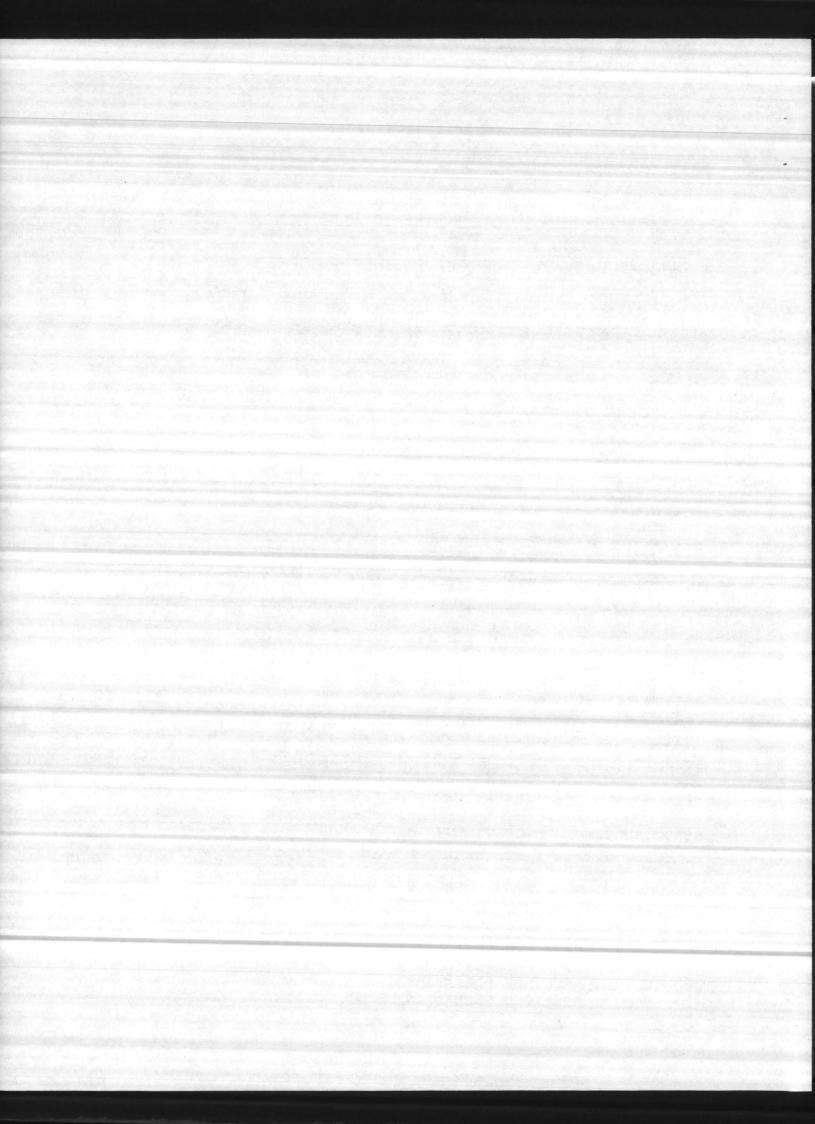
				KIAD				
DATE: 7/03/86								
ONSLOW BEACH:	NC	oc	NN	ON	NP	OP		WEATHER
	2	0	2	0	0	.0		FOG/HAZE
BROWNS ISLAND:	NC	oc	NN	ON	NP	OP		
A contract of the second s	0	0	0	0	0	0		FOG/HAZE
BEAR ISLAND:	NC	oc	NN	ON	NP	OP		
	3	0	3	0	0	0		FOG/HAZE
DATE: 7/08/86								
ONSLOW BEACH:	NC	oc	NN	ON	NP	OP		WEATHER
	4	0	4	0	0	0		CLEAR
BROWNS ISLAND:	NC	oc	NN	ON	NP	OP		
	5	1	5	1	0	0		CLEAR
BEAR ISLAND:	NC	oc	NN	ON	NP	OP		
and the second second	2	0	2	0	0	0		CLEAR
DATE: 7/10/86								
ONSLOW BEACH:	NC	ос	. NN	ON	NP	OP		WEATHER
	2	0	2	0	0	0		CLEAR/HAZE
BROWNS ISLAND:	NC	oc	NN	ON	NP	.OP		
	2	0	2	0	0	0		CLEAR/HAZE
BEAR ISLAND:	NC	oc	NN	ON	NP	OP	A Total	

--SYMBOLS: NC = NEW CRAWL

OC = OLD CRAWL NN = NEW NEST ON = OLD NEST

NP = NEW PREDATION OP = OLD PREDATION

1 0 1 0



DATE: 7/	15/86	)
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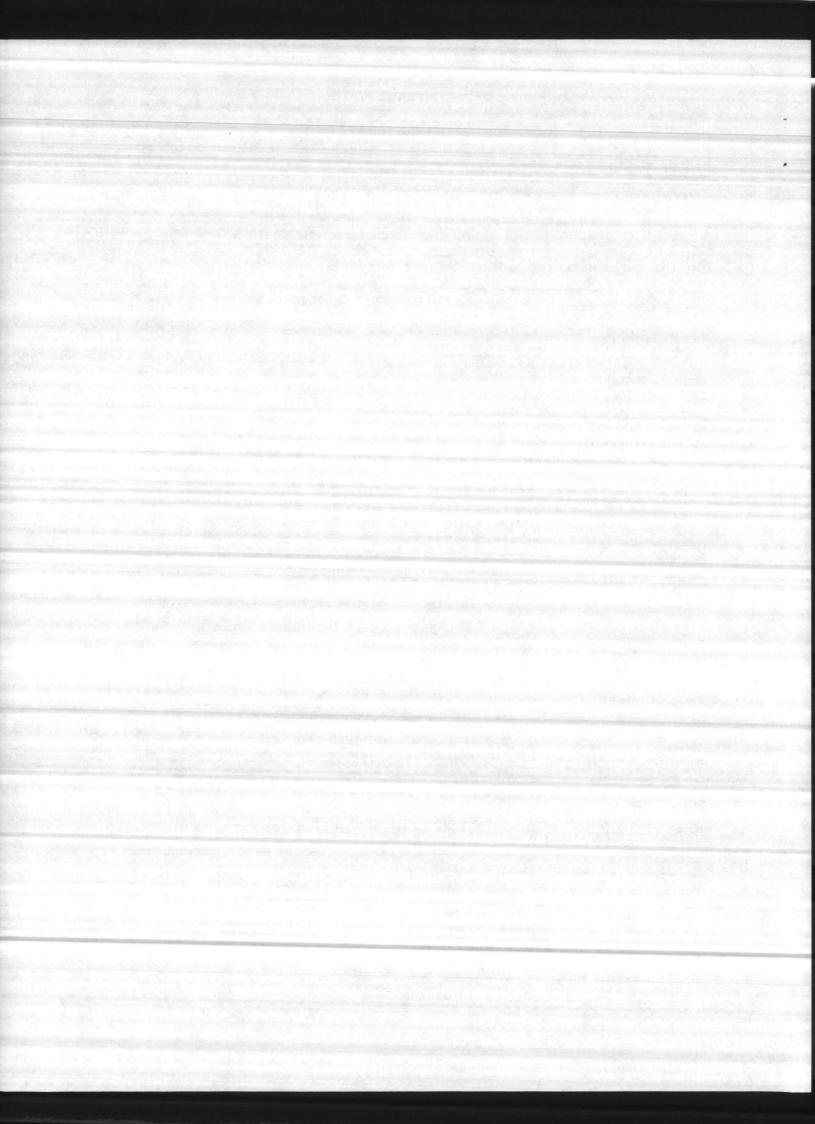
ONSLOW BEACH:	NC	ос	NN	ON	NP	OP		WEATHER
A Company of the Comp	1	0	1	0	0	-0		CLEAR
BROWNS ISLAND:	NC	oc	NN	ON	NP	OP		
	2	0	2	0	0	0	Angers entre e	CLEAR
BEAR ISLAND:	NC	oc	NN	ON	NP	OP		
	2	0	2	0	0	0		CLEAR
DATE: 7/18/86								
ONSLOW BEACH:	NC	ос	NN	ON	NP	OP		WEATHER
	1/	0	1	0	0	0		CLEAR/FOG/HAZE
BROWNS ISLAND:	NC	oc	NN	ON	NP	OP		
Control of the Contro	2	0	2	0	0	0		CLEAR/FOG/HAZE
BEAR ISLAND:	NC	oc	NN	ON	NP	OP		
and the second s	1	0	1	0	0	0		CLEAR/FOG/HAZE
DATE: 7/22/86								
ONSLOW BEACH:	NC	oc	. NN	ON	NP	OP		WEATHER
	1	0	1	0	0	0		HAZE/FOG
BROWNS ISLAND:	NC	oc	NN	ON	NP	.OP		
	4	0	4	0	0	0		HAZE/FOG
BEAR ISLAND:	NC	oc	NN	ON	NP	OP	1	
	1	0	1	0	0	0		HAZE/FOG

--SYMBOLS: NC = NEW CRAWL

OC = OLD CRAWL

NN = NEW NEST

ON = OLD NEST

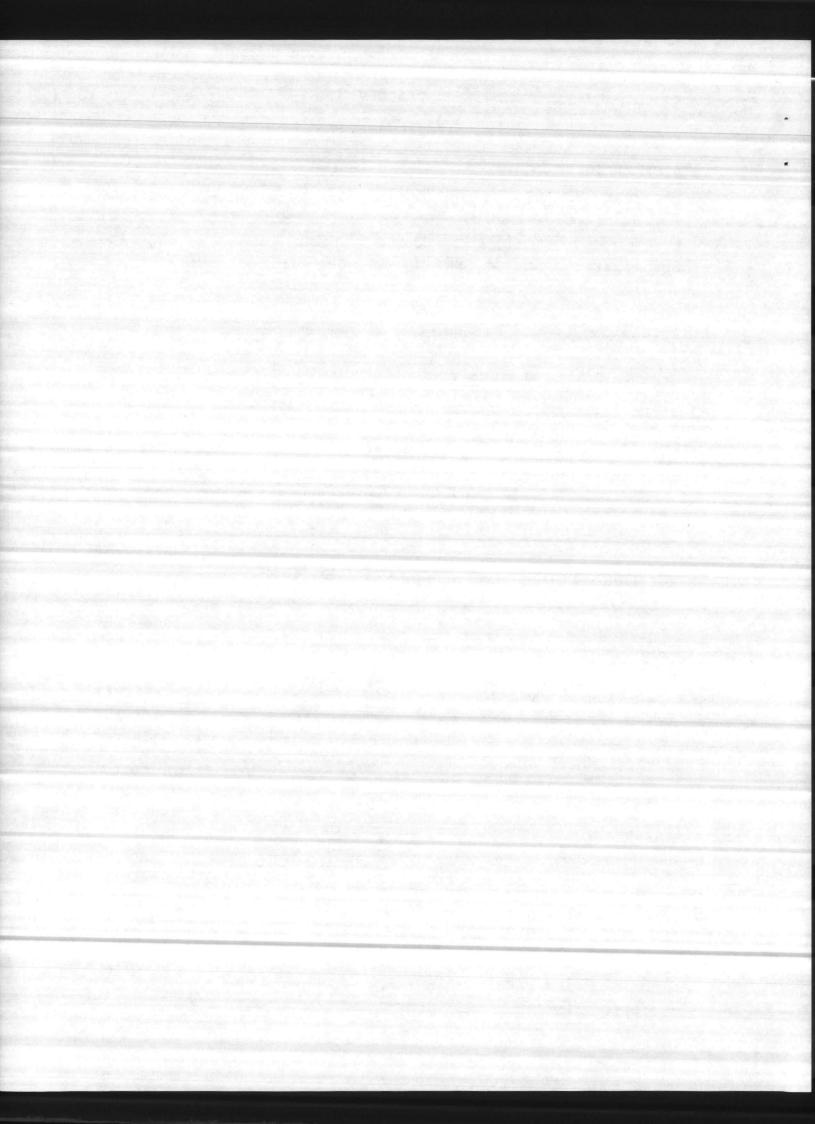


DATE	:	7/	25	/86
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ONSLOW BEACH:	NC	oc	NN	ON	NP	OP	WEATHER
	2	0	1	0	0	.0	HAZE/FOG
BROWNS ISLAND:	NC	oc	NN	ON	NP	OP	
	2	0	2	0	0	0	HAZE/FOG
BEAR ISLAND:	NC	oc	NN	ON	NP	OP	
	0	0	0	0	0	0	HAZE/FOG
DATE: 7/29/86							
ONSLOW BEACH:	NC	ос	NN	ON	NP	OP	WEATHER
	1	0	1	0	1	0	HAZE/FOG
BROWNS ISLAND:	NC	oc	NN	ON	NP	OP	
	5	0	5	. 0	0	0	HAZE/FOG
BEAR ISLAND:	NC	oc	NN	ON	NP	OP	
	2	0	2	0	0	0	HAZE/FOG
DATE: 8/01/86							
ONSLOW BEACH:	NC	ос	NN	ON	NP	OP	WEATHER
	0	0	0	0	0	0	HAZE/FOG
BROWNS ISLAND:	NC	oc	NN	ON	NP	.OP	
	2	0	2	0	0	0	HAZE/FOG
BEAR ISLAND:	NC	ос	NN	ON	NP	OP	
	1	0	1	0	0	0	HAZE/FOG

--SYMBOLS: NC = NEW CRAWL

OC = OLD CRAWL
NN = NEW NEST
ON = OLD NEST



DATE	:	8/05/86

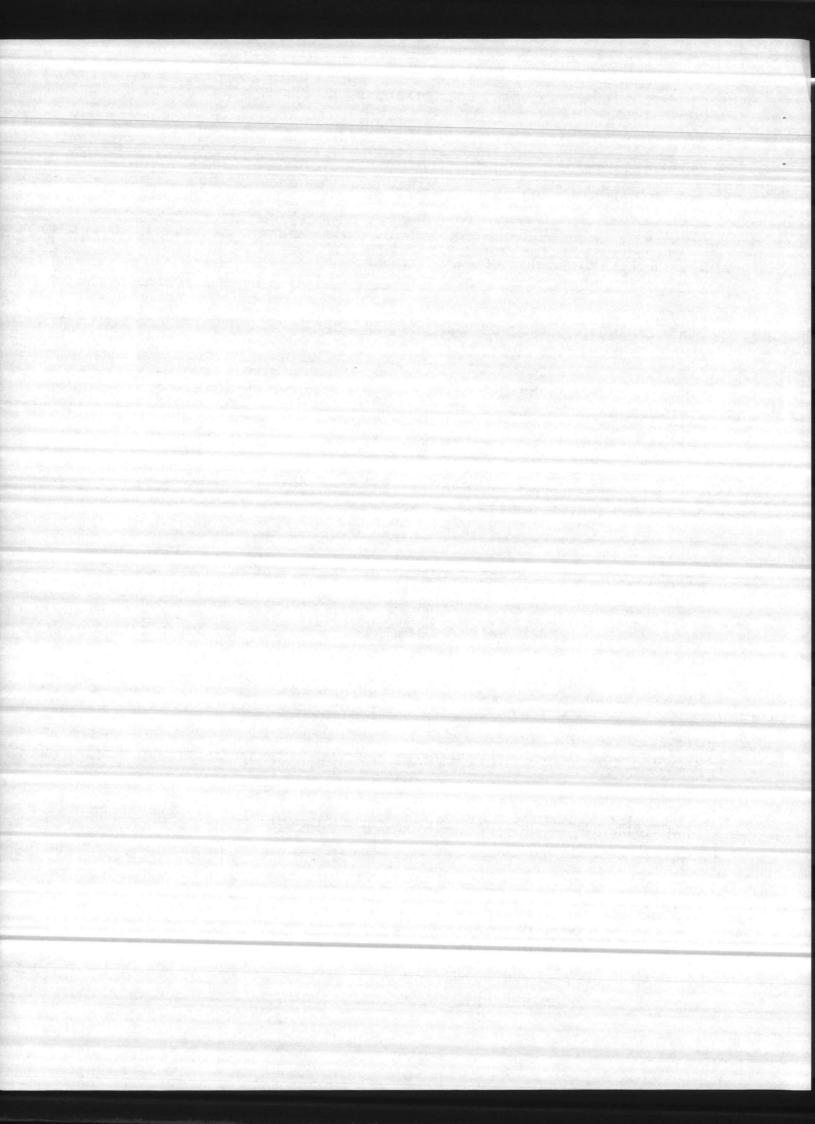
ONSLOW BEACH:	NC	ос	NN	ON	NP	OP		WEATHER
ONO BOTT BEACH.		ialis, Africa			- Property			
	0	0	0	0	0	0		HAZE/FOG
BROWNS ISLAND:	NC	oc	NN	ON	NP	OP		
	5	0	- 5	0	0	0		HAZE/FOG
BEAR ISLAND:	NC	oc	NN	ON	NP	OP		
	2	0	2	0	0	0	A CONTRACTOR	HAZE/FOG
DATE: 8/08/86								
ONSLOW BEACH:	NC	ос	NN	ON	NP	OP		WEATHER
The second secon	0 :	0	0	0	0	0	Section 1	CLEAR
BROWNS ISLAND:	NC	oc	NN	ON	NP	OP		
	3	0	3	0	0	0		CLEAR
BEAR ISLAND:	NC	oc	NN	ON	NP	OP		and the second
	6	0	6	0	0	0		CLEAR
DATE: 8/12/86							a de la companya de l	
ONSLOW BEACH:	NC	ос	. NN	ON	NP	OP		WEATHER
	3	0	2	0	0	0		THUNDERSTORM
BROWNS ISLAND:	NC	oc	NN	ON	NP	.OP		
	0	0	0	0	0	0		THUNDERSTORM
BEAR ISLAND:	NC	oc	NN	ON	NP	OP		
	2	0	2	0	0	0		THUNDERSTORM

--SYMBOLS: NC = NEW CRAWL

OC = OLD CRAWL

NN = NEW NEST

ON = OLD NEST



DATE: 8/14/86								
ONSLOW BEACH:	NC	oc	NN	ON	NP	OP		WEATHER
	2	0	2	0	0	.0		HAZE/FOG
BROWNS ISLAND:	NC	ос	NN	ON	NP	OP		
	0	0	0	0	0	0		HAZE/FOG
BEAR ISLAND:	NC	ос	NN	ON	NP	OP		
	3	0	3	0	0	0		HAZE/FOG
DATE: 8/19/86	19							
ONSLOW BEACH:	NC	ос	NN	ON	NP	OP		WEATHER
BROWNS ISLAND:	NC	oc	NN	ON	NP	OP		
BEAR ISLAND:	NC .	oc	NN	ON .	NP	OP		
DATE: 8/21/86								
ONSLOW BEACH:	NC	ос	. NN	ON	NP	OP		WEATHER
	0	0	0	0	0	0		HAZE/FOG
BROWNS ISLAND:	NC	oc	NN	ON	NP	.OP		
to an other later and a second second second second	2	0	2	0	0	0	etantes estados estados es	HAZE/FOG
BEAR ISLAND:	NC	oc	NN	ON	NP	OP		

--SYMBOLS: NC = NEW CRAWL

OC = OLD CRAWL

2

NN = NEW NEST ON = OLD NEST

NP = NEW PREDATION OP = OLD PREDATION

2 0

0

0

HAZE/FOG

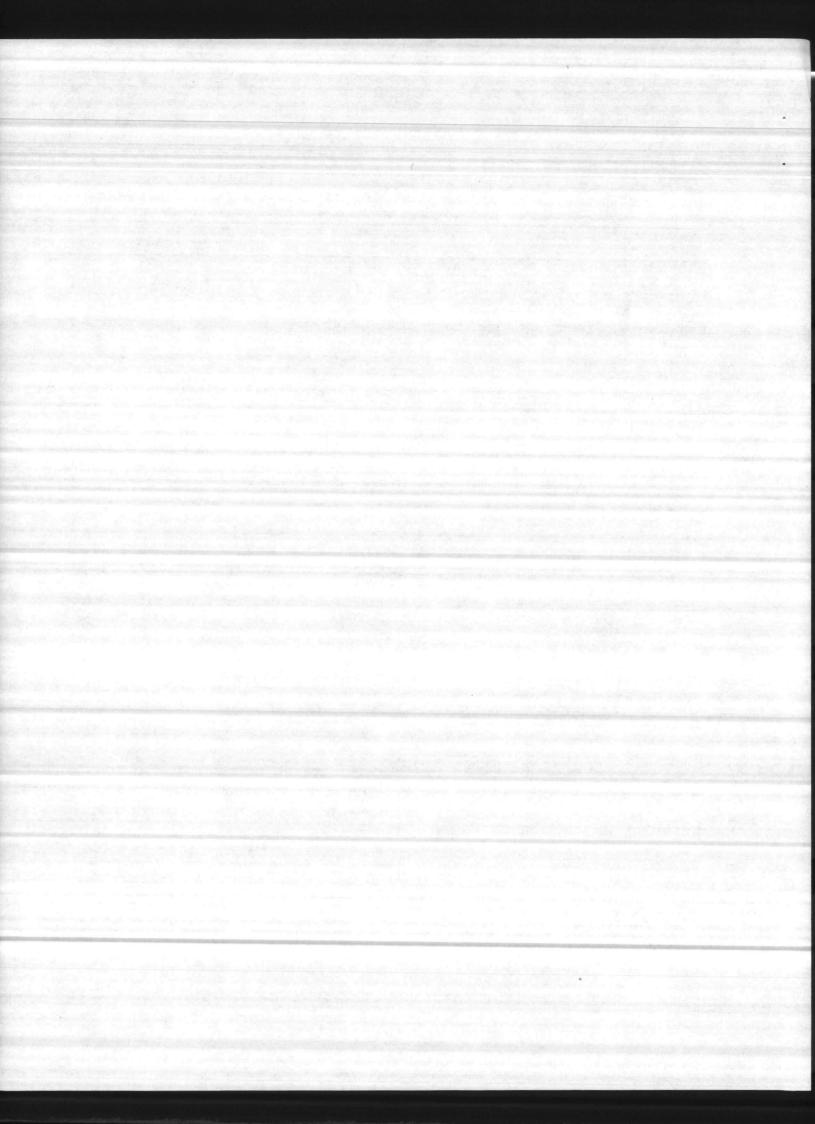


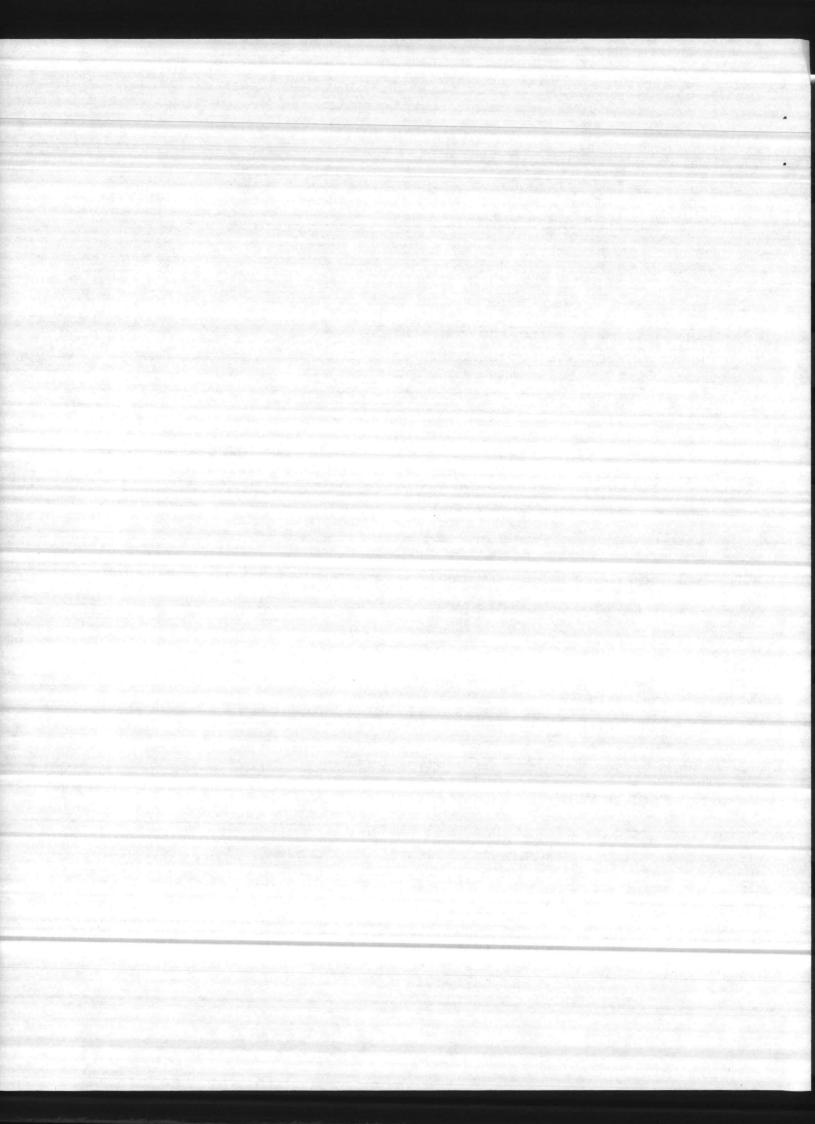
TABLE V

DATE:	8	126	186	
	0	120	, 00	

ONSLOW BEACH:	NC	oc	NN	ON	NP	OP	WEATHER
	0	0	0	0	0	.0	HAZE/FOG
BROWNS ISLAND:	NC	ос	NN	ON	NP	OP	
etrol gran anno arred for arred many and many arred for a second control of the second control of the second co	0 NC	0 OC	0 NN	0 ON	0 NP	0 OP	HAZE/FOG
BEAR ISLAND:	NC	00	ININ	OIN	IVE	OF .	
	5	0	5	0	0	0	HAZE/FOG
DATE:							
ONSLOW BEACH:	NC	ос	NN	ON	NP	OP	WEATHER
BROWNS ISLAND:	NC	oc	NN	ON	NP	OP	
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
DATE:							
ONSLOW BEACH:	NC	ос	. NN	ON	NP	OP	WEATHER
BROWNS ISLAND:	NC	OC	NN	ON	NP	.OP	
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	and the second

--SYMBOLS: NC = NEW CRAWL

OC = OLD CRAWL NN = NEW NEST ON = OLD NEST



#### NESTING RESULTS

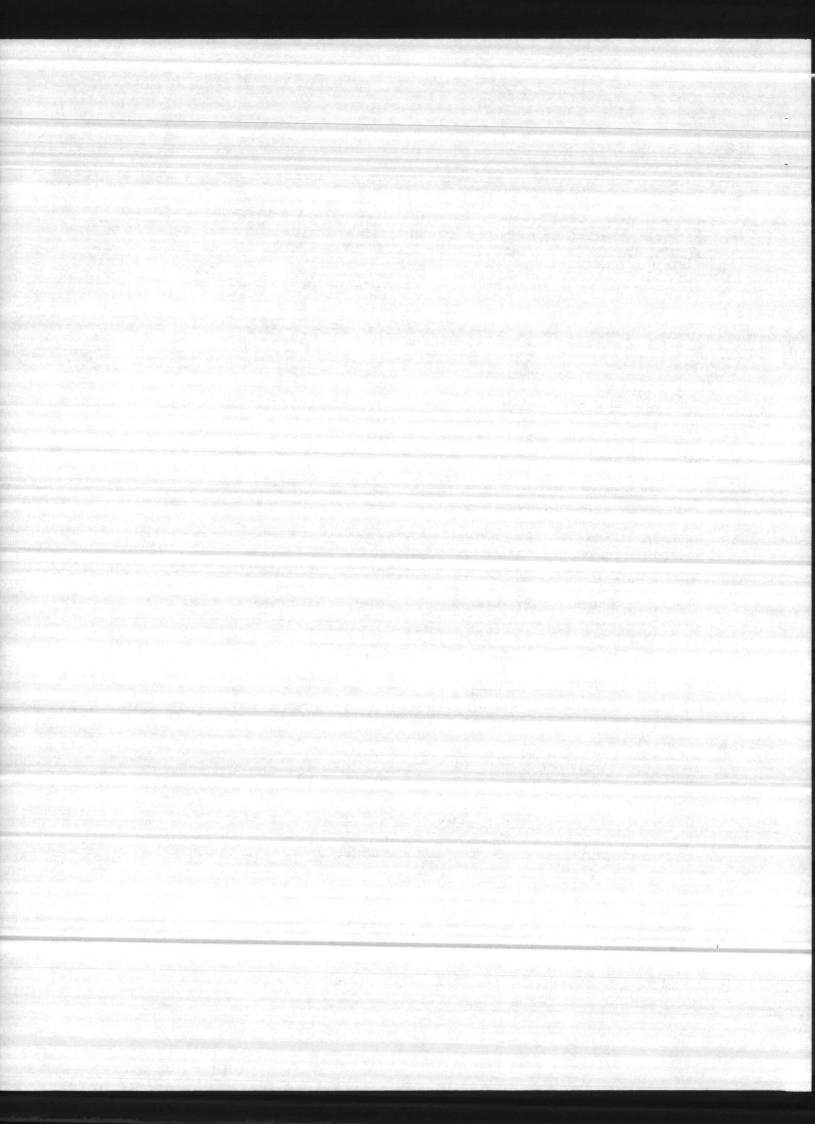
NEST #	DATE	TREATMEN CODE	T DATE HATCHED		ATION IME	CLUTCH SIZE*	# HATCHED *(HN)	SURVIVAL % *(HN/H+UH)
04	5/31	WIRE	8/01/86	60	days	117	96	82.0%
05	5/31	WIRE	8/01/86	60	days	120	110	91.7%
09	6/08	WIRE	8/25/86	78	days	90	72	80.0%
10	6/10	WIRE	8/25/86	76	days	52	18	34.6%
20	6/14	WIRE	8/19/86	66	days	132	122	92.4%
23	6/16	WIRE	9/08/86	64	days	99	69	69.7%
27	6/20	WIRE	8/19/86	53	days	128	121	94.5%
31	6/27	WIRE	8/22/86	59	days	146	124	84.9%
38	6/28	WIRE	8/22/86	58	days	124	84	67.7%
39	6/28	WIRE	8/22/86	58	days	126	52	41.3%
40	6/28	WIRE	8/2/86	56	days	114	109	95.6%
41	6/29	WIRE	9/01/86	65	days	119	117	98.3%
42	6/29	WIRE	9/12/86	76	days	147	42	23.6%
45	7/03	WIRE	8/25/86	50	days	123	115	93.5%
50	7/04	WIRE	8/25/86	49	days	105	100	95.2%
55	7/06	WIRE	9/01/86	57	days	168	156	92.9%
59	7/07	WIRE	9/08/86	63	days	153	145	94.8%
60	7/07	WIRE	9/01/86	56	days	133	106	79.7%
62	7/08	WIRE	9/08/86	62	days	152	131	36.8%
68	7/10	WIRE	9/09/86	64	days	101	71	70.0%
77	7/15	WIRE	9/15/86	60	days	84	60	71.4%

<sup>\*</sup> Clutch size determined from nest remains.

<sup>\*</sup> HN = hatched, escaped from nest

<sup>\*</sup>H = hatched

<sup>\*</sup> UH = unhatched



## NESTING RESULTS

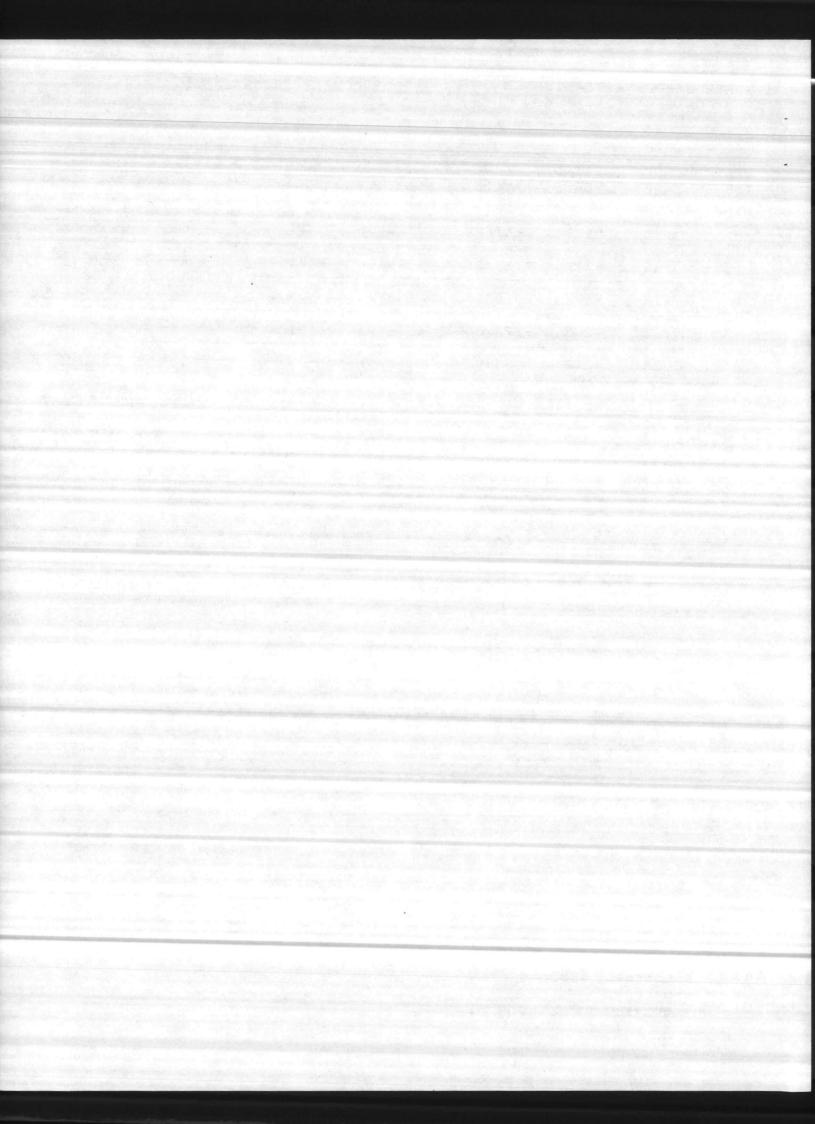
NEST #	DATE	TREATMENT	DATE HATCHED	INCUBATION TIME	CLUTCH SIZE*	# HATCHED (HN)	SURVIVAL % (HN/H+UH)
79	7/15	WIRE	9/27/86	74 days	81	61	75.3%
81	7/16	WIRE	9/15/86	61 days	134	82	61.2%
83	7/17	WIRE	9/27/86	72 days	123	33	26.8%
84	7/17	WIRE	9/20/86	65 days	106	. 94	88.7%
85	7/18	WIRE	9/27/86	71 days	133	113	84.9%
94	7/25	WIRE	10/01/86	67 days	89	59	75.3%
103	7/27	WIRE	10/13/86	78 days	104	9.4	90.4%
104	7/28	WIRE	10/13/86	77 days	115	115	100.0%
106	7/29/	WIRE	10/03/86	65 days	135	105	77.8%
111	8/04	WIRE	10/17/86	74 days	132	93	72.0%
112	8/09	WIRE	10/31/86	80 days	116	85	74.1%
				**************************************			

<sup>\*</sup> Clutch size determined from nest remains.

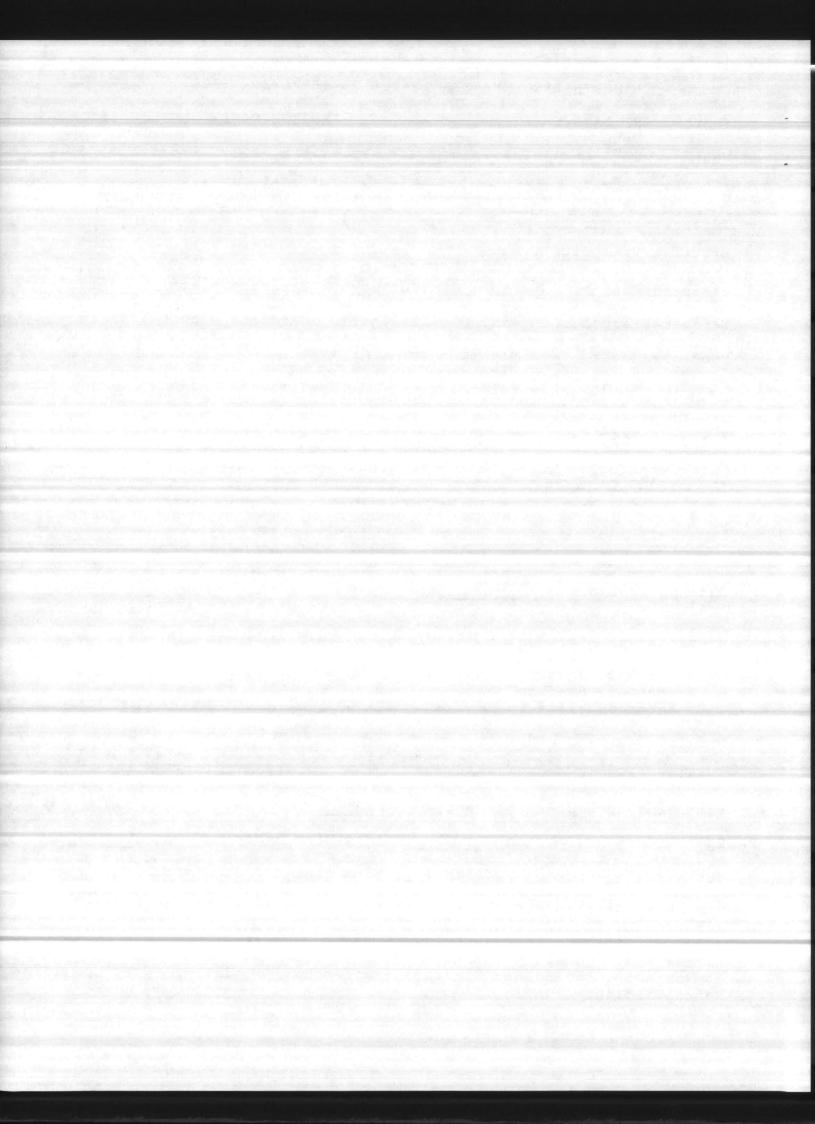
<sup>\*</sup> HN = hatched, escaped from nest

<sup>\*</sup> H = hatched

<sup>\*</sup> UH = unhatched

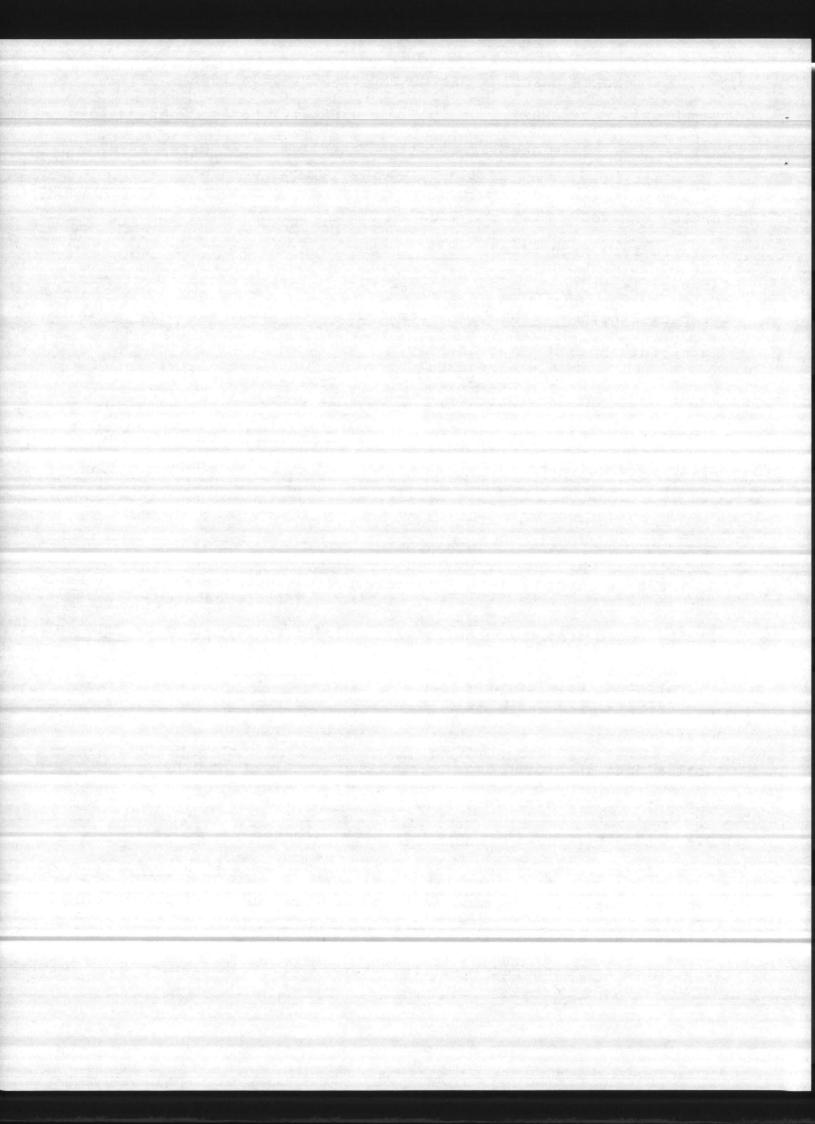


TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # 04 Date nest laid 5/31/86 Time laid 0230 (estimate)
Site Description 2.75 miles south of Risley Pier
Turtle observed Y N Tags Y N
Distance from high tide: 20 Ft.
Carapace length $N/A$ in. (Curved) Carapace width $N/A$ in.
Carapace length $N/A$ in. (Straight) Carapace width $N/A$ in.
Nest treatment: M = Marked only W = Wire cage R = Relocated H = Hatchery  Relocated where? 2.0 miles south of Risley Pier  (date: 6/09/86) N/A
Number of eggs: whole: 117 broken: 1 nest depth: 14 cm
Comments (predation, description of turtle, etc) N/A
HATCHING DATA
Date nest hatched: 8/01/86 (estimate?) Excavated by: G. E. FINLEY  Date excavated: 8/18/86
Hatched eggs, from which hatchlings escaped from egg $H = 97$
Hatched, escaped from nest $HN = 96$ Hatched, dead in nest $1$ Hatched, alive in nest $0$
Unhatched eggs UH = 20
Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$
Eggs with no discernible embryo N/A
Eggs with embryo $< 3$ cm $N/A$ Eggs with embryo $> 3$ cm $N/A$
Survival Percentage of hatchlings from nest $SP = \frac{HN}{H} = \frac{82}{V}$
Comments (factors affecting hatching success, deformed hatchlings, etc) N/A
Please leave no space blank. Enter "O" or "N/A" for data not available NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleigh North Carolina 27611.

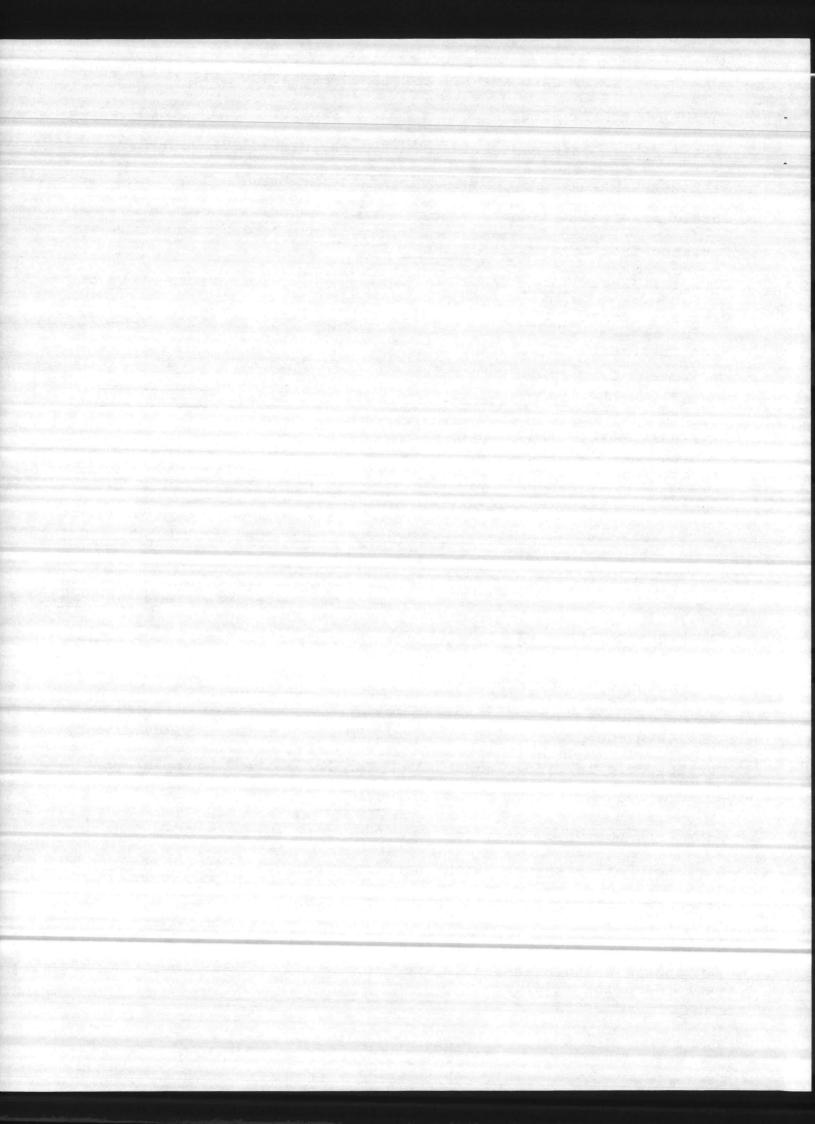


TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # $05$ Date nest laid $5/31/86$ Time laid $0230$ (estimate)
Site Description 2.5 miles north of Risley Pier
Turtle observed Y N Tags Y N
Distance from high tide: 20 Ft.
Carapace length $N/A$ in. (Curved) Carapace width $N/A$ in.
Carapace length $\frac{N/A}{}$ in. (Straight) Carapace width $\frac{N/A}{}$ in.
Nest treatment: M = Marked only  (W) = Wire cage  R = Relocated H = Hatchery  Time moved: N/A  N/A
Relocated where? N/A
Number of eggs: whole: 120 broken: 0 nest depth: 12 cm
Comments (predation, description of turtle, etc) N/A
HATCHING DATA
는 사용하는 사용하는 사용하는 사용하는 사용하는 사용하는 사용하는 사용하
Date nest hatched: 8/01/86 (estimate?) Excavated by: G. E. FINLEY Date excavated # 8/18/86
Date nest hatched: $8/01/86$ (estimate?) Excavated by: G. E. FINLEY Date excavated: $8/18/86$ Hatched eggs, from which hatchlings escaped from egg H = $110$
Date excavated: 6/10/00
Hatched eggs, from which hatchlings escaped from egg $H = \frac{110}{1}$ Hatched, escaped from nest $HN = \frac{110}{0}$ Hatched, dead in nest $HN = \frac{1}{0}$
Hatched eggs, from which hatchlings escaped from egg $H = \frac{110}{}$ Hatched, escaped from nest $HN = \frac{110}{}$ Hatched, dead in nest $0$ Hatched, alive in nest $0$
Hatched eggs, from which hatchlings escaped from egg $H = \frac{110}{}$ Hatched, escaped from nest $HN = \frac{110}{}$ Hatched, dead in nest $0$ Hatched, alive in nest $0$ Unhatched eggs $0$ Unhatched eggs $0$
Hatched eggs, from which hatchlings escaped from egg $H = 110$ Hatched, escaped from nest $HN = 110$ Hatched, dead in nest $0$ Hatched, alive in nest $0$ Unhatched eggs $0$ Unhatched eggs $0$ UH = $0$ Turtles dead in pipped eggs $0$ Turtles alive in pipped eggs $0$
Hatched eggs, from which hatchlings escaped from egg $H = 110$ Hatched, escaped from nest $HN = 110$ Hatched, dead in nest $0$ Hatched, alive in nest $0$ Unhatched eggs $0$ Unhatched eggs $0$ Turtles dead in pipped eggs $0$ Eggs with no discernible embryo $0$ Eggs with embryo $0$ Survival Percentage of hatchlings from nest $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$
Hatched eggs, from which hatchlings escaped from egg H = 110  Hatched, escaped from nest HN = 110  Hatched, dead in nest O  Hatched, alive in nest O  Unhatched eggs UH = 10  Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A  Eggs with no discernible embryo N/A  Eggs with embryo <3 cm N/A Eggs with embryo >3 cm N/A

North Carolina 27611.

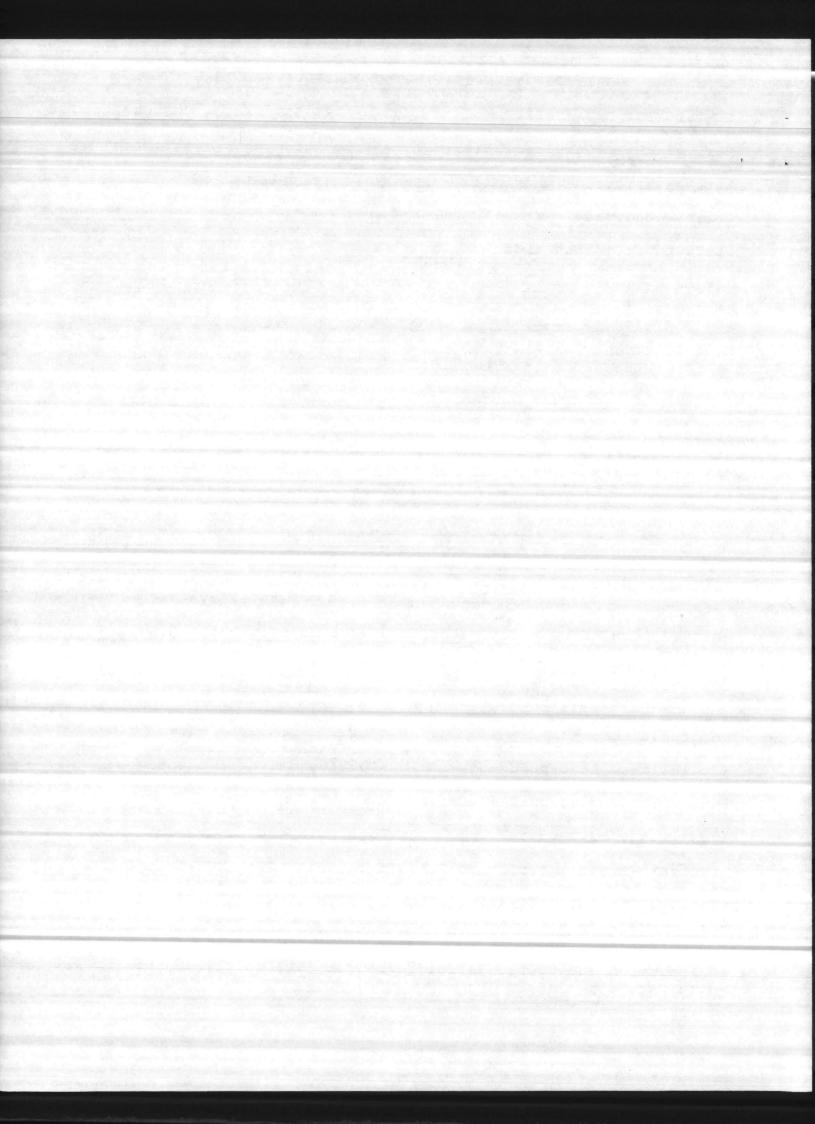


TURTLE NEST DATA	SHEET PROJECT NAME: ONSLOW BEACH
Nest # 09 Dat	te nest laid 6/08/86 Time laid 0730 (estimate)
Site Description	.65 miles north of Risley Pier
Turtle observed	Y N Tags Y N
Distance from hig	gh tide: 45 Ft.
Carapace length _	N/A in. (Curved) Carapace width $N/A$ in.
Carapace length _	N/A in. (Straight) Carapace width $N/A$ in.
	$M = Marked only$ $\widehat{W} = Wire cage$ $R = Relocated$ $H = Hatchery$ $M = Marked only$ $M = Marked onl$
Relocated where?	N/A
Number of eggs:	whole: 90 broken: 0 nest depth: 14 cm
Date nest hatched	d: 8/25/86 (estimate?) Excavated by: G. E. FINLEY Date excavated: 8/27/86
Hatched eggs, fro	om which hatchlings escaped from egg $H = 72$
Hatched, dea	caped from nest $HN = \frac{72}{0}$ ad in nest $0$
Unhatched eggs	UH = 18
Turtles dead in	pipped eggs $N/A$ . Turtles alive in pipped eggs $N/A$
Eggs with no disc	cernible embryo N/A
Eggs with embryo	<3 cm $N/A$ Eggs with embryo $\rightarrow$ 3 cm $N/A$
Survival Percent	age of hatchlings from nest $SP = \frac{HN}{H} = \frac{80 \%}{+ UN}$
Comments (factor etc) N/A	s affecting hatching success, deformed hatchlings,
Please leave no NC Nongame & End North Carolina	space blank. Enter "O" or "N/A" for data not available angered Wildlife Program, 512 N. Salisbury St., Raleic 27611.

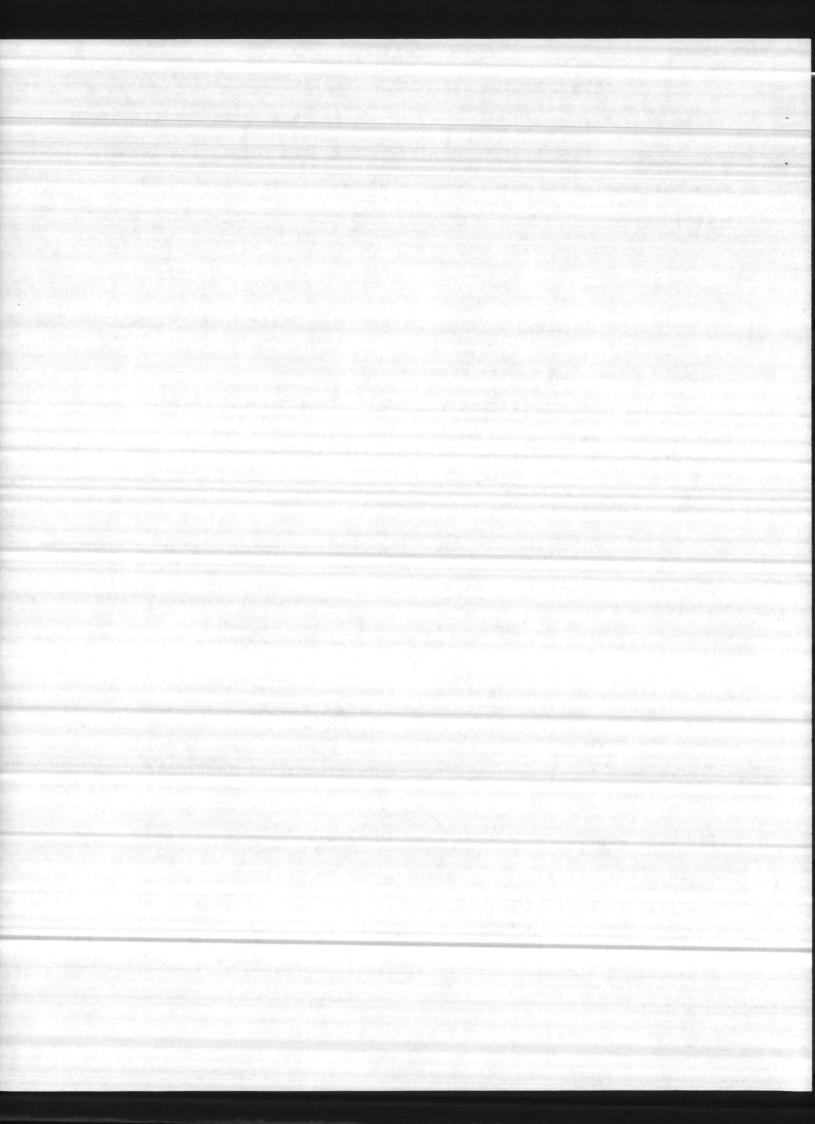


TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # 10 Date nest laid 6/10/86 Time laid 0830 (estimate)
Site Description 1.9 miles north of Risley Pier
Turtle observed Y N Tags Y N
Distance from high tide: 15 Ft.
Carapace length $N/A$ in. (Curved) Carapace width $N/A$ in.
Carapace length $\frac{N/A}{}$ in. (Straight) Carapace width $\frac{N/A}{}$ in.
Nest treatment: $M = Marked only$
Relocated where? N/A
Number of eggs: whole: 52 broken: 0 nest depth: 12 cm
Comments (predation, description of turtle, etc) N/A
HATCHING DATA
Date nest hatched: 8/25/86 (estimate?) Excavated by: G.E. Finley Date excavated: 9/02/86
Hatched eggs, from which hatchlings escaped from egg $H = 19$
Hatched, escaped from nest $HN = \frac{18}{1}$ Hatched, dead in nest $\frac{1}{0}$
Unhatched eggs UH = 33
Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$
Eggs with no discernible embryo N/A
Eggs with embryo $<$ 3 cm $\frac{N/A}{}$ Eggs with embryo $>$ 3 cm $\frac{N/A}{}$
Survival Percentage of hatchlings from nest $SP = \frac{HN}{H} = 34.6\%$
Comments (factors affecting hatching success, deformed hatchlings, etc) $N/A$

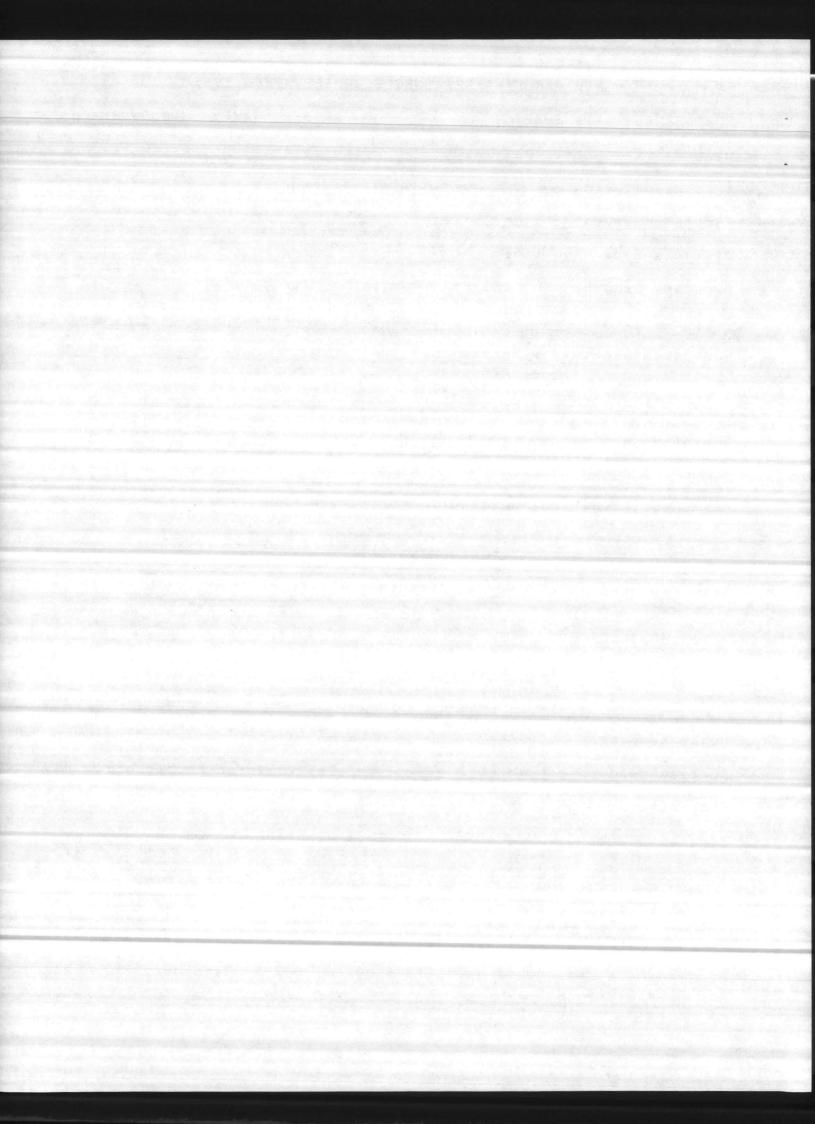
North Carolina 27611.



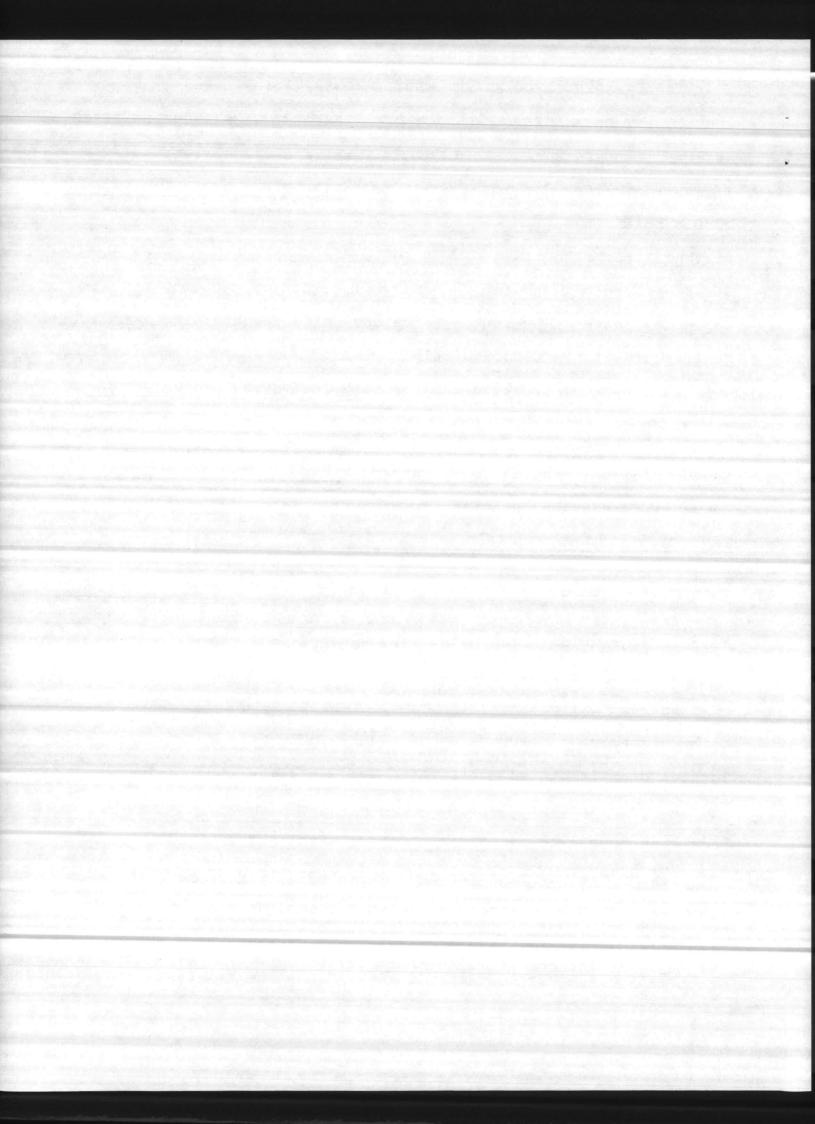
TURTLE NEST DATA SH	ET P	ROJECT NAME: ON	SLOW BEACH
Nest # 20 Date	nest laid $6/14/86$ Time	laid <u>0030</u> (es	timate)
Site Description 1	.5 miles north of Ris	ley Pier	
Turtle observed (	N Tags Y N		
Distance from high	cide: N/A Ft.		
Carapace length	/A in. (Curved)	Carapace width	N/A in.
Carapace length	/A in. (Straight)	Carapace width	N/A in.
R H	= Wire cage = Relocated T = Hatchery T	ime moved: N/A	0
Relocated where?	.7 miles north of Ris	ley Pier	
Number of eggs: wh	ole: 132 broken: _	0 nest dept	h: <u>N/A</u> cm
	HATCHING DATA		
	8/14/86 (estimate?)	Date excavate	8/20/86
	which hatchlings esca		H = 124
Hatched, escap Hatched, dead Hatched, alive		121 2 1	
Unhatched eggs	UH =	8	
Turtles dead in pip	ped eggs N/A Turt]	les alive in pip	ped eggs N/A
Eggs with no discer	nible embryo N/A		
Eggs with embryo <3	cm N/A Eggs v	with embryo >3	m N/A
Survival Percentage	of hatchlings from r	nest SP = $\frac{HN}{H} = \frac{1}{H} = 1$	90 %
Comments (factors a etc) N/A	ffecting hatching suc		hatchlings,
Please leave no spa NC Nongame & Endang North Carolina 276	ce blank. Enter "O" ered Wildlife Program ll.	or "N/A" for da m, 512 N. Salisb	ta not availa ury St., Rale



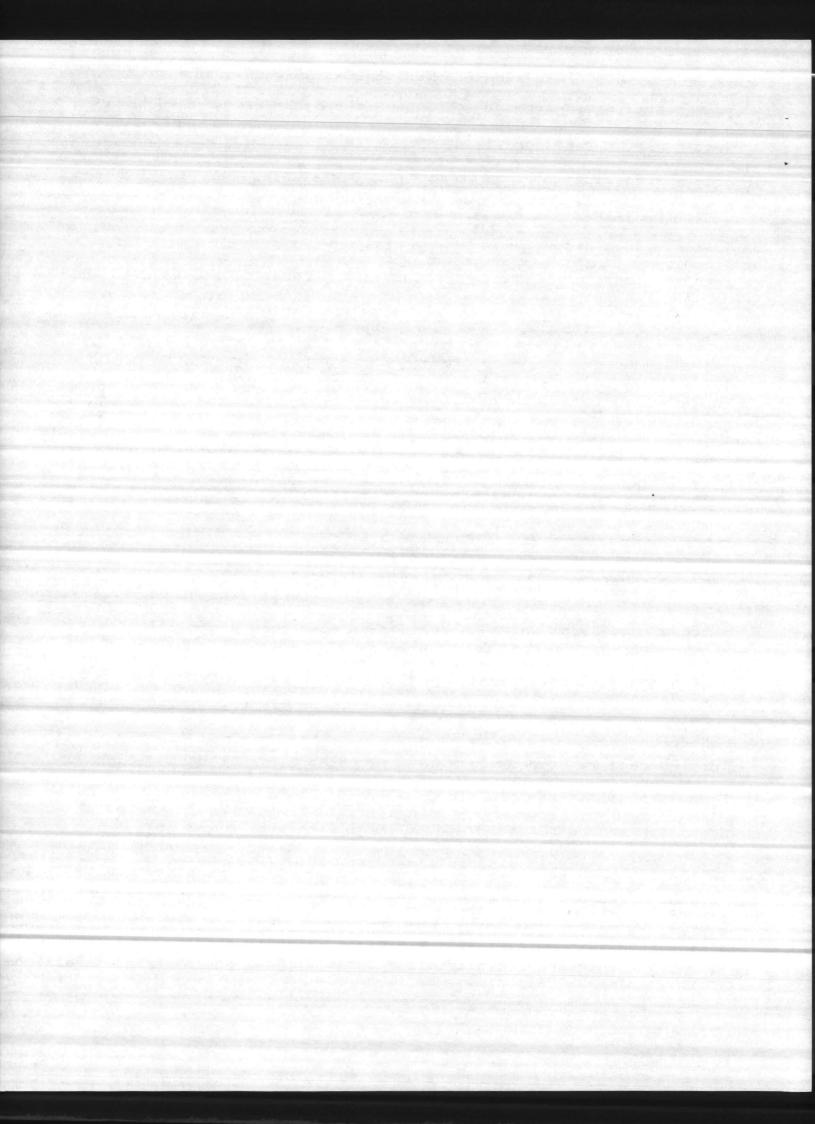
TURTLE NEST DATA	SHEET	PROJECT NAME:	ONSLOW BEACH
Nest # 23 Da	te nest laid $\frac{6/16/86_{\text{Tim}}}{}$	me laid 0130	(estimate)
Site Description	0.4 miles north of R	isley Pier	
Turtle observed	Y N Tags Y N		
Distance from hi	gh tide: 35 Ft.		
Carapace length	N/A in. (Curved)	Carapace wi	dth $\frac{N/A}{}$ in.
Carapace length	N/A in. (Straight	) Carapace wi	dth $\frac{N/A}{}$ in.
	M = Marked only W = Wire cage R = Relocated H = Hatchery	Time moved:	1700 N/A
Relocated where?	0.4 miles north of R	isley Pier up o	on dunes
Number of eggs:	whole: 99 broken:	3 nest	depth: 12 cm
	A STATE OF THE PROPERTY OF THE	rtle etc)	N/A
Comments (predat	ion, description of tu		
	HATCHING DATA ed: 9/06/86 (estimate	:?) Excavated	
Date nest hatche	HATCHING DATA	e?) Excavated Date exca	by: G.E. Finley vated: 9/08/86
Date nest hatche Hatched eggs, fr Hatched, es Hatched, de	<u>HATCHING DATA</u> ed: 9/06/86 (estimate	2) Excavated Date excar scaped from egg	by: G.E. Finley vated: 9/08/86
Date nest hatche Hatched eggs, fr Hatched, es Hatched, de Hatched, al	HATCHING DATA ed: 9/06/86 (estimate com which hatchlings es scaped from nest HN ead in nest live in nest	Excavated Date excaused from egg $I = \frac{69}{0}$	by: G.E. Finley vated: 9/08/86
Date nest hatche  Hatched eggs, fr  Hatched, es  Hatched, de  Hatched, al	HATCHING DATA ed: 9/06/86 (estimate com which hatchlings es scaped from nest HN ead in nest live in nest	Excavated Date excavated Compared from egginning $\frac{69}{0}$ $\frac{69}{0}$ $\frac{1}{0}$ $\frac{1}{0}$ $\frac{1}{0}$ $\frac{1}{0}$ $\frac{1}{0}$	by: G.E. Finley vated: 9/08/86  H = 69
Date nest hatched Hatched eggs, from Hatched, eso Hatched, deo Hatched, al Unhatched eggs Turtles dead in	HATCHING DATA ed: 9/06/86 (estimate com which hatchlings es scaped from nest HN ead in nest live in nest	Excavated Date excavated Compared from egginning $\frac{69}{0}$ $\frac{69}{0}$ $\frac{1}{0}$ $\frac{1}{0}$ $\frac{1}{0}$ $\frac{1}{0}$ $\frac{1}{0}$	by: G.E. Finley vated: 9/08/86  H = 69
Date nest hatched Hatched eggs, from Hatched, eso Hatched, deo Hatched, al Unhatched eggs Turtles dead in	HATCHING DATA ed: 9/06/86 (estimate com which hatchlings es scaped from nest ead in nest live in nest  UH pipped eggs N/A Tur scernible embryo N/A	Excavated Date excavated Compared from egginning $\frac{69}{0}$ $\frac{69}{0}$ $\frac{1}{0}$ $\frac{1}{0}$ $\frac{1}{0}$ $\frac{1}{0}$ $\frac{1}{0}$	by: G.E. Finley vated: 9/08/86  H = 69  pipped eggs N/A
Date nest hatched Hatched eggs, fr Hatched, es Hatched, de Hatched, al Unhatched eggs Turtles dead in Eggs with no dis	HATCHING DATA ed: 9/06/86 (estimate com which hatchlings es scaped from nest ead in nest live in nest  UH pipped eggs N/A Tur scernible embryo N/A	Excavated Date excavated Date excavated Excaped from egg $I = \frac{69}{0}$ $I = \frac{30}{0}$ Excavated Date excavated Date excavated Excaped from egg $I = \frac{69}{0}$ $I = \frac{30}{0}$ Excavated Date excavated Date excavated Excaped from egg $I = \frac{69}{0}$ $I = \frac{30}{0}$ Excavated Date excavated Date excavated Excaped from egg $I = \frac{69}{0}$ $I = \frac{30}{0}$ Excaped from egg $I = \frac{30}{0}$ E	by: G.E. Finley vated: 9/08/86  H = 69  pipped eggs N/A  >3 cm N/A = 69.7%



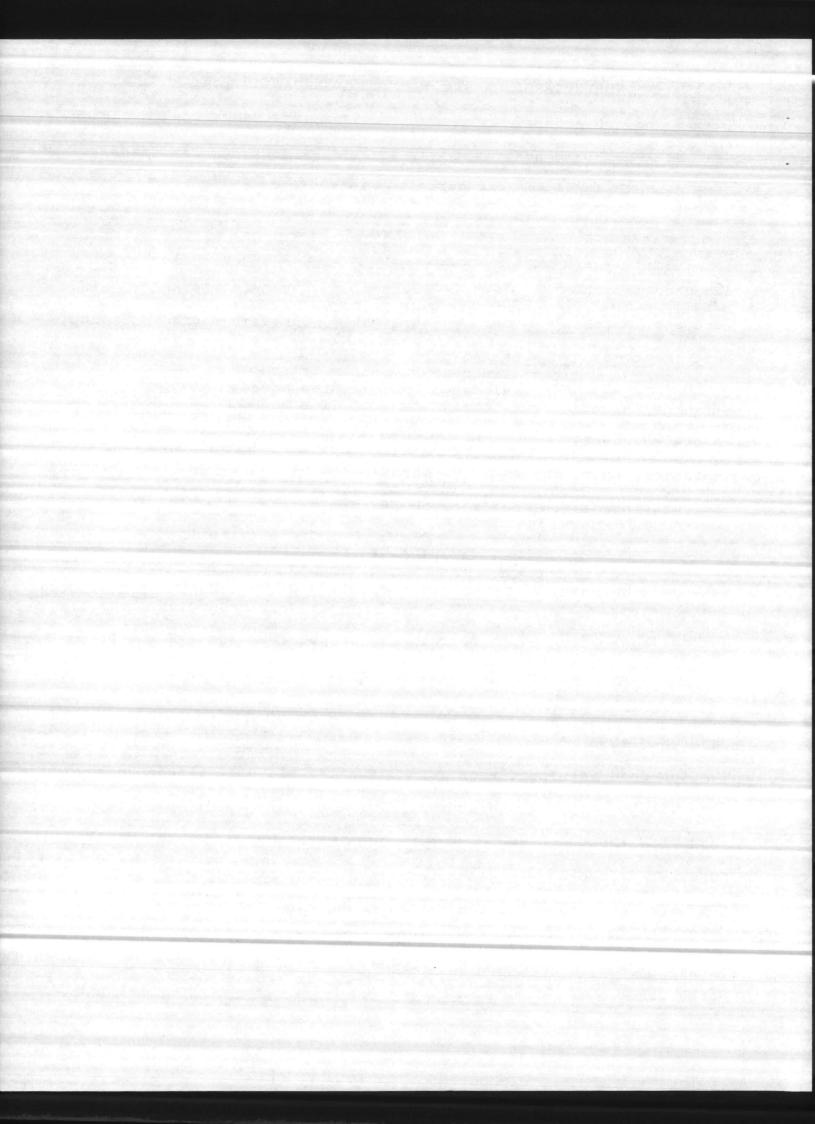
TURTLE NEST	DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # 27	Date nest laid 6/20/86 Time laid 0400 (estimate)
Site Descrip	otion 1.8 miles north of Risley Pier
Turtle obser	rved YN Tags YN
Distance fro	om high tide: 35 Ft.
Carapace ler	ngth $N/A$ in. (Curved) Carapace width $N/A$ in.
Carapace ler	ngth $N/A$ in. (Straight) Carapace width $N/A$ in.
	ent: M = Marked only  W = Wire cage  R = Relocated
Relocated wh	nere? 2.7 miles north of Risley Pier
Number of eq	ggs: whole: 128 broken: 0 nest depth: 40 cm
	atched: 8/19/86 (estimate?) Excavated by: W.G. Bostic Date excavated: 8/20/86
	s, from which hatchlings escaped from egg $H = 121$
Hatched	d, escaped from nest $HN = \frac{121}{0}$ d, dead in nest $0$ d, alive in nest $0$
Unhatched ed	ggs UH = 7
Turtles dead	d in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$
Eggs with n	o discernible embryo N/A
Eggs with e	mbryo <3 cm N/A Eggs with embryo >3 cm N/A
Survival Pe	rcentage of hatchlings from nest $SP = \frac{HN}{H} = \frac{94.5}{4}\%$
Comments (f etc) N/A	actors affecting hatching success, deformed hatchlings,
etc) N/A	



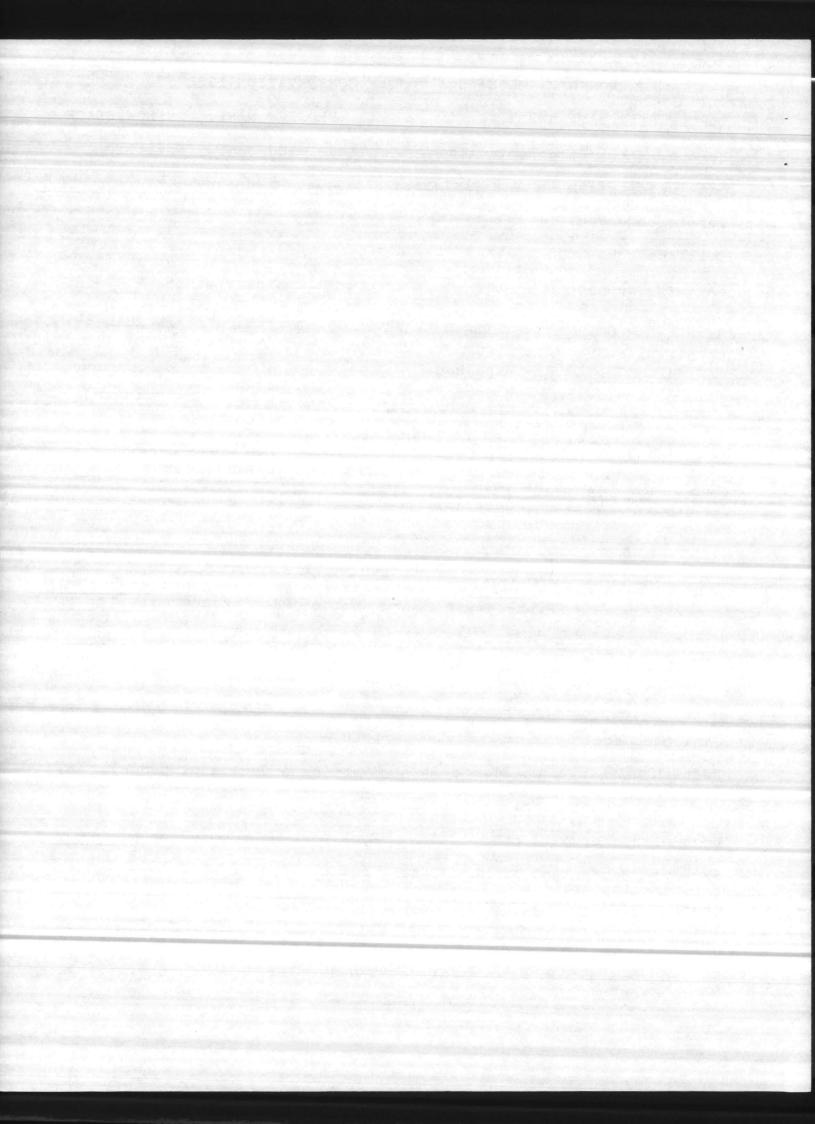
TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # 31 Date nest laid 6/27/86 Time laid 0125 (estimate)
Site Description 2.0 miles north of Risley Pier
Turtle observed (Y) N Tags (Y) N
Distance from high tide: N/A Ft.
Carapace length $N/A$ in. (Curved) Carapace width $N/A$ in.
Carapace length $N/A$ in. (Straight) Carapace width $N/A$ in.
Nest treatment: M = Marked only  W = Wire cage  R = Relocated H = Hatchery  Time moved: 0125  N/A
Relocated where? 2.7 miles north of Risley Pier
Number of eggs: whole: 146 broken: 0 nest depth: 50 cm
Comments (predation, description of turtle, etc) N/A
HATCHING DATA
Date nest hatched: 8/22/86 (estimate?) Excavated by: G.E. Finley Date excavated: 8/25/86
그들이 그는 말이 가장 하게 되었다. 그리고 있는 그리고 있는 그리고 있다면 하는 것이 되었다. 그리고 있는 그리고 있는 것이 없는 것이 없습니 없는 것이 없는 것이 없는 것이 없습니 없는 것이 없습니 없는 것이 없습니
Hatched eggs, from which hatchlings escaped from egg $H = 125$
Hatched eggs, from which hatchlings escaped from egg $H = 125$ Hatched, escaped from nest $HN = 124$ Hatched, dead in nest $1$
Hatched eggs, from which hatchlings escaped from egg $H = 125$ Hatched, escaped from nest $HN = 124$ Hatched, dead in nest $1$ Hatched, alive in nest $0$
Hatched eggs, from which hatchlings escaped from egg $H = 125$ Hatched, escaped from nest $HN = 124$ Hatched, dead in nest $1$ Hatched, alive in nest $0$ Unhatched eggs $UH = 21$
Hatched eggs, from which hatchlings escaped from egg $H = 125$ Hatched, escaped from nest $HN = 124$ Hatched, dead in nest $1$ Hatched, alive in nest $0$ Unhatched eggs $UH = 21$ Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$
Hatched eggs, from which hatchlings escaped from egg $H = 125$ Hatched, escaped from nest $HN = 124$ Hatched, dead in nest $0$ Unhatched eggs  UH = 21  Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$ Eggs with no discernible embryo $N/A$ Eggs with embryo <3 cm $N/A$ Eggs with embryo >3 cm $N/A$
Hatched eggs, from which hatchlings escaped from egg $H = 125$ Hatched, escaped from nest $HN = 124$ Hatched, dead in nest $0$ Unhatched eggs  UH = 21  Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$ Eggs with no discernible embryo $N/A$ Eggs with embryo <3 cm $N/A$ Eggs with embryo <3 cm $N/A$



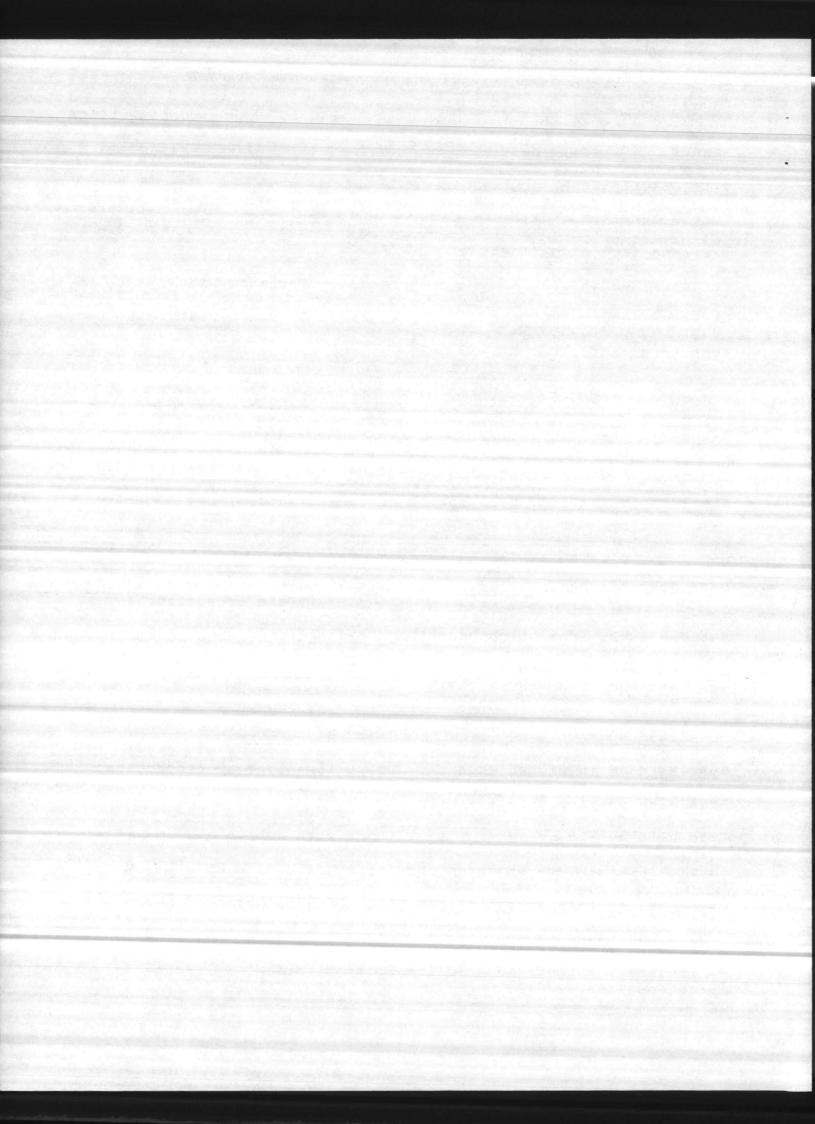
TURTLE NEST DATA	A SHEET	PROJECT	NAME: ON	SLOW BEACH
Nest # 38 Da	ate nest laid 6/28/86	Time laid	0900 (es	timate)
Site Description	4.4 miles north of	Risley Pier	the state of the s	
Turtle observed	Y N Tags	Y (N)		
Distance from h	igh tide: $\frac{N/A}{}$ Ft	t.		
Carapace length	N/A in. (Curve	ed) Carag	pace width	N/A in.
Carapace length	N/A in. (Straig	ght) Carag	pace width	N/A in.
	<pre>M = Marked only W = Wire cage R = Relocated H = Hatchery</pre>	Time mov	ved: N/A	0
	? 2.7 miles north of			tage to
Number of eggs:	whole: 124 broke	en: _0	nest dept	$h: \frac{N/A}{}$ cm
	tion, description of	turtle, etc	N/A	
Comments (preda	HATCHING D. ed: 8/22/86 (estimate)	ATA ate?) Exc	avated by:	G.E. Finley
Date nest hatch	HATCHING D	ATA ate?) Exc Date	avated by: e excavate	G.E. Finleyed: 8/25/86
Date nest hatch Hatched eggs, f Hatched, e Hatched, d	HATCHING D.	ATA  ate?) Exc. Date  escaped from	avated by: e excavate om egg H	G.E. Finleyed: 8/25/86
Date nest hatch Hatched eggs, f Hatched, e Hatched, d	HATCHING D.  ed: 8/22/86 (estimate)  rom which hatchlings  scaped from nest ead in nest	ate?) Excapate escaped from the escaped	avated by: e excavate om egg H	G.E. Finleyed: 8/25/86
Date nest hatch Hatched eggs, f Hatched, e Hatched, d Hatched, a Unhatched eggs	HATCHING D.  ed: 8/22/86 (estimate of the state of the st	ate?) Exc. Date escaped from the escape	avated by: e excavate om egg H	G.E. Finley ed: 8/25/86
Date nest hatch Hatched eggs, f Hatched, e Hatched, d Hatched, a Unhatched eggs Turtles dead in	HATCHING D.  ed: 8/22/86 (estimate of the state of the st	ate?) Exc. Date escaped from the escape	avated by: e excavate om egg H	G.E. Finley ed: 8/25/86
Date nest hatch Hatched eggs, f Hatched, e Hatched, d Hatched, a Unhatched eggs Turtles dead in	HATCHING D.  ed: 8/22/86 (estimate of the state of the st	ATA  ate?) Exc. Date  escaped from $HN = 84$ $0$ $0$ $0$ $0$ Turtles ali	avated by: e excavate om egg H	G.E. Finley ed: 8/25/86  1 = 84  Ded eggs N/A
Date nest hatch Hatched eggs, f Hatched, e Hatched, d Hatched, a Unhatched eggs Turtles dead in Eggs with no di	HATCHING D.  ed: 8/22/86 (estimate of the state of the st	ate?) Exc. Date escaped from the escaped from $\frac{84}{0}$ UH = $\frac{40}{1}$ Turtles aligned by $\frac{1}{2}$ Eggs with embedding $\frac{1}{2}$	avated by: e excavate om egg H	G.E. Finley ed: 8/25/86  I = 84  Ded eggs N/A



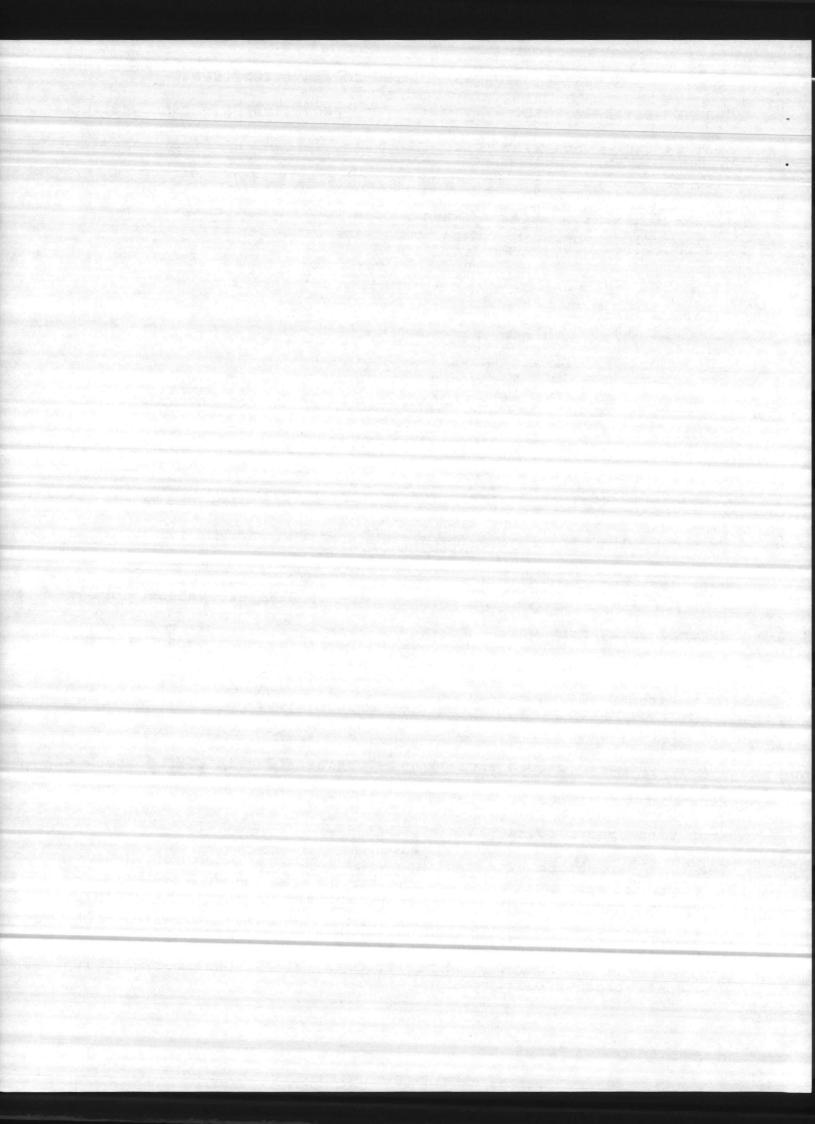
TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # 39 Date nest laid 6/28/86 Time laid 1000 (estimate)
Site Description 4.4 miles north of Risley Pier
Turtle observed Y N Tags Y N
Distance from high tide: N/A Ft.
Carapace length $N/A$ in. (Curved) Carapace width $N/A$ in.
Carapace length $N/A$ in. (Straight) Carapace width $N/A$ in.
Nest treatment: M = Marked only  W = Wire cage  R = Relocated Time moved: 1000  H = Hatchery Time moved: N/A
Relocated where? 2.7 miles north of Risley Pier
Number of eggs: whole: $126$ broken: $0$ nest depth: $N/A$ cm
Comments (predation, description of turtle, etc) N/A
HATCHING DATA
Date nest hatched: 8/22/86 (estimate?) Excavated by: G.E. FINLEY Date excavated: 8/25/86
Hatched eggs, from which hatchlings escaped from egg $H = 52$
Hatched, escaped from nest $HN = 52$ Hatched, dead in nest $0$ Hatched, alive in nest $0$
Unhatched eggs UH = 74
Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$
Eggs with no discernible embryo N/A
Eggs with embryo $<$ 3 cm $N/A$ Eggs with embryo $>$ 3 cm $N/A$
Survival Percentage of hatchlings from nest $SP = \frac{HN}{H} = \frac{58}{4}\%$
Comments (factors affecting hatching success, deformed hatchlings, etc) N/A
Please leave no space blank. Enter "O" or "N/A" for data not available NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleic North Carolina 27611.



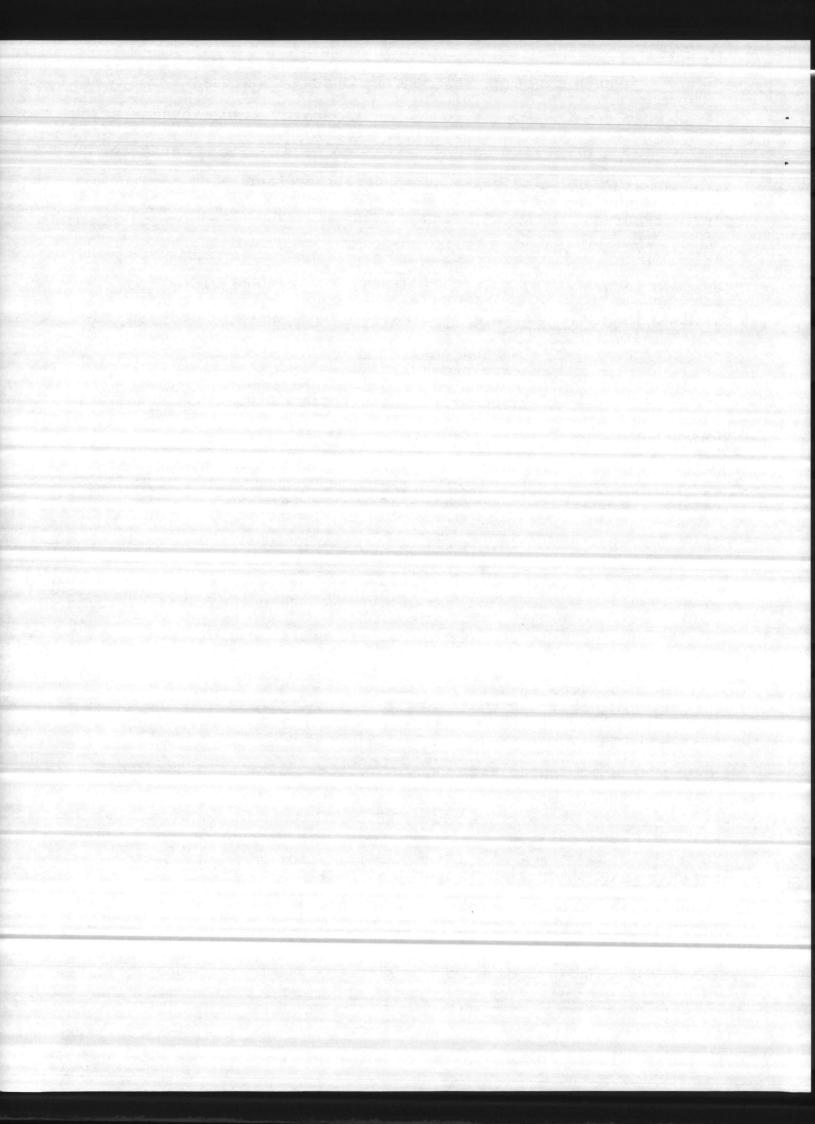
TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # 40 Date nest laid 6/28/86 Time laid 2330 (estimate)
Site Description 0.1 mile north of Risley Pier
Turtle observed Y N Tags Y N
Distance from high tide: N/A Ft.
Carapace length 73 in. (Curved) Carapace width 93 in.
Carapace length 90 in. (Straight) Carapace width 98 in.
Nest treatment: M = Marked only  W = Wire cage  R = Relocated Time moved: 2330  H = Hatchery Time moved: N/A
Relocated where?
Number of eggs: whole: 114 broken: 0 nest depth: 50 cm
Comments (predation, description of turtle, etc) N/A
HATCHING DATA
Date nest hatched: 8/20/86 (estimate?) Excavated by: W.G. BOSTIC Date excavated: 8/21/86
Hatched eggs, from which hatchlings escaped from egg $H = 109$
Hatched, escaped from nest $HN = 108$ Hatched, dead in nest $0$ Hatched, alive in nest $1$
Unhatched eggs UH = 5
Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$
Eggs with no discernible embryo N/A
Eggs with embryo $< 3$ cm $N/A$ Eggs with embryo $> 3$ cm $N/A$
Survival Percentage of hatchlings from nest $SP = \frac{HN}{H} = \frac{94.7}{V}$
Comments (factors affecting hatching success, deformed hatchlings, etc) N/A
Please leave no space blank. Enter "O" or "N/A" for data not available NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleigh North Carolina 27611.



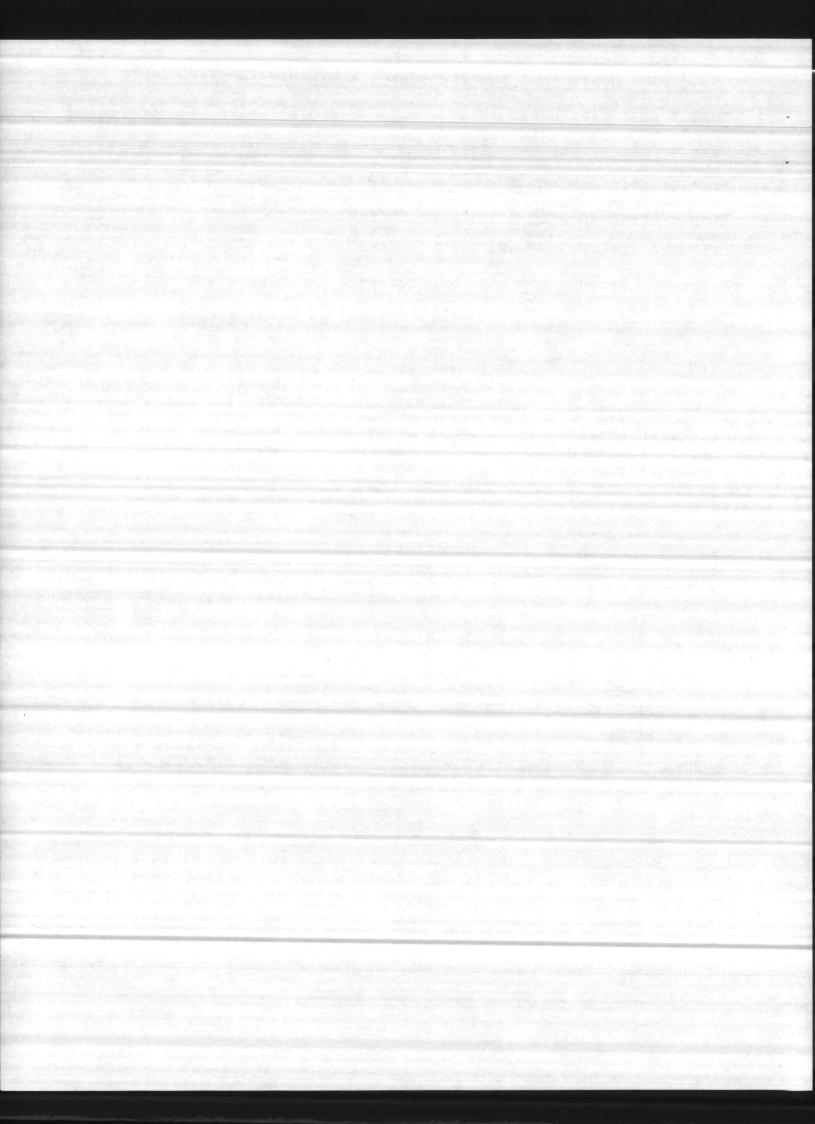
TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # 41 Date nest laid 6/29/86 Time laid 0100 (estimate)
Site Description 2.5 miles north of Risley Pier
Turtle observed  N Tags  N
Distance from high tide: 15 Ft.
Carapace length 90 in. (Curved) Carapace width 70 in.
Carapace length 97 in. (Straight) Carapace width 80 in.
Nest treatment: M = Marked only  W = Wire cage  R = Relocated
Relocated where? 2.7 miles north of Risley Pier
Number of eggs: whole: 119 broken: 0 nest depth: 40 cm
Comments (predation, description of turtle, etc) N/A
HATCHING DATA
Date nest hatched: 9/01/86 (estimate?) Excavated by: G.E.FINLEY Date excavated: 9/02/86
Hatched eggs, from which hatchlings escaped from egg $H = 117$
Hatched, escaped from nest $HN = \frac{113}{0}$ Hatched, dead in nest $\frac{0}{4}$
Unhatched eggs UH = 2
Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$
Eggs with no discernible embryo N/A
Eggs with embryo $< 3$ cm $N/A$ Eggs with embryo $> 3$ cm $N/A$
Survival Percentage of hatchlings from nest $SP = \frac{HN}{H} = \frac{98.3\%}{100}$
Comments (factors affecting hatching success, deformed hatchlings, etc) N/A
Please leave no space blank. Enter "O" or "N/A" for data not available NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleigh, North Carolina 27611.



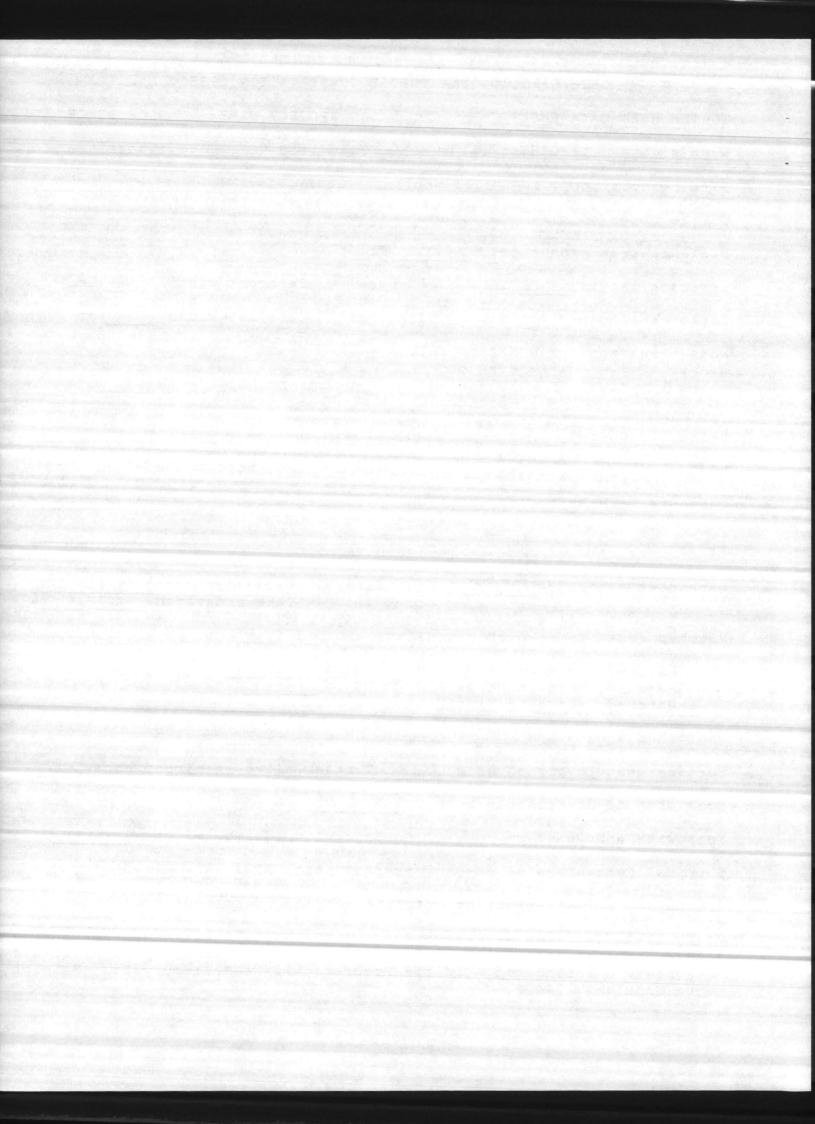
TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # $\frac{42}{2}$ Date nest laid $\frac{6/29/86}{29}$ Time laid $\frac{0330}{29}$ (estimate)
Site Description 0.9 miles north of Risley Pier
Turtle observed Y N Tags Y N
Distance from high tide: N/A Ft.
Carapace length 102 in. (Curved) Carapace width 90 in.
Carapace length 98 in. (Straight) Carapace width 90 in.
Nest treatment: M = Marked only  W = Wire cage  R = Relocated Time moved: 0330  H = Hatchery Time moved: N/A
Relocated where? 0.6 miles north of Risley Pier
Number of eggs: whole: 147 broken: 0 nest depth: 50 cm
Comments (predation, description of turtle, etc) N/A
HATCHING DATA
Date nest hatched: 9/12/86 (estimate?) Excavated by: G. E. FINLEY Date excavated: 9/12/86
Hatched eggs, from which hatchlings escaped from egg $H = 42$
Hatched, escaped from nest $HN = 42$ Hatched, dead in nest $0$ Hatched, alive in nest $0$
Unhatched eggs UH = 105
Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A
Turties dead in pipped eggs Turties direct in pipped eggs
Eggs with no discernible embryo N/A
Eggs with no discernible embryo $N/A$ Eggs with embryo $3$ cm $N/A$ Eggs with embryo $3$ cm $N/A$ Survival Percentage of hatchlings from nest $SP = HN = 28.5\%$
Eggs with no discernible embryo $N/A$ Eggs with embryo $< 3$ cm $N/A$ Eggs with embryo $> 3$ cm $N/A$



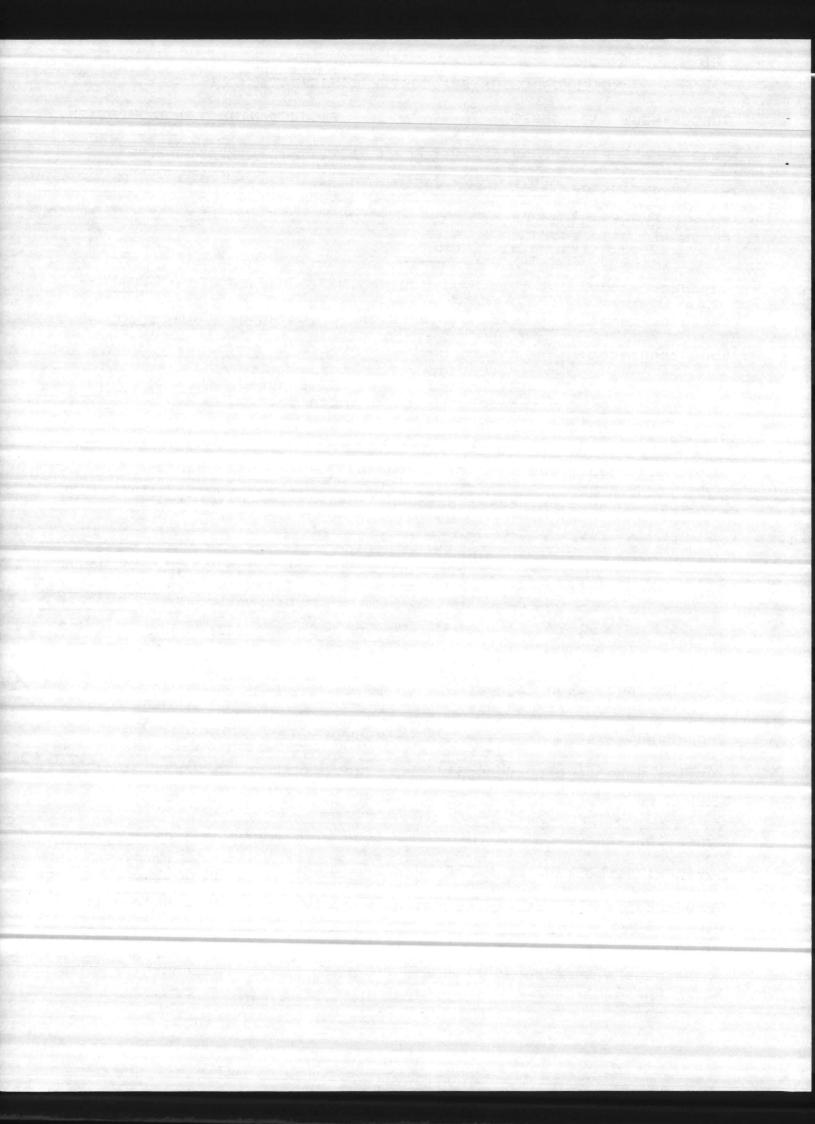
TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # 45 Date nest laid 7/03/86 Time laid 0330 (estimate)
Site Description 2.2 miles north of Risley Pier
Turtle observed ③ N Tags ④ N
Distance from high tide:75 Ft.
Carapace length 104 in. (Curved) Carapace width 87 in.
Carapace length 100 in. (Straight) Carapace width 77 in.
Nest treatment: M = Marked only  W = Wire cage  R = Relocated
Relocated where?06 miles north of Risley Pier  Number of eggs: whole: 123 broken:0 nest depth:44 cm
Comments (predation, description of turtle, etc) N/A
HATCHING DATA
Date nest hatched: 8/25/86 (estimate?) Excavated by: G. E. FINLEY Date excavated: 8/27/86
Hatched eggs, from which hatchlings escaped from egg $H = 115$
Hatched, escaped from nest $HN = \frac{113}{0}$ Hatched, dead in nest $\frac{0}{2}$
Unhatched eggs UH = 8
그는 사람들은 경험하는 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은
Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$
Eggs with no discernible embryo N/A
Eggs with no discernible embryo N/A



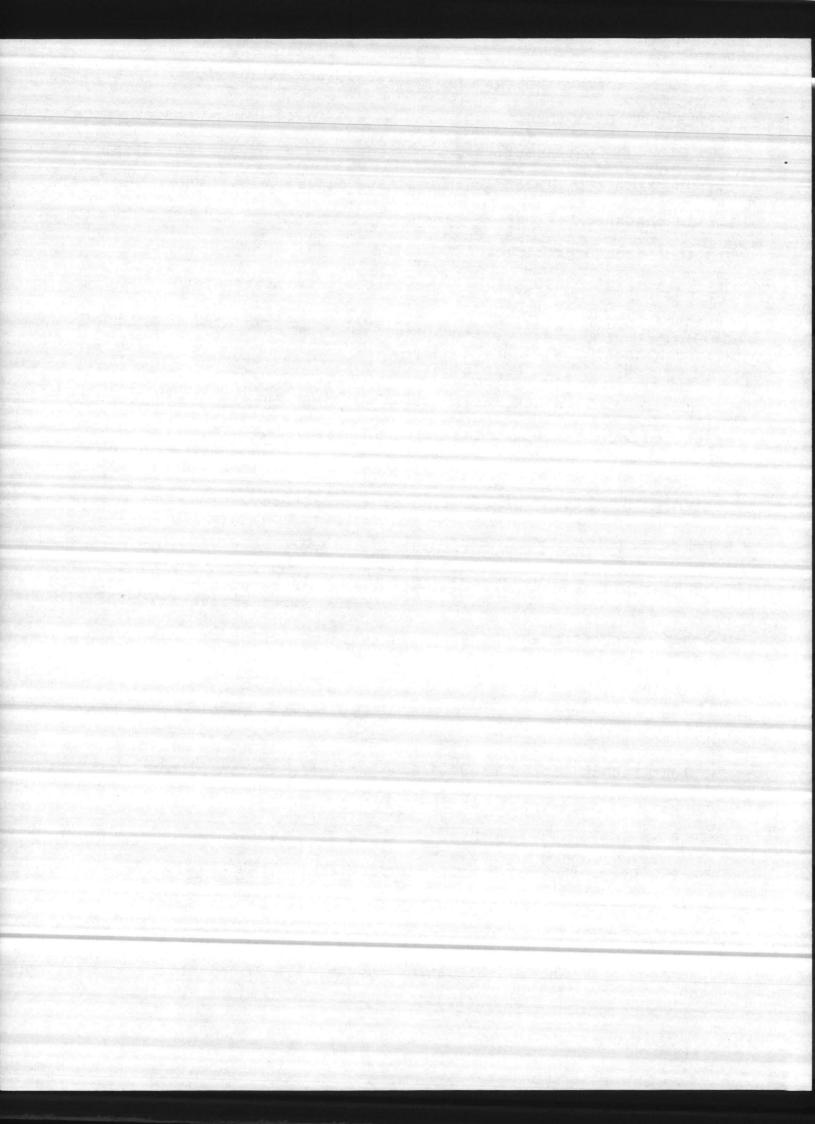
TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # 50 Date nest laid 7/04/86 Time laid 0200 (estimate)
Site Description 1.4 miles south of Risley Pier
Turtle observed (Y) N Tags (Y) N
Distance from high tide: 120 Ft.
Carapace length N/A in. (Curved) Carapace width 96 in.
Carapace length N/A in. (Straight) Carapace width 86 in.
Nest treatment: M = Marked only  W = Wire cage  R = Relocated Time moved: 0230  H = Hatchery Time moved: N/A
Relocated where?
Number of eggs: whole: 105 broken: 0 nest depth: 44 cm
HATCHING DATA  Date nest hatched: 8/25/86 (estimate?) Excavated by: G. E. FINLEY Date excavated: 8/27/86
Hatched eggs, from which hatchlings escaped from egg $H = 100$
Hatched, escaped from nest $HN = 100$ Hatched, dead in nest $0$ Hatched, alive in nest $0$
Unhatched eggs UH = 5
Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$
Eggs with no discernible embryo N/A
Eggs with embryo $< 3$ cm $N/A$ Eggs with embryo $> 3$ cm $N/A$
Survival Percentage of hatchlings from nest $SP = \frac{HN}{H} = \frac{95}{V}$
Comments (factors affecting hatching success, deformed hatchlings, etc) $\frac{N}{A}$
Please leave no space blank. Enter "O" or "N/A" for data not available NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleigh



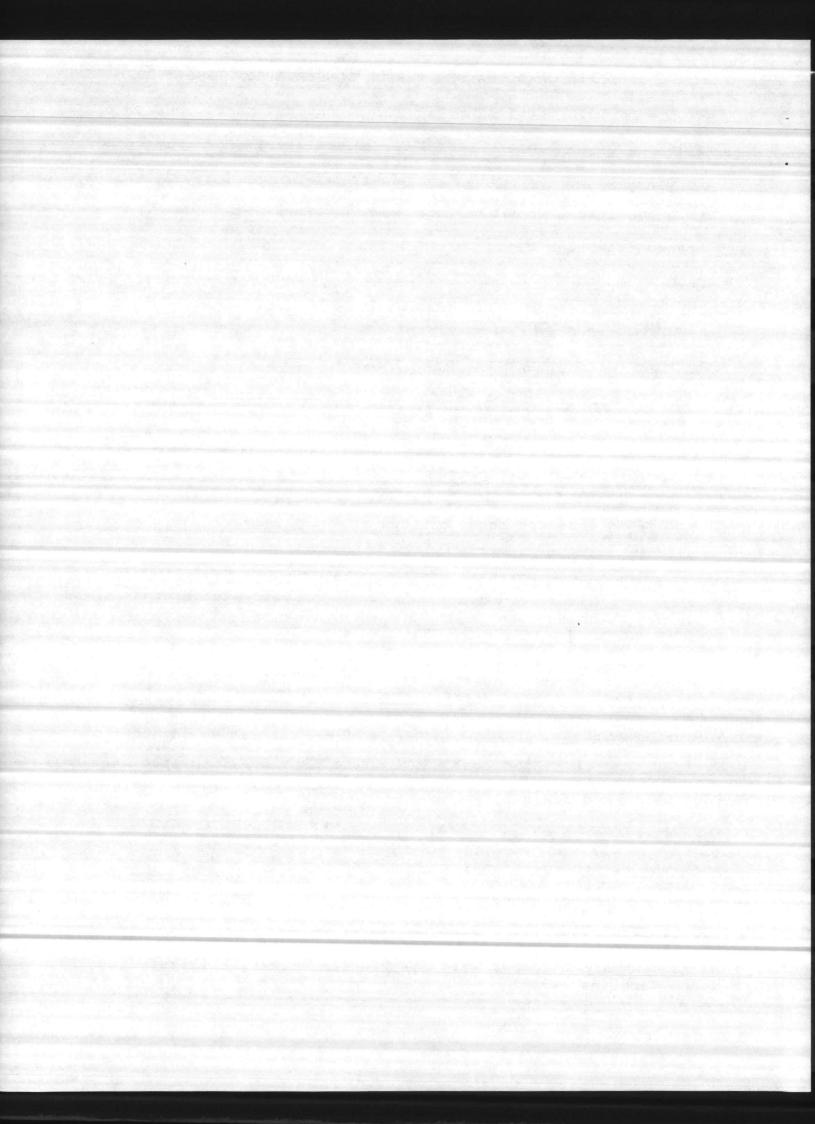
TURTLE NEST DATA SHEET	PROJECT NAME: ONSLOW BEACH
Nest # Date nest laid 7/06/86 T	Cime laid 0330 (estimate)
Site Description 3.1 miles north of	Risley Pier
Turtle observed ② N Tags ④	N
Distance from high tide: N/A Ft.	
Carapace length $N/A$ in. (Curved	1) Carapace width $N/A$ in.
Carapace length $\frac{N/A}{}$ in. (Straigh	nt) Carapace width $\frac{N/A}{}$ in.
Nest treatment: M = Marked only  W = Wire cage  R = Relocated  H = Hatchery	Time moved: 0500 Time moved: N/A
Relocated where? 2.7 miles north of	Risley Pier
Number of eggs: whole: 168 broker	n: 0 nest depth: 60 cm
Date nest hatched: 9/01/86 (estimate	
Date nest natement 3/102/10	Date excavated: 9/02/86
Hatched eggs, from which hatchlings	escaped from egg H = 157
Hatched, escaped from nest Hatched, dead in nest Hatched, alive in nest	$HN = \frac{145}{\frac{1}{11}}$
Unhatched eggs	UH = <u>11</u>
Turtles dead in pipped eggs N/A T	urtles alive in pipped eggs N/A
Eggs with no discernible embryo N/A	
Eggs with embryo < 3 cm N/A Egg	gs with embryo >3 cm N/A
Survival Percentage of hatchlings fr	om nest SP = $\frac{HN}{H} = \frac{92.8}{4}\%$
Comments (factors affecting hatching etc) N/A	
Please leave no space blank. Enter NC Nongame & Endangered Wildlife Pro North Carolina 27611.	"O" or "N/A" for data not availa gram, 512 N. Salisbury St., Rale



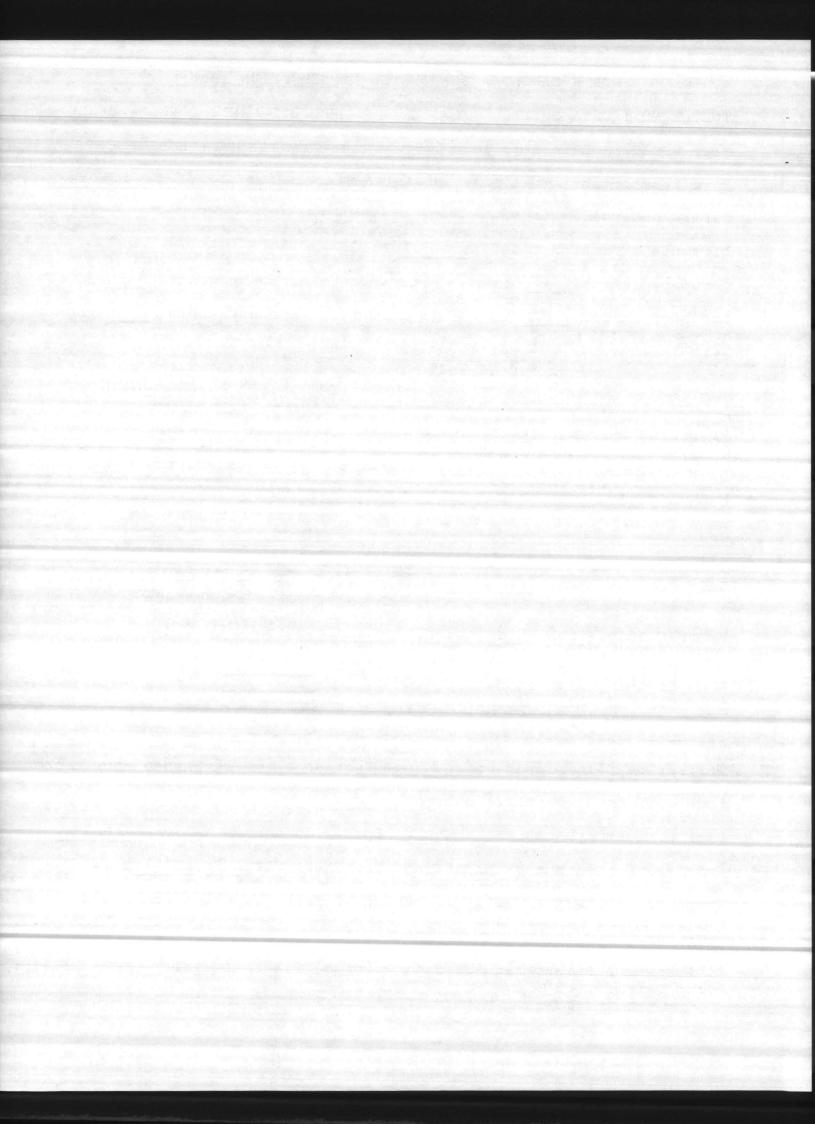
TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # 59 Date nest laid 7/07/86 Time laid 0100 (estimate)
Site Description Near south end, low dunes 2.6 miles south of Risley Pi
Turtle observed (Y) N Tags (Y) N
Distance from high tide: 12 Ft.
Carapace length 96 in. (Curved) Carapace width 84 in.
Carapace length $N/A$ in. (Straight) Carapace width $N/A$ in.
Nest treatment: M = Marked only  W = Wire cage  R = Relocated H = Hatchery  Time moved: 0200  N/A
Relocated where? 0.2 miles north of Risley Pier
Number of eggs: whole: 153 broken: 0 nest depth: 56 cm
Comments (predation, description of turtle, etc) N/A
Date nest hatched: 9/06/86 (estimate?) Excavated by: G.E. FINLEY Date excavated: 9/08/86
Hatched eggs, from which hatchlings escaped from egg $H = 146$
Hatched, escaped from nest $HN = \frac{145}{1}$ Hatched, dead in nest $\frac{1}{0}$
Unhatched eggs UH = 7
Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$
Eggs with no discernible embryo N/A
Eggs with embryo $< 3$ cm $N/A$ Eggs with embryo $> 3$ cm $N/A$
Survival Percentage of hatchlings from nest $SP = \frac{HN}{H} = \frac{95.4}{V}$
Comments (factors affecting hatching success, deformed hatchlings, etc) N/A
Please leave no space blank. Enter "O" or "N/A" for data not available NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleigh



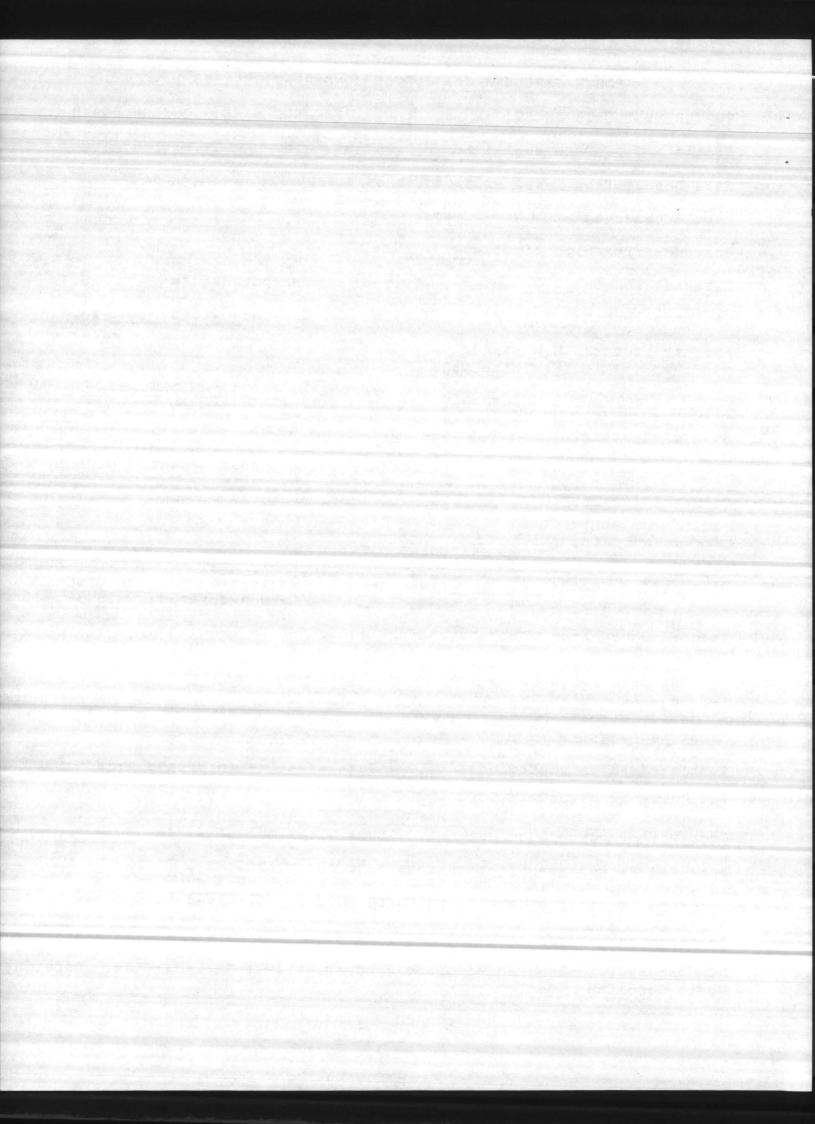
TURTLE NEST DATA S	HEET	PROJECT NAME:	ONSLOW BEACH
Nest # 60 Date	nest laid 7/07/	86Time laid 2 <u>400</u>	(estimate)
			et 3.2 miles north
Turtle observed	Risley Pier Y M Tags	Y (N)	
Distance from high	tide:3	Ft.	
Carapace length N	/A in. (Cur	ved) Carapace w	idth N/A in.
Carapace length N	/A in. (Stra:	ight) Carapace w	idth N/A in.
. 🕏	<pre>) = Wire cage ) = Relocated I = Hatchery</pre>	Time moved: Time moved:	
Relocated where? _			
Number of eggs: w			이 그는 이 모든 그리고 있는데 아파이를 생겼다면 보고 있다. 경우리 하는 가지 않는
Comments (predation	on, description of	f turtle, etc) _	l egg broken in nes
	HATCHING	DATA	ed at 0615 this dat
Date nest hatched:	HATCHING 9/01/86 (estimate which hatchling	DATA mate?) Excavated Date exca s escaped from egg	by: G.E. FINLEY vated: 9/02/86
Date nest hatched: Hatched eggs, from Hatched, esca	HATCHING  9/01/86 (estimate of the state of	DATA mate?) Excavated Date exca s escaped from egg	by: G.E. FINLEY vated: 9/02/86
Date nest hatched: Hatched eggs, from Hatched, esca	HATCHING  9/01/86 (estimate of the state of	DATA  mate?) Excavated Date excause excaped from egg $ HN = \frac{106}{2} $	by: G.E. FINLEY vated: 9/02/86
Date nest hatched:  Hatched eggs, from  Hatched, esca  Hatched, dead  Hatched, alive	HATCHING  9/01/86 (estimate of the state of	mate?) Excavated Date excass escaped from egg $HN = \frac{106}{2}$	h by: G.E. FINLEY 100 or 100 o
Date nest hatched:  Hatched eggs, from  Hatched, esca Hatched, dead Hatched, aliv	HATCHING  9/01/86 (estimate of the state of	mate?) Excavated Date excass escaped from egg $HN = \frac{106}{2}$ $UH = \frac{25}{2}$	h by: G.E. FINLEY 100 or 100 o
Date nest hatched:  Hatched eggs, from  Hatched, esca  Hatched, dead  Hatched, aliv  Unhatched eggs  Turtles dead in pi	HATCHING  1 9/01/86 (estimate of the state o	mate?) Excavated Date excass escaped from egg $HN = \frac{106}{2}$ $UH = \frac{25}{2}$ Turtles alive in	by: G.E. FINLEY evated: 9/02/86  H = 108  pipped eggs N/A
Date nest hatched:  Hatched eggs, from  Hatched, esca Hatched, dead Hatched, aliv  Unhatched eggs  Turtles dead in pi  Eggs with no disce  Eggs with embryo <	HATCHING  1 9/01/86 (estimate of the state o	mate?) Excavated Date excass escaped from egg $HN = \frac{106}{2}$ $UH = \frac{25}{100}$ Turtles alive in N/A	pipped eggs N/A  3 cm N/A  N = 79.6%



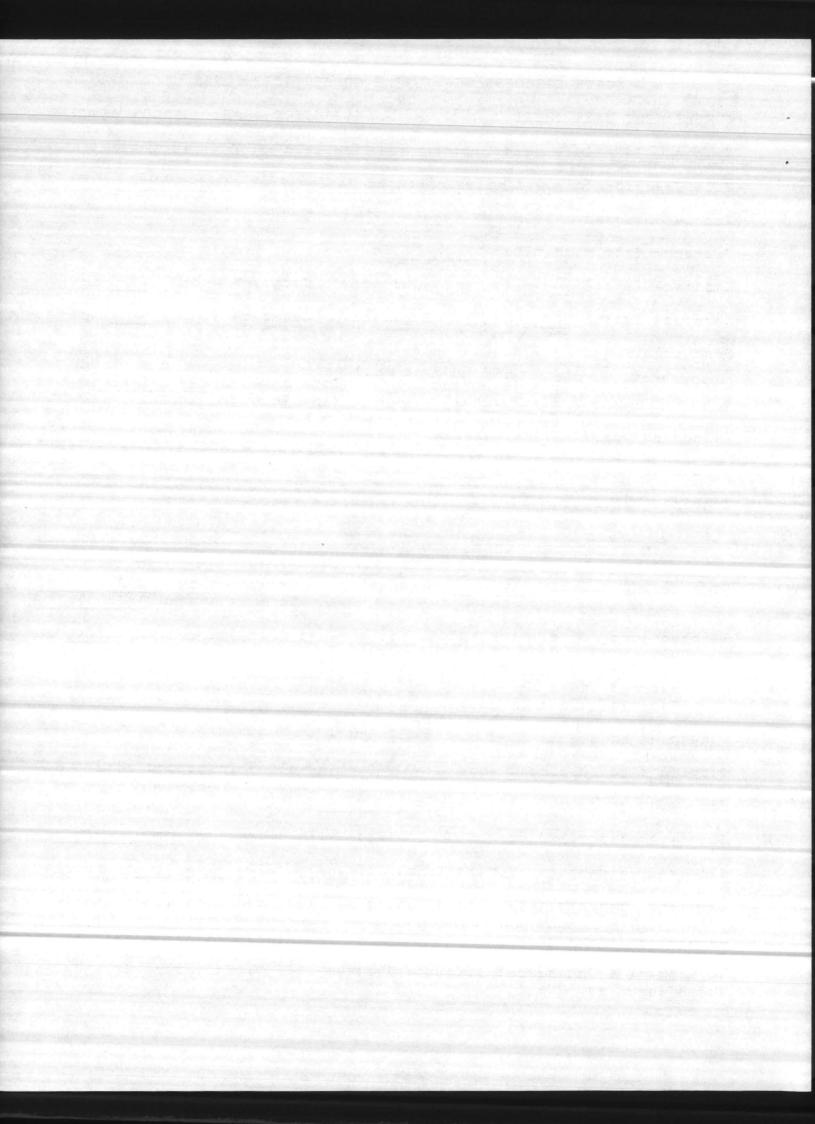
TURTLE NEST DATA	SHEET	PROJECT N	AME: ONSLOW BEACH
Nest #62 Dat	te nest laid $\frac{7/08/8}{}$	6 Time laid 24	00 (estimate)
Site Description	2.4 miles south	of Risley Pier	
Turtle observed	Y N Tags	Уи	
Distance from hig	gh tide: 12	Ft.	
Carapace length	100 in. (Cur	ved) Carapa	ce width 92 in.
Carapace length	N/A in. (Stra	ight) Carapa	ce width $\frac{N/A}{}$ in.
	M = Marked only W = Wire cage R = Relocated H = Hatchery	Time move	d: 0100 d: N/A
Relocated where?	0.2 miles north	of Risley Pier	
Number of eggs:	whole: 152 bro	ken:0 n	est depth: 47 cm
Date nest hatched	HATCHING d: 9/06/86 (esti	mate?) Excav	ated by: G.E. FINLE excavated: 9/08/86
Hatched eggs, fr	om which hatchling	s escaped from	egg H = <u>132</u>
Hatched, es Hatched, de Hatched, al	caped from nest ad in nest ive in nest	HN = 13	30 L 1
Unhatched eggs		UH = 20	
Turtles dead in	pipped eggs N/A	Turtles alive	in pipped eggs $N/$
Eggs with no dis	cernible embryo _	N/A	
Eggs with embryo	<3 cm N/A	Eggs with emb	yo →3 cm N/A
	age of hatchlings	from nest SP	$\frac{=}{H} \frac{HN}{+} \frac{=}{UN} \frac{86.4\%}{}$
			H + UN eformed hatchlings,
Please leave no NC Nongame & End North Carolina	angered Wildlife F	er "O" or "N/A Program, 512 N	for data not availa . Salisbury St., Rale



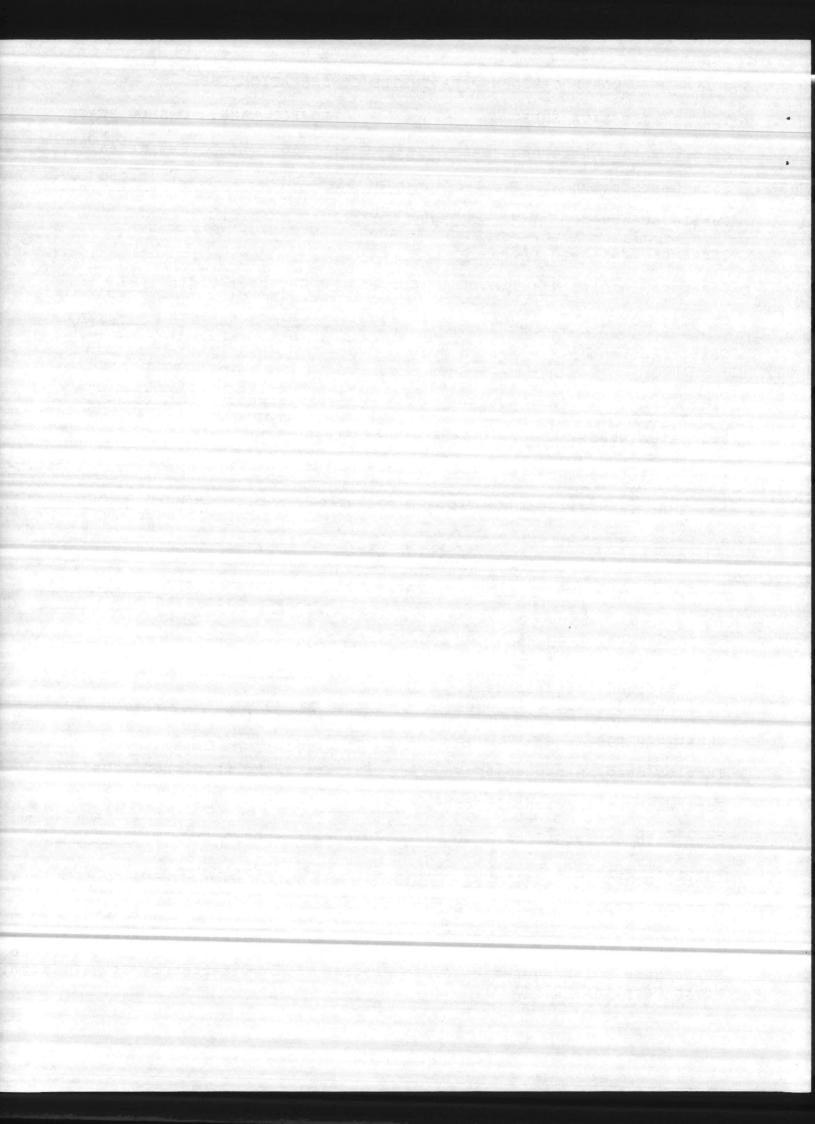
TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # $68$ Date nest laid $7/10/86$ Time laid $0330$ (estimate)
Site Description   1.6 miles north of Risley Pier
Furtle observed 💮 N Tags 👽 N
Distance from high tide: 8 Ft.
Carapace length 95 in. (Curved) Carapace width 89 in.
Carapace length $\frac{N/A}{}$ in. (Straight) Carapace width $\frac{N/A}{}$ in.
West treatment: $M = Marked only$ $W = Wire cage$ $R = Relocated$ $H = Hatchery$ Time moved: $N/A$ $N/A$
Relocated where? N/A
Number of eggs: whole: 101 broken: 0 nest depth: 53 cm
Comments (predation, description of turtle, etc) N/A
HATCHING DATA
Date nest hatched: 9/09/86 (estimate?) Excavated by: G.E. FINLEY Date excavated: 9/10/86
Hatched eggs, from which hatchlings escaped from egg $H = \frac{71}{100}$
Hatched, escaped from nest $HN = 67$ Hatched, dead in nest $0$ Hatched, alive in nest $4$
Jnhatched eggs UH = 30
Furtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$
Eggs with no discernible embryo N/A
Eggs with embryo $< 3$ cm $N/A$ Eggs with embryo $> 3$ cm $N/A$
Survival Percentage of hatchlings from nest $SP = \frac{HN}{H} = \frac{70}{V}$
Comments (factors affecting hatching success, deformed hatchlings, etc) N/A
Please leave no space blank. Enter "O" or "N/A" for data not available NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleig



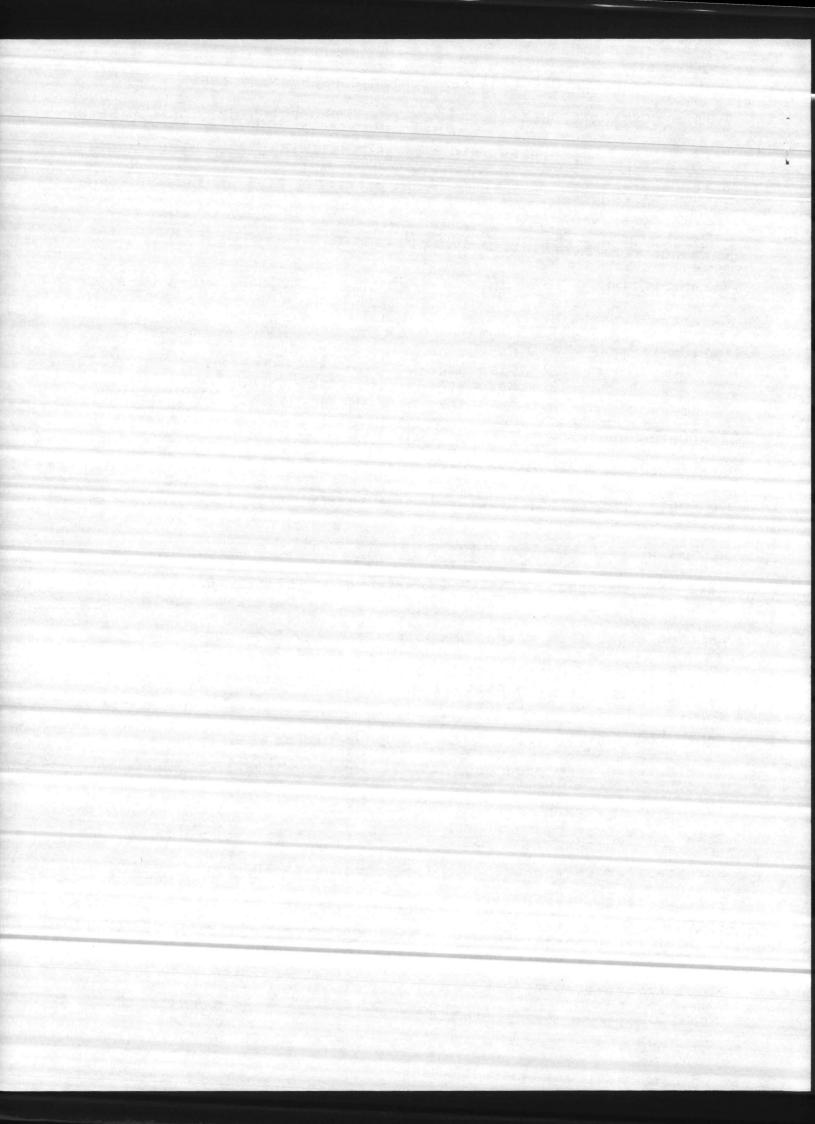
TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # Date nest laid 7/15/86 Time laid 0130 (estimate)
Site Description 0.2 miles north of Risley Pier
Turtle observed (Y) N Tags (Y) N
Distance from high tide: 36 Ft.
Carapace length 90 in. (Curved) Carapace width 86 in.
Carapace length 82 in. (Straight) Carapace width 67 in.
Nest treatment: M = Marked only  (W) = Wire cage  (R) = Relocated  H = Hatchery  Time moved: 0200  N/A
Relocated where? Same distance, 0.2 north of Risley Pier, but 8-10 ft.
Number of eggs: whole: 84 broken: 0 nest depth: 45 cm
Comments (predation, description of turtle, etc) N/A
HATCHING DATA
Date nest hatched: 9/15/86 (estimate?) Excavated by: G.E. FINLEY Date excavated: 9/16/86
Hatched eggs, from which hatchlings escaped from egg $H = 60$
Hatched, escaped from nest $HN = 60$ Hatched, dead in nest $0$ Hatched, alive in nest $0$
Unhatched eggs $UH = \underline{24}$
Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A
Eggs with no discernible embryo N/A
Eggs with embryo $< 3$ cm $N/A$ Eggs with embryo $> 3$ cm $N/A$
Survival Percentage of hatchlings from nest $SP = \frac{HN}{H} = \frac{71.4\%}{LIN}$
Comments (factors affecting hatching success, deformed hatchlings, etc) N/A
Please leave no space blank. Enter "O" or "N/A" for data not available NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleigh North Carolina 27611.



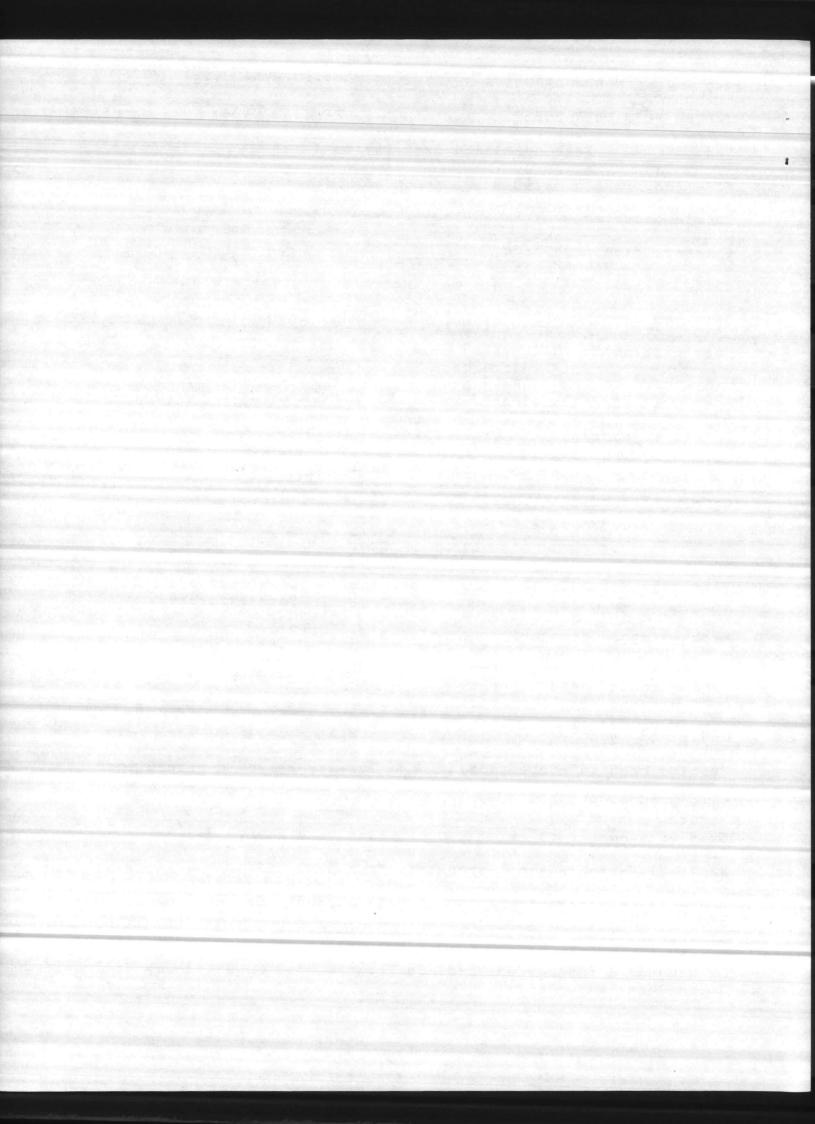
TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # 79 Date nest laid 7/15/86 Time laid 0400 (estimate)
Site Description  3.3 miles north of Risley Pier, 20 yds. north of North Tower behind 1st row of dunes.  Turtle observed  Y(N) Tags Y(N)
Distance from high tide: 15 Ft.
Carapace length $N/A$ in. (Curved) Carapace width $N/A$ in.
Carapace length $N/A$ in. (Straight) Carapace width $N/A$ in.
Nest treatment: $M = Marked only$
Relocated where? 3.2 miles north of Risley Pier
Number of eggs: whole: 81 broken: 38 nest depth: 42 cm
Comments (predation, description of turtle, etc) Broken eggs due to
predation.
HATCHING DATA
Date nest hatched: 9/27/86 (estimate?) Excavated by: G.E. FINLEY Date excavated: 9/30/86
Hatched eggs, from which hatchlings escaped from egg $H = 61$
Hatched, escaped from nest $HN = 61$ Hatched, dead in nest $0$ Hatched, alive in nest $0$
Unhatched eggs UH = 20
Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$
Eggs with no discernible embryo N/A
Eggs with embryo <3 cm N/A Eggs with embryo >3 cm N/A
Survival Percentage of hatchlings from nest $SP = \frac{HN}{H} = \frac{75.3\%}{100}$
Comments (factors affecting hatching success, deformed hatchlings, etc) N/A
Please leave no space blank. Enter "O" or "N/A" for data not available NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleigh North Carolina 27611.



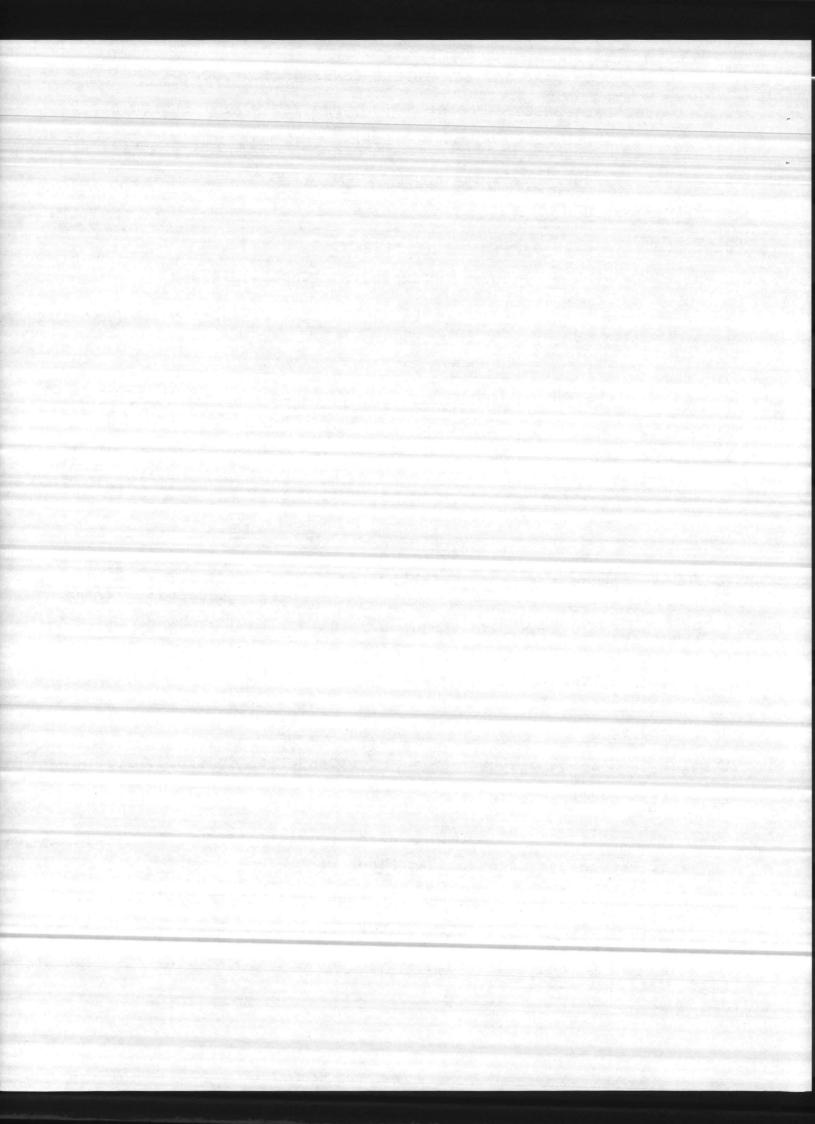
TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # 81 Date nest laid 7/16/86 Time laid 0300 (estimate)
Site Description 3.4 miles north of Risley Pier on face of dunes
Turtle observed YN Tags YN
Distance from high tide: 20 Ft.
Carapace length $N/A$ in. (Curved) Carapace width $N/A$ in.
Carapace length $N/A$ in. (Straight) Carapace width $N/A$ in.
Nest treatment: M = Marked only  W = Wire cage  R = Relocated Time moved: 0630  H = Hatchery Time moved: N/A
Relocated where? 3.2 miles north of Risley Pier
Number of eggs: whole: 134 broken: 0 nest depth: 39 cm
Comments (predation, description of turtle, etc) N/A
HATCHING DATA
Date nest hatched: 9/15/86 (estimate?) Excavated by: G.E. FINLEY Date excavated: 9/16/86
Hatched eggs, from which hatchlings escaped from egg $H = 82$
Hatched, escaped from nest $HN = 81$ Hatched, dead in nest $0$ Hatched, alive in nest $1$
Unhatched eggs UH = 52
Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$
Turtles dead in pipped eggs $\frac{N/A}{}$ Turtles alive in pipped eggs $\frac{N/A}{}$ Eggs with no discernible embryo $\frac{N/A}{}$
Eggs with no discernible embryo N/A
Eggs with no discernible embryo $N/A$ Eggs with embryo $3$ cm $N/A$ Eggs with embryo $3$ cm $N/A$



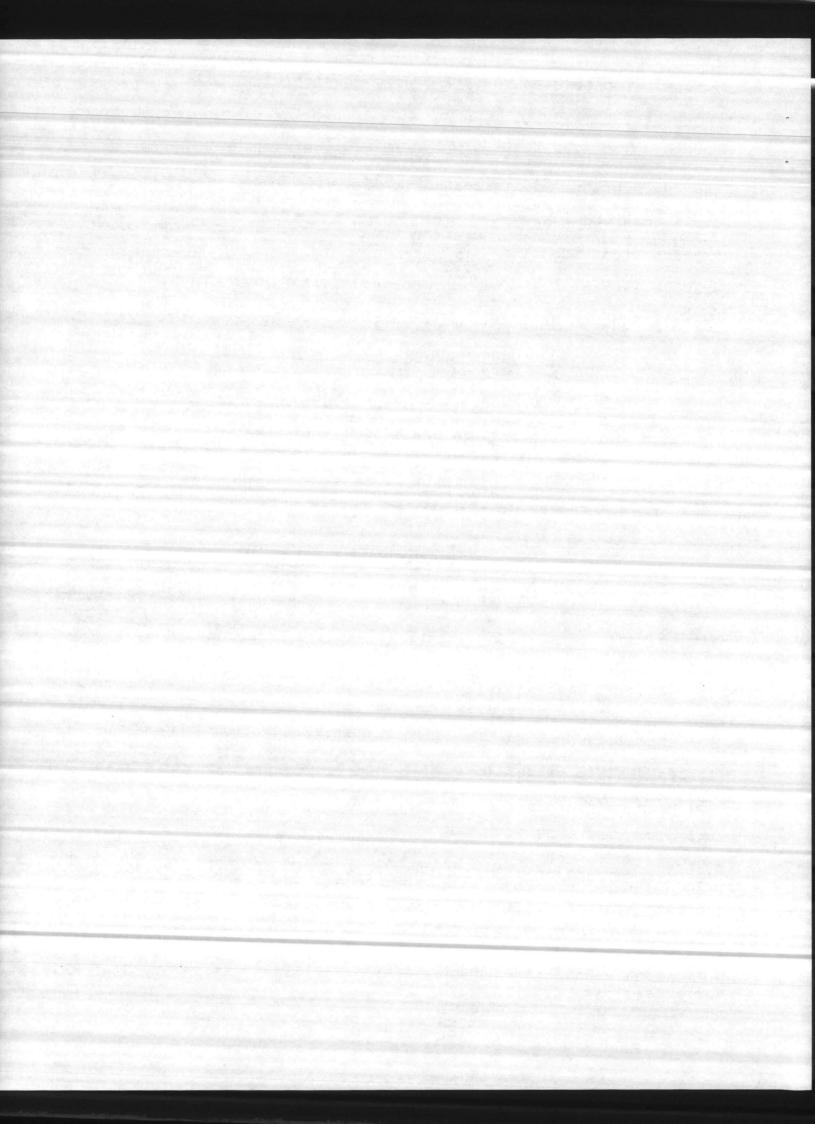
TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # 83 Date nest laid 7/17/86Time laid 0130 (estimate)
Site Description   1.4 miles south of Risley Pier
Turtle observed (Y) N Tags (Y) N
Distance from high tide: 90 Ft.
Carapace length 106 in. (Curved) Carapace width 102 in.
Carapace length 106 in. (Straight) Carapace width. 74 in.
Nest treatment: M = Marked only  W = Wire cage  R = Relocated Time moved: 0200  H = Hatchery Time moved: N/A
Relocated where? 2.1 miles north of Risley Pier
Number of eggs: whole: 123 broken: 0 nest depth: 45 cm
Comments (predation, description of turtle, etc) N/A
HATCHING DATA
Date nest hatched: 9/27/86 (estimate?) Excavated by: GF FINLEY Date excavated: 9/30/86
Hatched eggs, from which hatchlings escaped from egg $H = 33$
Hatched, escaped from nest $HN = 30$ Hatched, dead in nest $0$ Hatched, alive in nest $3$
Unhatched eggs $UH = 90$
Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$
Eggs with no discernible embryo N/A
Eggs with embryo <3 cm N/A Eggs with embryo >3 cm N/A
Survival Percentage of hatchlings from nest SP = $\frac{HN}{H} = \frac{26.8}{V}$
Comments (factors affecting hatching success, deformed hatchlings, etc) N/A
Please leave no space blank. Enter "O" or "N/A" for data not available



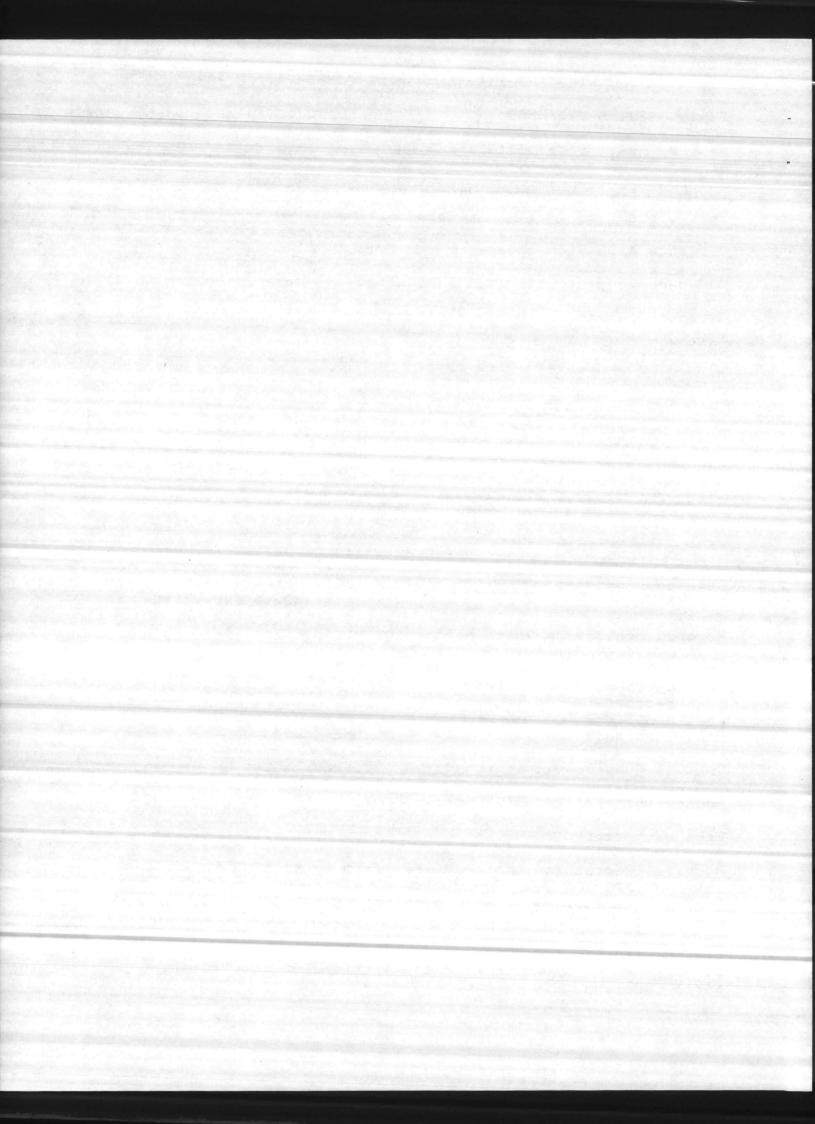
TURTLE NEST DATA	A SHEET	PROJECT	NAME: ON	SLOW BEACH
Nest # <u>84</u> Da	ate nest laid 7/17/8	6 Time laid	0145 (es	timate)
Site Description	0.4 miles south	of Risley P	ier	
Turtle observed	(Y) N Tags	Ŋ N		
Distance from hi	igh tide: 45 F	t.		
Carapace length	92 in. (Curv	red) Cara	pace width	87 in.
Carapace length	N/A in. (Strai	ght) Cara	pace width	N/A in.
	M = Marked only W = Wire cage R = Relocated H = Hatchery			
Relocated where	? 0.1 miles north	of Risley P	ier	
Number of eggs:	whole: 106 brok	en: 0	nest dept	h: 35 cm
Comments (preda	tion, description of	turtle, et	N/A	
	HATCHING D	DATA		
		DATA nate?) Exc	avated by:	
Date nest hatche	HATCHING Decided: 9/20/86 (estimate)	DATA nate?) Exc Dat	avated by:	G.E. FINLEY d: 9/22/86
Date nest hatched Hatched eggs, from Hatched, est Hatched, de	HATCHING D	DATA  mate?) Exc Dat  s escaped fr  HN = 94	avated by: e excavate	G.E. FINLEY d: 9/22/86
Date nest hatched Hatched eggs, from Hatched, est Hatched, de	HATCHING Ded: 9/20/86 (estiment of the state	DATA  mate?) Exc Date  s escaped fr  HN = 94	eavated by: e excavate om egg H	G.E. FINLEY d: 9/22/86
Date nest hatched Hatched eggs, from Hatched, est Hatched, de Hatched, automatched eggs	HATCHING Ded: 9/20/86 (estiment of the state	DATA  mate?) Excoder  Data  s escaped fr $HN = \frac{94}{0}$ $UH = \frac{12}{0}$	eavated by: ce excavate com egg H	G.E. FINLEY d: 9/22/86
Date nest hatched Hatched eggs, from Hatched, est Hatched, de Hatched, as Unhatched eggs Turtles dead in	HATCHING Ded: 9/20/86 (estime of which hatchlings scaped from nest live in nest pipped eggs N/A	DATA  mate?) Excoder  Data  s escaped fr $HN = \frac{94}{0}$ $UH = \frac{12}{0}$	eavated by: ce excavate com egg H	G.E. FINLEY d: 9/22/86 = 94
Date nest hatched Hatched eggs, from Hatched, est Hatched, de Hatched, as Unhatched eggs Turtles dead in	HATCHING E  ed: 9/20/86 (estime  rom which hatchlings  scaped from nest ead in nest live in nest  pipped eggs N/A  scernible embryo N	DATA  Data  Data  Sescaped from $ HN = 94 $ $ 0 $ $ 0 $ $ 0 $ $ 0 $ UH = 12	eavated by: e excavate com egg H	G.E. FINLEY d: 9/22/86 = 94  ed eggs N/A
Date nest hatched Hatched eggs, fr Hatched, es Hatched, de Hatched, as Unhatched eggs Turtles dead in Eggs with no dis	HATCHING E  ed: 9/20/86 (estime  rom which hatchlings  scaped from nest ead in nest live in nest  pipped eggs N/A  scernible embryo N	DATA  mate?) Excoded for the sescaped f	eavated by: e excavate com egg H	G.E. FINLEY d: 9/22/86 = 94  ed eggs N/A



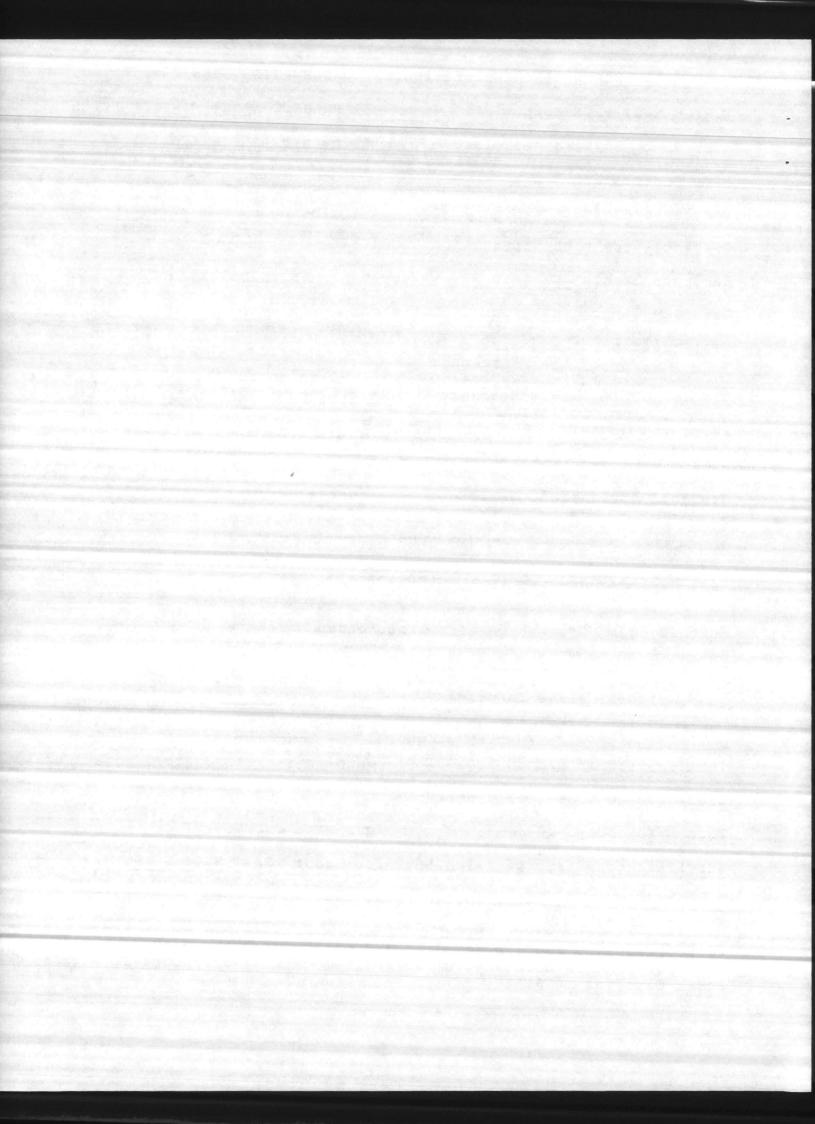
TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # 85 Date nest laid 7/18/86 Time laid 0330 (estimate)
Site Description 3.5 miles north of Risley Pier, 20 ft. below face of
Turtle observed Y N Tags Y N
Distance from high tide: 15 Ft.
Carapace length $N/A$ in. (Curved) Carapace width $N/A$ in.
Carapace length $N/A$ in. (Straight) Carapace width $N/A$ in.
Nest treatment: M = Marked only  W = Wire cage  R = Relocated
Relocated where? 3.1 miles north of Risley Pier
Number of eggs: whole: 133 broken: 0 nest depth: 40 cm
Comments (predation, description of turtle, etc) N/A
。
HATCHING DATA
Date nest hatched: 9/27/86 (estimate?) Excavated by: G.E. FINLEY Date excavated: 9/30/86
Date nest hatched: 9/27/86 (estimate?) Excavated by: G.E. FINLEY
Date nest hatched: 9/27/86 (estimate?) Excavated by: G.E. FINLEY Date excavated: 9/30/86
Date nest hatched: $\frac{9/27/86}{}$ (estimate?) Excavated by: G.E. FINLEY Date excavated: $\frac{9/30/86}{}$ Hatched eggs, from which hatchlings escaped from egg H = $\frac{113}{}$ Hatched, escaped from nest HN = $\frac{111}{}$ Hatched, dead in nest $\frac{0}{}$
Date nest hatched: $9/27/86$ (estimate?) Excavated by: G.E. FINLEY Date excavated: $9/30/86$ Hatched eggs, from which hatchlings escaped from egg H = $113$ Hatched, escaped from nest HN = $111$ Hatched, dead in nest $0$ Hatched, alive in nest $0$
Date nest hatched: $9/27/86$ (estimate?) Excavated by: G.E. FINLEY Date excavated: $9/30/86$ Hatched eggs, from which hatchlings escaped from egg H = $113$ Hatched, escaped from nest HN = $111$ Hatched, dead in nest Dead Hatched, alive in nest Dead Hatched Hatched, alive in nest Hatched Hat
Date nest hatched: $9/27/86$ (estimate?) Excavated by: G.E. FINLEY Date excavated: $9/30/86$ Hatched eggs, from which hatchlings escaped from egg H = 113  Hatched, escaped from nest HN = 111 Hatched, dead in nest 0 Hatched, alive in nest 2  Unhatched eggs UH = 20  Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A
Date nest hatched: $9/27/86$ (estimate?) Excavated by: G.E. FINLEY Date excavated: $9/30/86$ Hatched eggs, from which hatchlings escaped from egg H = $113$ Hatched, escaped from nest HN = $111$ Hatched, dead in nest 0 Hatched, alive in nest 2  Unhatched eggs UH = $20$ Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$ Eggs with no discernible embryo $N/A$
Date nest hatched: $9/27/86$ (estimate?) Excavated by: G.E. FINLEY Date excavated: $9/30/86$ Hatched eggs, from which hatchlings escaped from egg H = $113$ Hatched, escaped from nest HN = $111$ Hatched, dead in nest 0 Hatched, alive in nest 2  Unhatched eggs UH = $20$ Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$ Eggs with no discernible embryo $N/A$ Eggs with embryo $3 \text{ cm}$ $N/A$ Eggs with embryo $3 \text{ cm}$ $N/A$ Survival Percentage of hatchlings from nest $SP = HN = 84.9\%$



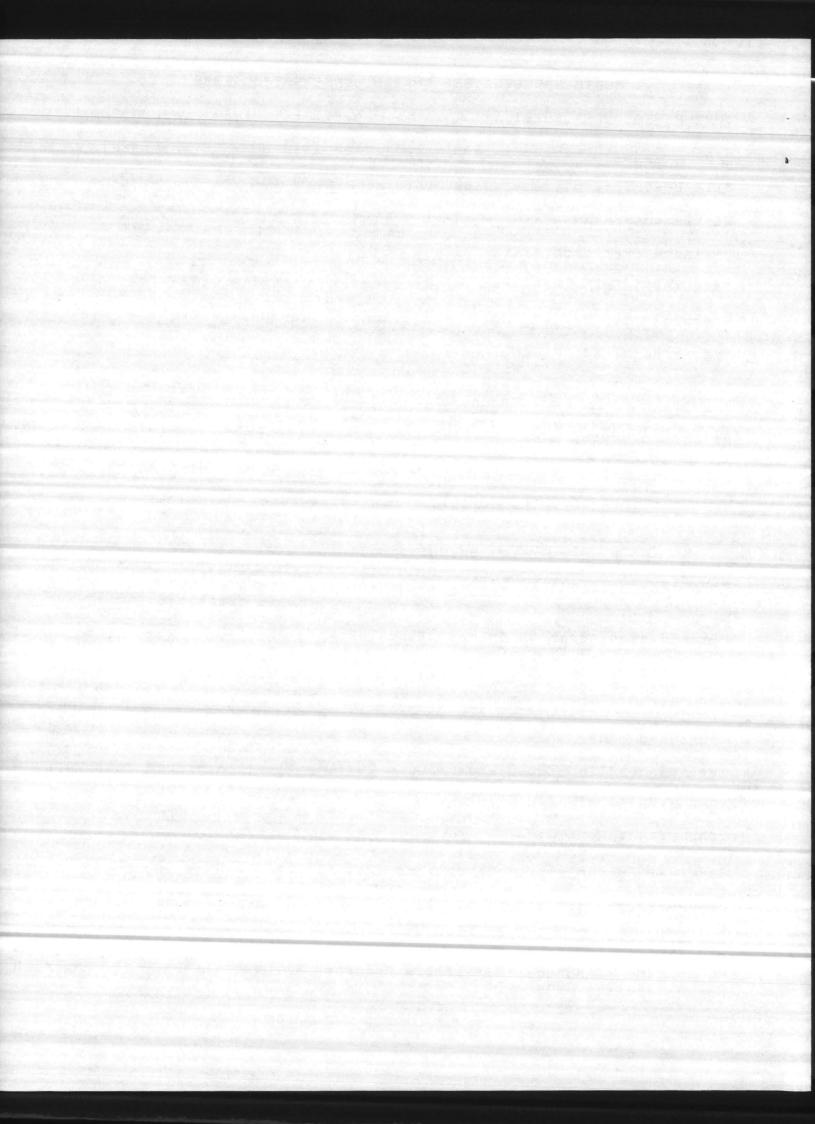
TURTLE NEST DATA	A SHEET	PROJEC	T NAME: ON	SLOW BEACH
Nest # 94 Da	ate nest laid 7/25/8	Time laid	0 <u>615</u> (es	timate)
Site Description	3.5 miles north	of Risley P	ier	
Turtle observed	YN Tags	YN		
Distance from h	igh tide: 14	Ft.		
Carapace length	N/A in. (Cur	ved) Car	apace width	$\frac{N/A}{}$ in.
Carapace length	N/A in. (Stra	ight) Car	apace width	$\frac{N/A}{}$ in.
	M = Marked only  W = Wire cage  R = Relocated  H = Hatchery	Time m Time m	oved: 063	30
Relocated where	? 3.2 miles north	of Risley P	ier	
Number of eggs:	whole: 89 bro	ken: 0	nest dept	h: 48 cm
Comments (preda	tion, description o	f turtle, e	tc) N/A	
	HATCHING ed: 10/01/86 (esti	DATA mate?) Ex	cavated by:	
Date nest hatch	HATCHING	DATA mate?) Ex	cavated by: te excavate	G.E. FINLEY ed: 10/1-7/86
Date nest hatched Hatched eggs, f: Hatched, e. Hatched, de	<u>HATCHING</u> ed: <u>10/01/86</u> (esti	DATA mate?) Ex Da	cavated by: te excavate	G.E. FINLEY ed: 10/1-7/86
Date nest hatched Hatched eggs, f: Hatched, e. Hatched, d. Hatched, a.	HATCHING  ed: 10/01/86 (esti  rom which hatchling  scaped from nest ead in nest	DATA mate?) Ex Da s escaped f HN = 5	cavated by: te excavate rom egg f	G.E. FINLEY ed: 10/1-7/86
Date nest hatched Hatched eggs, f: Hatched, e. Hatched, d. Hatched, a. Unhatched eggs	HATCHING  ed: 10/01/86 (esti  rom which hatchling  scaped from nest ead in nest	DATA mate?) Ex Da s escaped f HN = 5	cavated by: te excavate  rom egg f	G.E. FINLEY ed: 10/1-7/86
Date nest hatched Hatched eggs, for the Hatched, end Hatched, do Hatched, and Unhatched eggs Turtles dead in	HATCHING  ed: 10/01/86 (esti  rom which hatchling  scaped from nest ead in nest live in nest	DATA mate?) Ex Da s escaped f HN = 5 UH = 3 Turtles al	cavated by: te excavate  rom egg f	G.E. FINLEY ed: 10/1-7/86 H = 59
Date nest hatched Hatched eggs, f: Hatched, e. Hatched, d. Hatched, a. Unhatched eggs Turtles dead in Eggs with no di	HATCHING  ed: 10/01/86 (esti  rom which hatchling  scaped from nest ead in nest live in nest  pipped eggs N/A	DATA mate?) Ex Da s escaped f HN = 5 UH = 3 Turtles al	cavated by: te excavate  rom egg f  0  0  ive in pipp	G.E. FINLEY ed: _10/1-7/86 H = _59  Ded eggs _N/A
Date nest hatched Hatched eggs, f: Hatched, e. Hatched, d. Hatched, a. Unhatched eggs Turtles dead in Eggs with no di Eggs with embry	HATCHING  ed: 10/01/86 (esti  rom which hatchling  scaped from nest ead in nest live in nest  pipped eggs N/A  scernible embryo N	DATA mate?) Ex Da s escaped f HN = 5  UH = 3 Turtles al	cavated by: te excavate  rom egg f  9 0 0  ive in pipp	G.E. FINLEY ed: 10/1-7/86 H = 59  Ded eggs N/A



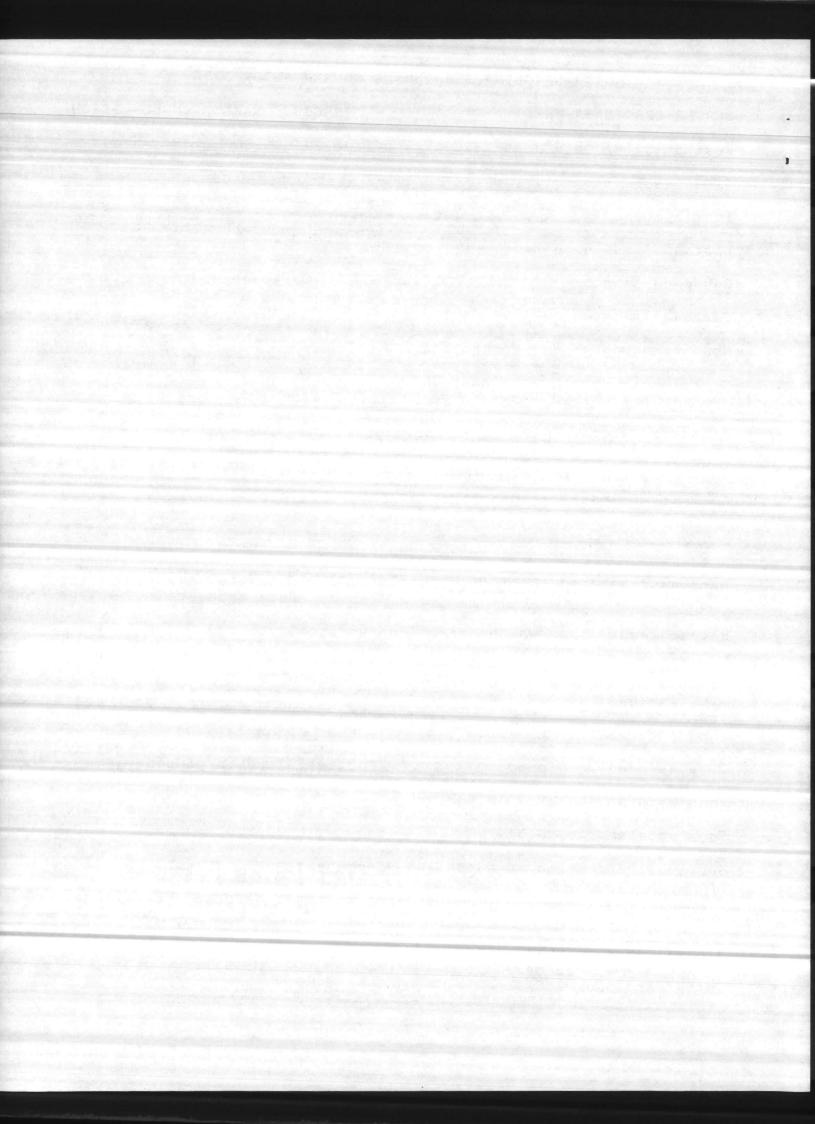
TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # $103$ Date nest laid $7/27/86$ Time laid $0100$ (estimate)
Site Description 3.5 miles north of Risley Pier
Turtle observed YN Tags YN
Distance from high tide: 25 Ft.
Carapace length $N/A$ in. (Curved) Carapace width $N/A$ in.
Carapace length $N/A$ in. (Straight) Carapace width $N/A$ in.
Nest treatment: $M = Marked only$
Relocated where?27 miles north of Risley Pier
Number of eggs: whole: 104 broken: 0 nest depth: 50 cm
Comments (predation, description of turtle, etc) N/A
HATCHING DATA
Date nest hatched: 10/13/86 (estimate?) Excavated by: G.E. FINLEY Date excavated: 10/17/86
Hatched eggs, from which hatchlings escaped from egg $H = 94$
Hatched, escaped from nest $HN = \frac{93}{0}$ Hatched, dead in nest $\frac{0}{1}$
Unhatched eggs UH = 10
Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$
Eggs with no discernible embryo N/A
Eggs with embryo $<$ 3 cm $N/A$ Eggs with embryo $>$ 3 cm $N/A$
Survival Percentage of hatchlings from nest SP = $\frac{HN}{H} = \frac{90.4\%}{+UN}$
Comments (factors affecting hatching success, deformed hatchlings, etc) N/A
Please leave no space blank. Enter "O" or "N/A" for data not available NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleigh North Carolina 27611.



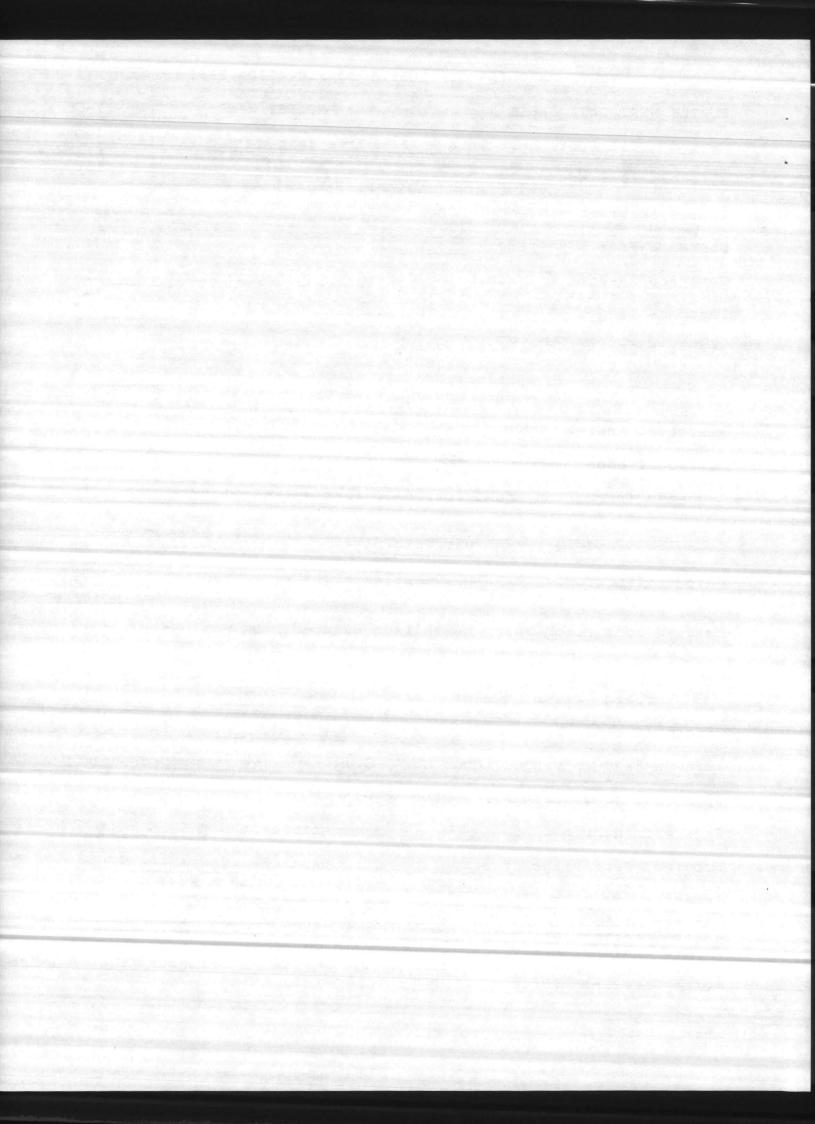
TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # 104 Date nest laid 7/28/86 Time laid 0050 (estimate)
Site Description 0.8 miles south of Risley Pier
Turtle observed Y N Tags Y N
Distance from high tide: 25 Ft.
Carapace length 98 in. (Curved) Carapace width 93 in.
Carapace length 83 in. (Straight) Carapace width 79 in.
Nest treatment: M = Marked only  (W) = Wire cage  (R) = Relocated
Relocated where? 0.6 miles north of Risley Pier
Number of eggs: whole: 115 broken: 0 nest depth: 55 cm
Comments (predation, description of turtle, etc) Turtle laid facing
water.
HATCHING DATA
Date nest hatched: 10/13/86 (estimate?) Excavated by: G.E. FINLEY Date excavated: 10/17/86
Hatched eggs, from which hatchlings escaped from egg H = 115
Hatched, escaped from nest $HN = 115$ Hatched, dead in nest $0$ Hatched, alive in nest $0$
Unhatched eggs UH = 0
Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$
Eggs with no discernible embryo N/A
Eggs with embryo $< 3$ cm $N/A$ Eggs with embryo $> 3$ cm $N/A$
Survival Percentage of hatchlings from nest $SP = HN = 100.5$
Comments (factors affecting hatching success, deformed hatchlings, etc) $N/A$
Please leave no space blank. Enter "O" or "N/A" for data not available NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleigh North Carolina 27611.



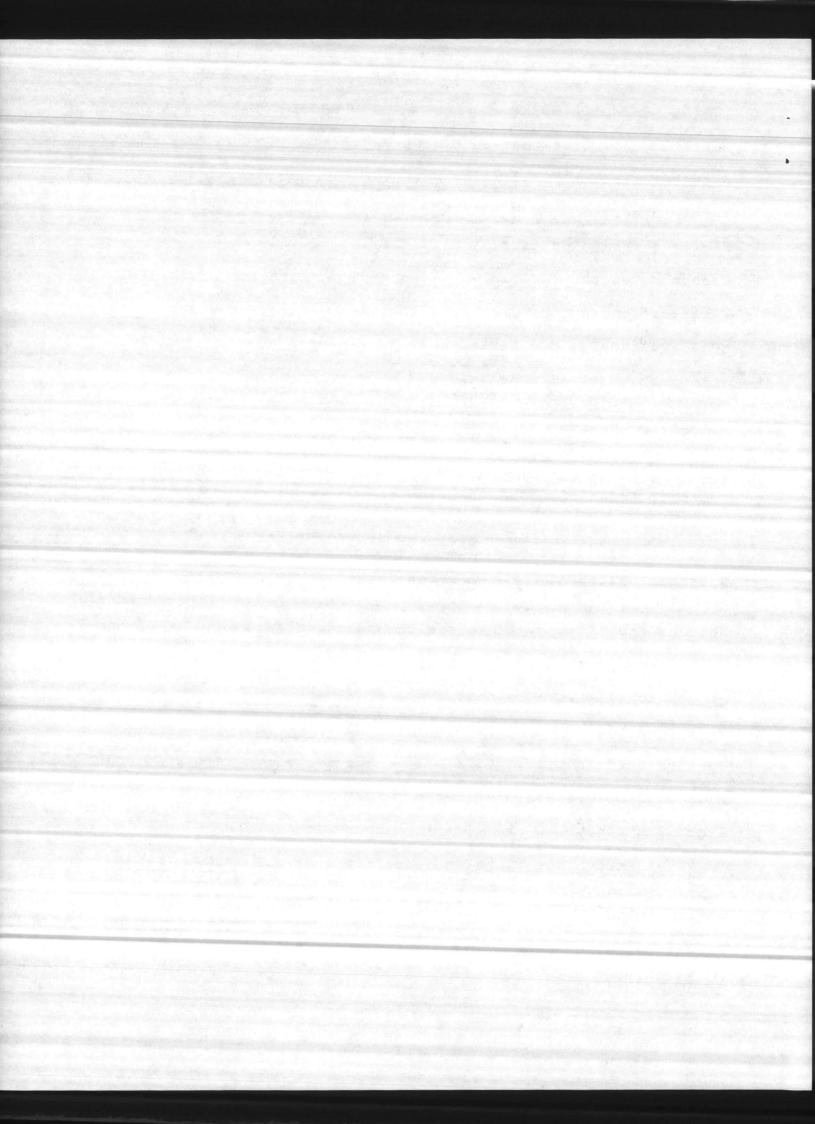
TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # 106 Date nest laid 7/29/86 Time laid 0300 (estimate)
Site Description 2.1 miles north of Risley Pier
Turtle observed (Y) N Tags (Y) N
Distance from high tide: 90 Ft.
Carapace length 102 in. (Curved) Carapace width 95 in.
Carapace length 90 in. (Straight) Carapace width 75 in.
Nest treatment: $M = Marked only$
Relocated where? 2.1 miles north of Risley Pier
Number of eggs: whole: 135 broken: 0 nest depth: 44 cm
Comments (predation, description of turtle, etc) N/A
HATCHING DATA
HATCHING DATA  Date nest hatched: 10/03/86 (estimate?) Excavated by: G.E. FINLEY Date excavated: 10/03/86
Date nest hatched: 10/03/86 (estimate?) Excavated by: G.E. FINLEY
Date nest hatched: 10/03/86 (estimate?) Excavated by: G.E. FINLEY Date excavated: 10/03/86
Date nest hatched: $10/03/86$ (estimate?) Excavated by: G.E. FINLEY Date excavated: $10/03/86$ Hatched eggs, from which hatchlings escaped from egg H = $105$ Hatched, escaped from nest HN = $93$ Hatched, dead in nest $0$
Date nest hatched: $10/03/86$ (estimate?) Excavated by: G.E. FINLEY Date excavated: $10/03/86$ Hatched eggs, from which hatchlings escaped from egg H = $105$ Hatched, escaped from nest HN = $93$ Hatched, dead in nest $0$ Hatched, alive in nest $12$
Date nest hatched: $10/03/86$ (estimate?) Excavated by: G.E. FINLEY Date excavated: $10/03/86$ Hatched eggs, from which hatchlings escaped from egg H = $105$ Hatched, escaped from nest HN = $93$ Hatched, dead in nest $0$ Hatched, alive in nest $12$ Unhatched eggs  UH = $30$
Date nest hatched: $10/03/86$ (estimate?) Excavated by: G.E. FINLEY Date excavated: $10/03/86$ Hatched eggs, from which hatchlings escaped from egg H = $105$ Hatched, escaped from nest $10/03/86$ Hatched, dead in nest $10/03/86$ Uh = $10/03/86$ Turtles dead in pipped eggs $10/03/86$ Turtles alive in pipped eggs $10/03/86$
Date nest hatched: 10/03/86 (estimate?) Excavated by: G.E. FINLEY Date excavated: 10/03/86  Hatched eggs, from which hatchlings escaped from egg H = 105  Hatched, escaped from nest HN = 93 Hatched, dead in nest 0 Hatched, alive in nest 12  Unhatched eggs UH = 30  Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A  Eggs with no discernible embryo N/A  Eggs with embryo <3 cm N/A Eggs with embryo >3 cm N/A  Survival Percentage of hatchlings from nest SP = HN = 77.8%
Date nest hatched: $10/03/86$ (estimate?) Excavated by: G.E. FINLEY Date excavated: $10/03/86$ Hatched eggs, from which hatchlings escaped from egg H = $105$ Hatched, escaped from nest HN = $93$ Hatched, dead in nest $0$ Hatched, alive in nest $12$ Unhatched eggs UH = $30$ Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$ Eggs with no discernible embryo $N/A$ Eggs with embryo $10/A$ Eggs with embryo $10/A$ $10/A$



TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # 111 Date nest laid 8/04/86 Time laid 2200 (estimate)
Site Description 0.7 miles north of Risley Pier
Turtle observed YM Tags YM
Distance from high tide: 75 Ft.
Carapace length 97 in. (Curved) Carapace width 87 in.
Carapace length 87 in. (Straight) Carapace width 66 in.
Nest treatment: $M = Marked only$ . $\widehat{W} = Wire cage$ $\widehat{R} = Relocated$ $H = Hatchery$ Time moved: $2300$ $N/A$
Relocated where?moved to .6 miles north of Risley Pier
Number of eggs: whole: 132 broken: 0 nest depth: 43 cm
Comments (predation, description of turtle, etc) N/A
HATCHING DATA
Date nest hatched: 10/17/86 (estimate?) Excavated by: G.E. FINLEY Date excavated: 10/31/86
Hatched eggs, from which hatchlings escaped from egg $H = 95$
Hatched, escaped from nest $\frac{1}{2}$ Hatched, dead in nest $\frac{2}{38}$
Unhatched eggs UH = 37
Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$
Eggs with no discernible embryo N/A
Eggs with embryo $< 3$ cm $N/A$ Eggs with embryo $> 3$ cm $N/A$
Survival Percentage of hatchlings from nest $SP = \frac{HN}{H} = \frac{72.0\%}{L}$
Comments (factors affecting hatching success, deformed hatchlings, etc) N/A
Please leave no space blank. Enter "O" or "N/A" for data not available NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleigh

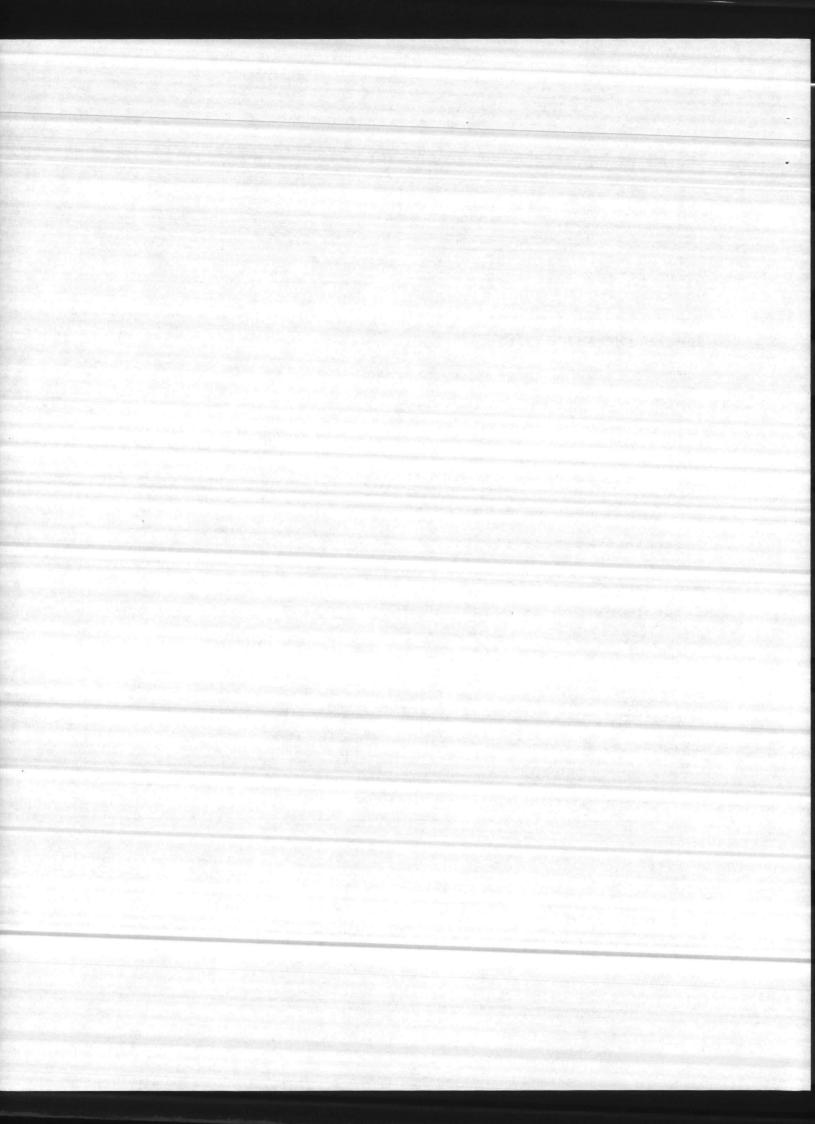


TURTLE NEST DATA SHEET PROJECT NAME: ONSLOW BEACH
Nest # 112 Date nest laid 8/09/86 Time laid 0005 (estimate)
Site Description 1.5 miles north of Risley Pier
Turtle observed Y N Tags Y N
Distance from high tide: 75 Ft.
Carapace length 97 in. (Curved) Carapace width 88 in.
Carapace length 90 in. (Straight) Carapace width 70 in.
West treatment: $M = Marked only$ $W = Wire cage$ $R = Relocated$ $H = Hatchery$ Time moved: $\frac{0100}{N/A}$
Relocated where? Moved 25 ft. up to the dunes.
Number of eggs: whole: 116 broken: 0 nest depth: 53 cm
Comments (predation, description of turtle, etc) N/A
HATCHING DATA
Date nest hatched: 10/30/86 (estimate?) Excavated by: G.E. FINLEY Date excavated: 10/31/86
Hatched eggs, from which hatchlings escaped from egg $H = 86$
Hatched, escaped from nest $HN = 36$ Hatched, dead in nest $1$ Hatched, alive in nest $49$
Unhatched eggs UH = 30
Turtles dead in pipped eggs $N/A$ Turtles alive in pipped eggs $N/A$
Eggs with no discernible embryo N/A
Eggs with embryo $<$ 3 cm N/A Eggs with embryo $>$ 3 cm N/A
Survival Percentage of hatchlings from nest $SP = \frac{HN}{H} = \frac{74.1}{VN}$
Comments (factors affecting hatching success, deformed hatchlings, etc) N/A
Please leave no space blank. Enter "O" or "N/A" for data not availabl NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleig



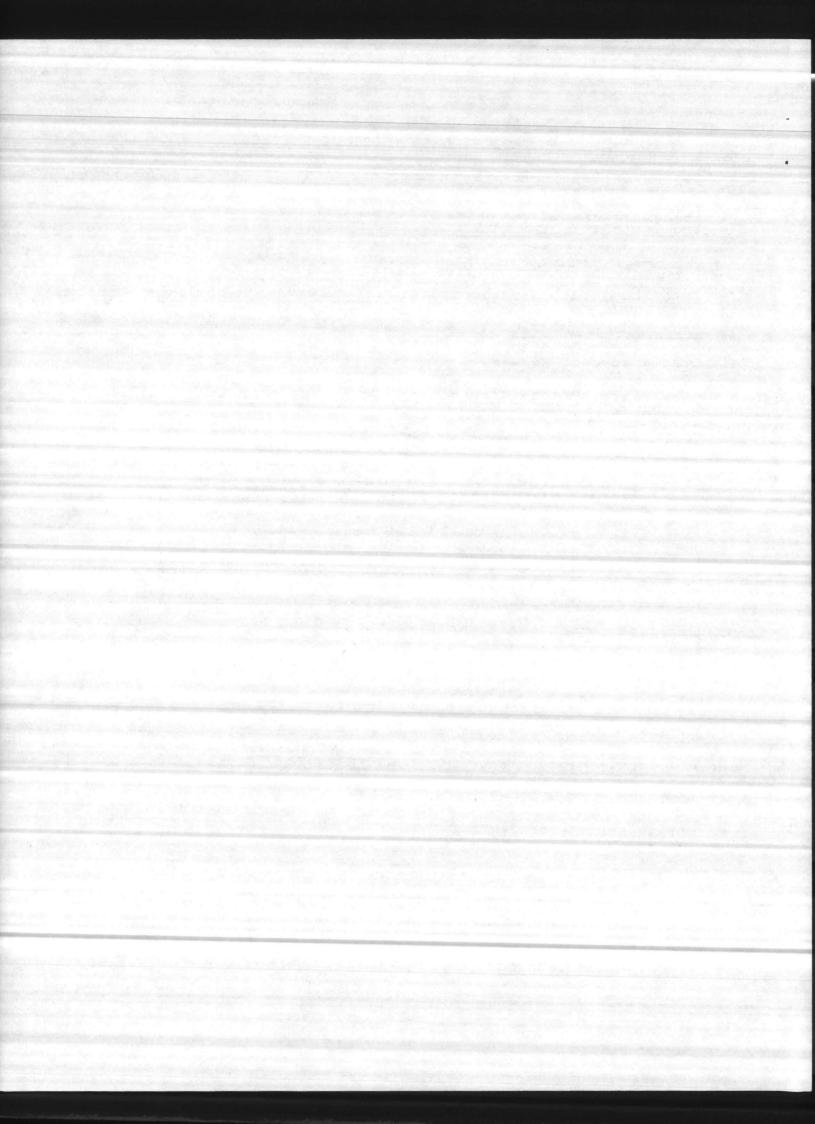
Tag Number(s) 99/100 Species CC Date Enco	ountered 6/19/86
(list all tag #'s and letters) AAR	
Describe location encountered: 0.5 miles north of Ris	eley Pier
Circle correct answer:	
"New" turtle (not carrying any tag or tag scar)	YES NO
If no, then circle correct category:	
(1) Recapture of same project turtle (within season. o	r multi-annual)
(2) Recapture of different project turtle	
(3) Turtle has definite tag scars	
Tag return address (If other than NMFS Lab/Vir Key) _	
Carapace length (straight line) 90 cm	_ in.
Carapace width (straight line) 72 cm	_ in.
Carapace length (over curve) 96 cm	_ in.
Carapace width (over curve) 89 cm	_ in.
Did turtle nest? YES NO UNDETERMINED (circle on	e) .
Additional remarks or data (use back if necessary)	Turtle made 3
holes, but failed to lay.	

### Organization Tagging:



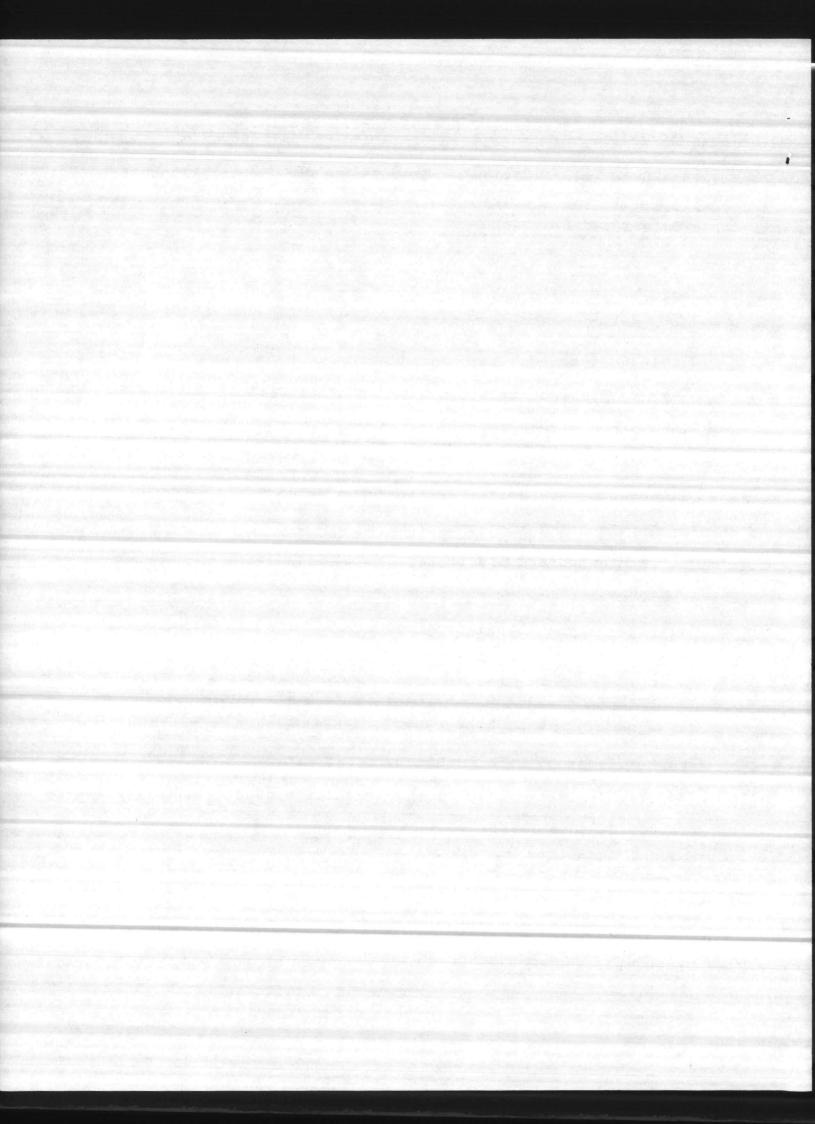
Tag Number(s) 171/172 Species	CC Dat	e Encountered6/20/86
(list all tag #'s and letters) AAR		
Describe location encountered: 1.	8 miles north o	of Risley Pier
Circle correct answer:		
"New" turtle (not carrying any tag	or tag scar)	YES NO
If no, then circle correct categor	у:	
(1) Recapture of same project ture	le (within sea	son or multi-annual)
(2) Recapture of different project	turtle	
(3) Turtle has definite tag scars		
Tag return address (If other than	NMFS Lab/Vir K	(ey)
Carapace length (straight line) _	81_ cm	in.
Carapace width (straight line) _	65 cm	in.
Carapace length (over curve)	90 cm	in.
Carapace width (over curve)	89 cm	<u> </u>
Did turtle nest? YES NO UNDE	rerMINED (circ	cle one)
Additional remarks or data (use b	ack if necessar	Nest moved to 2.7
miles north of Risley Pier.	The second second	

### Organization Tagging:



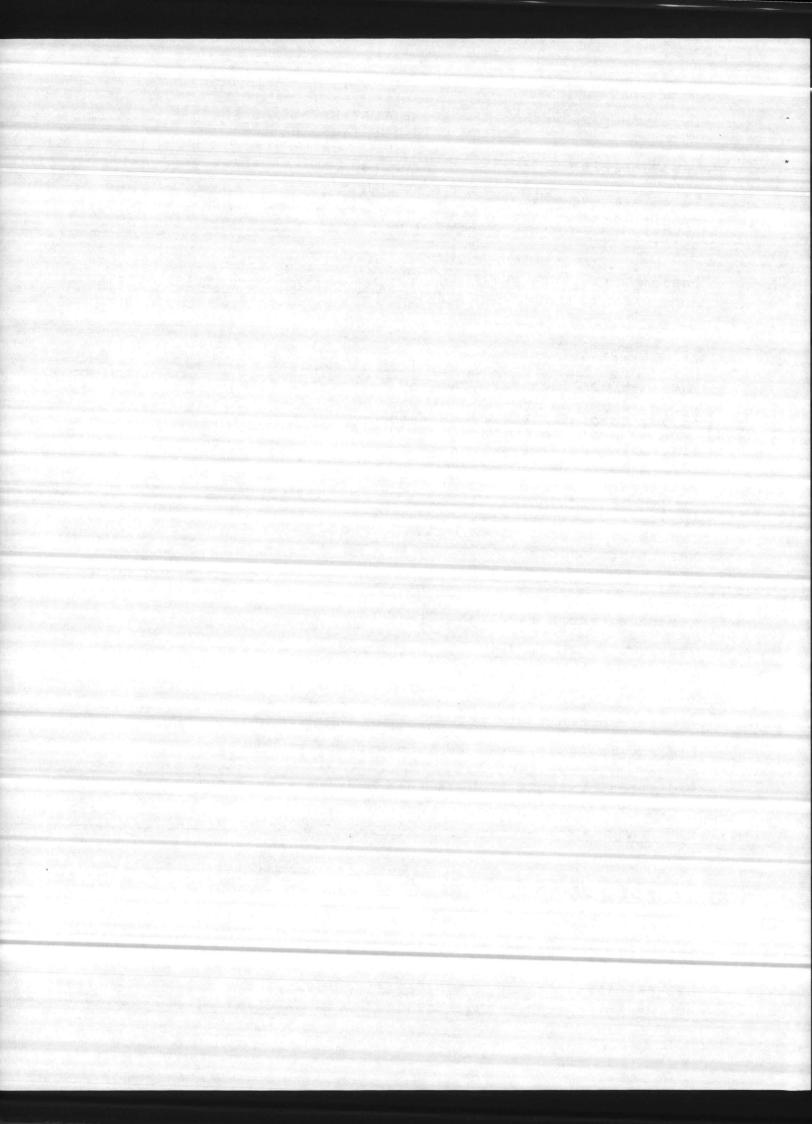
Tag Number(s) 173/174 Species	CC Date E	Incountered 6/21/86		
(list all tag #'s and letters) AAR				
Describe location encountered: 2.	8 miles south of 1	Risley Pier		
Circle correct answer:				
"New" turtle (not carrying any tag	or tag scar)	YES NO		
If no, then circle correct category:				
(1) Recapture of same project turtle (within season or multi-annual)				
(2) Recapture of different project turtle				
(3) Turtle has definite tag scars				
Tag return address (If other than NMFS Lab/Vir Key)				
Carapace length (straight line)	72 cm	<u>in.</u>		
Carapace width (straight line)	88 cm	in.		
Carapace length (over curve)	94 cm	in.		
Carapace width (over curve)	68 cm	in.		
Did turtle nest? YES NO UNDETERMINED (circle one)				
Additional remarks or data (use b	ack if necessary)	Turtle tested		
ground and then left.				

## Organization Tagging:



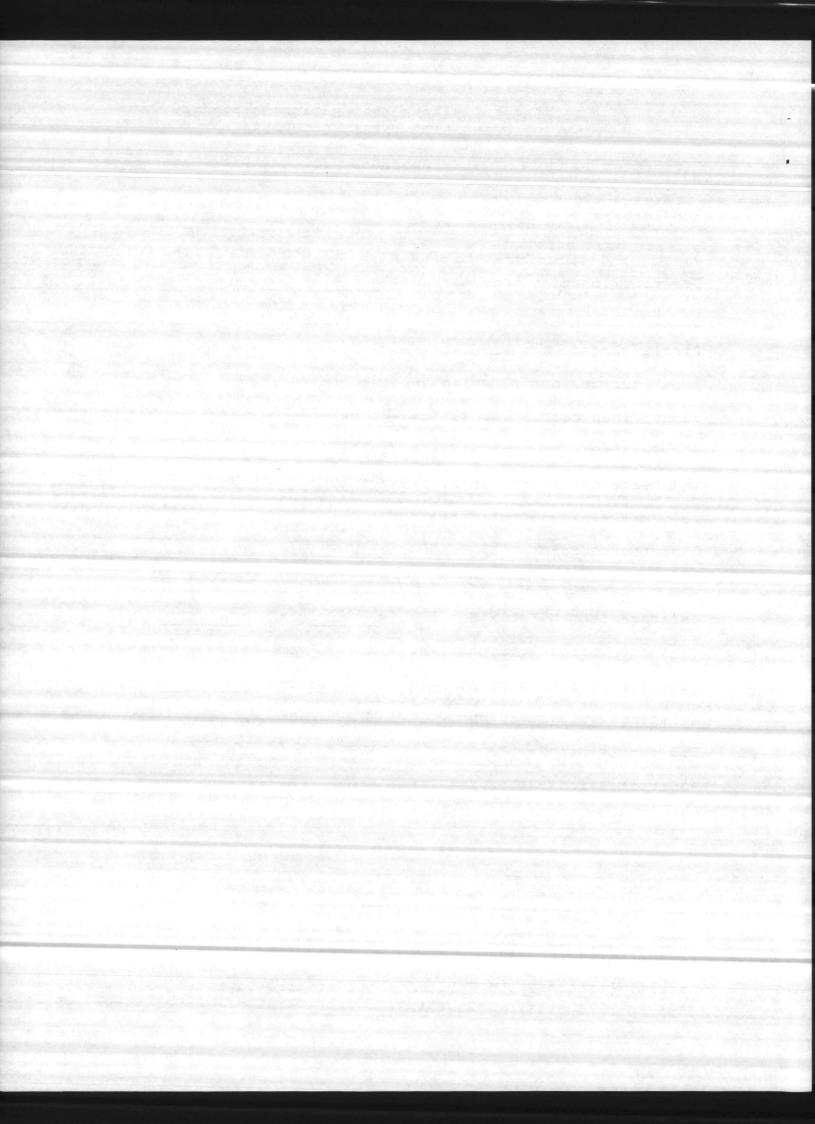
Tag Number(s) <u>051/052</u> Species <u>CC</u>	Date Encour	ntered 7/10/86	
(list all tag #'s and letters) AAR			
Describe location encountered: 2.5 mile	s south of Risle	y Pier	
Circle correct answer:			
"New" turtle (not carrying any tag or tag scar) YES NO			
If no, then circle correct category:			
(1) Recapture of same project turtle (within season or multi-annual)			
(2) Recapture of different project turtle			
(3) Turtle has definite tag scars			
Tag return address (If other than NMFS )	Lab/Vir Key)		
Carapace length (straight line)	Cm	in.	
Carapace width (straight line)	cm	in.	
Carapace length (over curve) 103	Cm	ln.	
Carapace width (over curve) 89	cm	ın.	
Did turtle nest? YES NO UNDETERMINED (circle one)			
Additional remarks or data (use back if	necessary) Low	w dunes, tried	
to nest in hard grassy area.	and the second s		

### Organization Tagging:



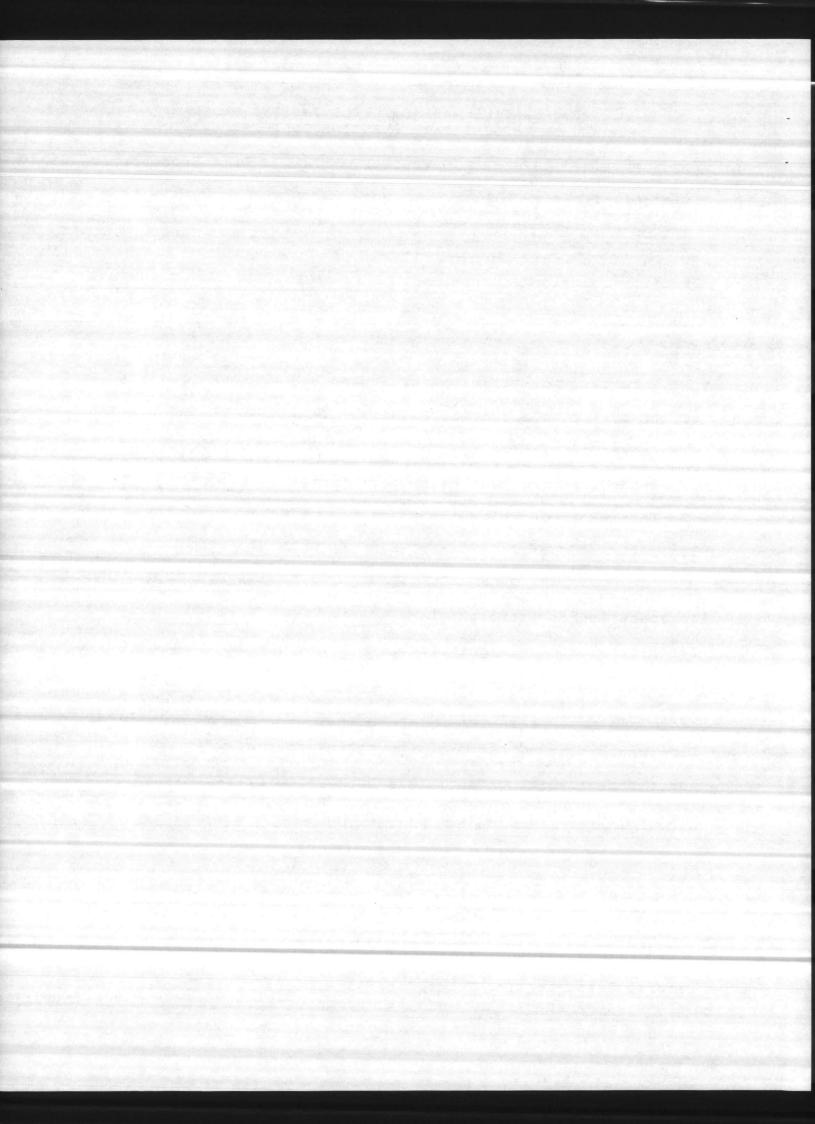
Tag Number(s) 747 Species CC Date Encou	intered 7/10/86		
(list all tag #'s and letters) IMS			
Describe location encountered: 1.6 miles north of Risl	ey Pier		
Circle correct answer:			
"New" turtle (not carrying any tag or tag scar)	YES NO		
If no, then circle correct category:			
(1) Recapture of same project turtle (within season or multi-annual)			
(2) Recapture of different project turtle			
(3) Turtle has definite tag scars			
Tag return address (If other than NMFS Lab/Vir Key)			
Carapace length (straight line) cm	in.		
Carapace width (straight line) cm	in.		
Carapace length (over curve) 95 cm	ln.		
Carapace width (over curve)89 cm	in.		
Did turtle nest? YES NO UNDETERMINED (circle one	)		
Additional remarks or data (use back if necessary)			

### Organization Tagging:



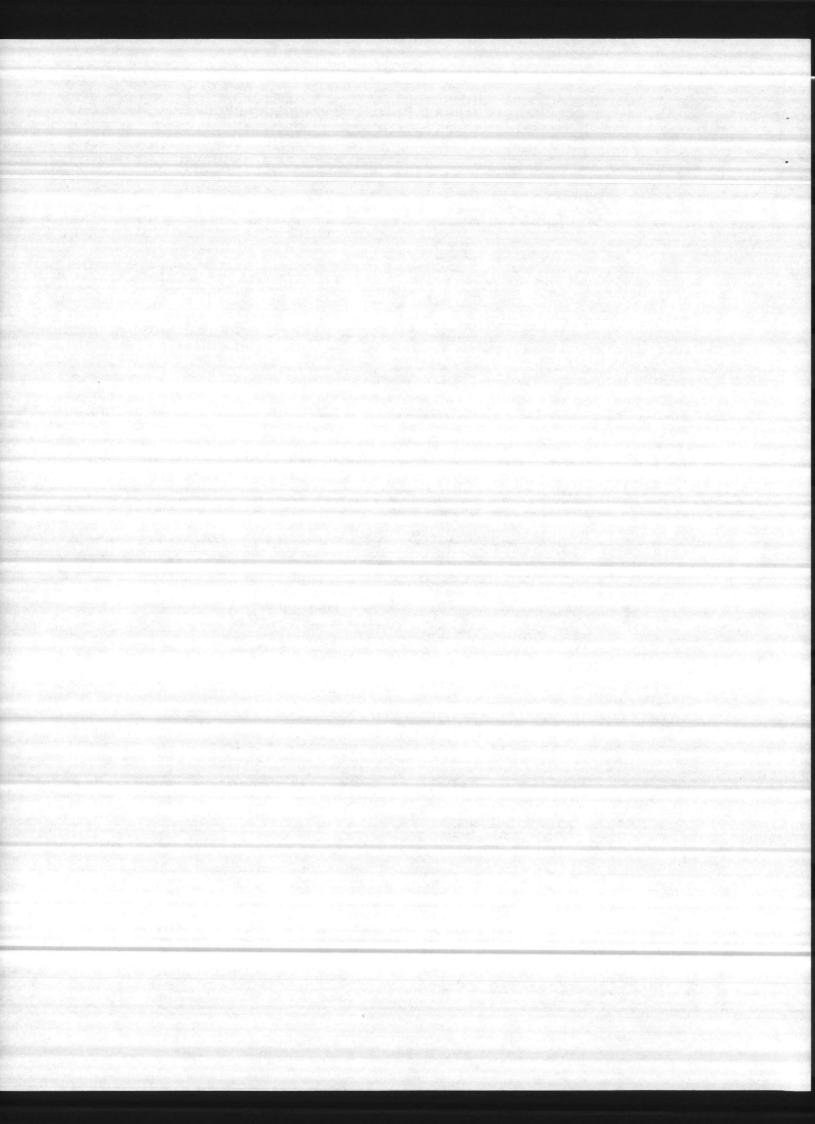
Tag Number(s) 171/172 Specie	s <u>CC</u>	Date Encountered 7/15/86		
(list all tag #'s and letters) AAR				
Describe location encountered: 0	.2 miles nor	th of Risley Pier		
Circle correct answer:				
"New" turtle (not carrying any ta	g or tag sc	ar) YES NO		
If no, then circle correct category:				
(1) Recapture of same project turtle (within season or multi-annual)				
(2) Recapture of different project turtle				
(3) Turtle has definite tag scars				
Tag return address (If other than NMFS Lab/Vir Key)				
Carapace length (straight line) _	82 cm	in.		
Carapace width (straight line)	67 cm	in.		
Carapace length (over curve)	90 cm	in.		
Carapace width (over curve)	86 cm	in.		
Did turtle nest? YES NO UNDETERMINED (circle one)				
Additional remarks or data (use k	back if nece	ssary) Laid 84 eggs,		
nest moved into dunes at same loc	ation from E	Risley Pier.		

### Organization Tagging:



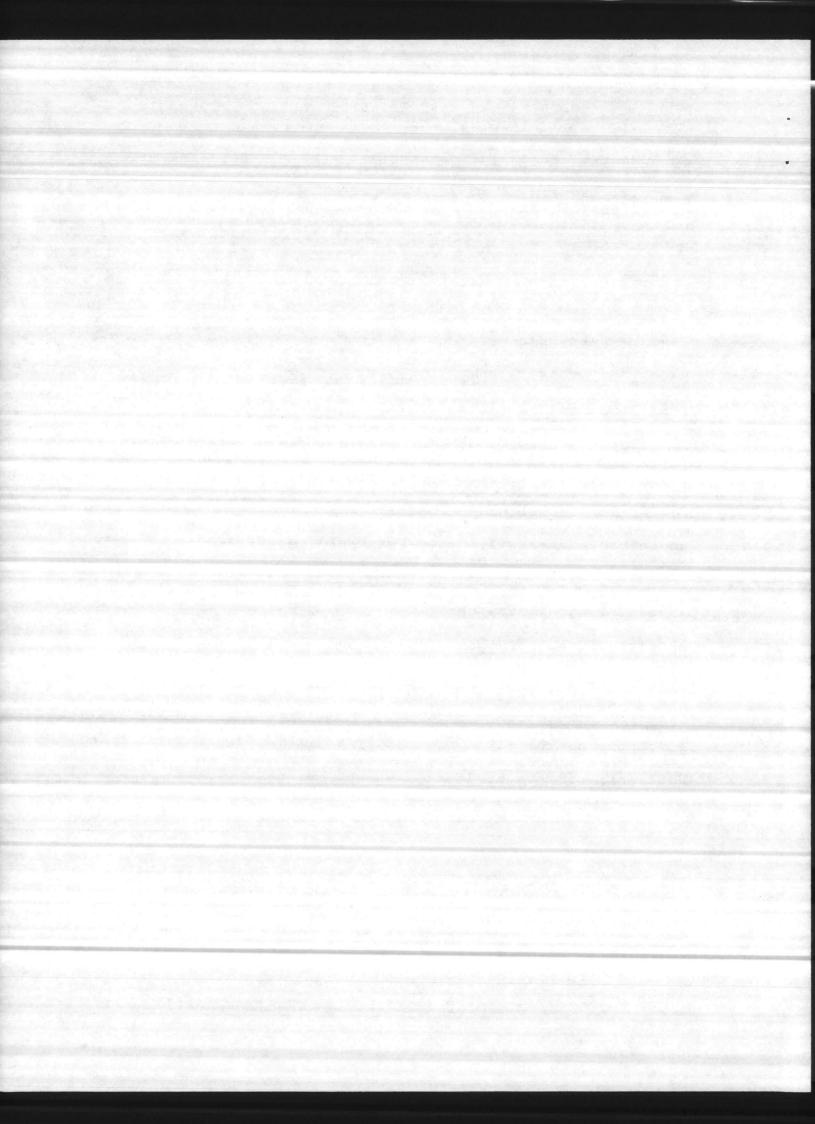
Tag Number(s) 099/100 Species	CC Date Enc	ountered 7/15/86		
(list all tag #'s and letters) AAR				
Describe location encountered: 1.6 miles south of Risley Pier				
Circle correct answer:				
"New" turtle (not carrying any tag or	tag scar)	YES NO		
If no, then circle correct category:				
(1) Recapture of same project turtle (within season or multi-annual)				
(2) Recapture of different project turtle				
(3) Turtle has definite tag scars				
Tag return address (If other than NMFS Lab/Vir Key)				
Carapace length (straight line)	Cm	in.		
Carapace width (straight line)	cm	_ in.		
Carapace length (over curve) 96	cm	in.		
Carapace width (over curve) 86	cm	in.		
Did turtle nest? YES NO UNDETERMINED (circle one)				
Additional remarks or data (use back	if necessary)	Turtle dug hole		
as if to lay, but failed to lay.				

## Organization Tagging:



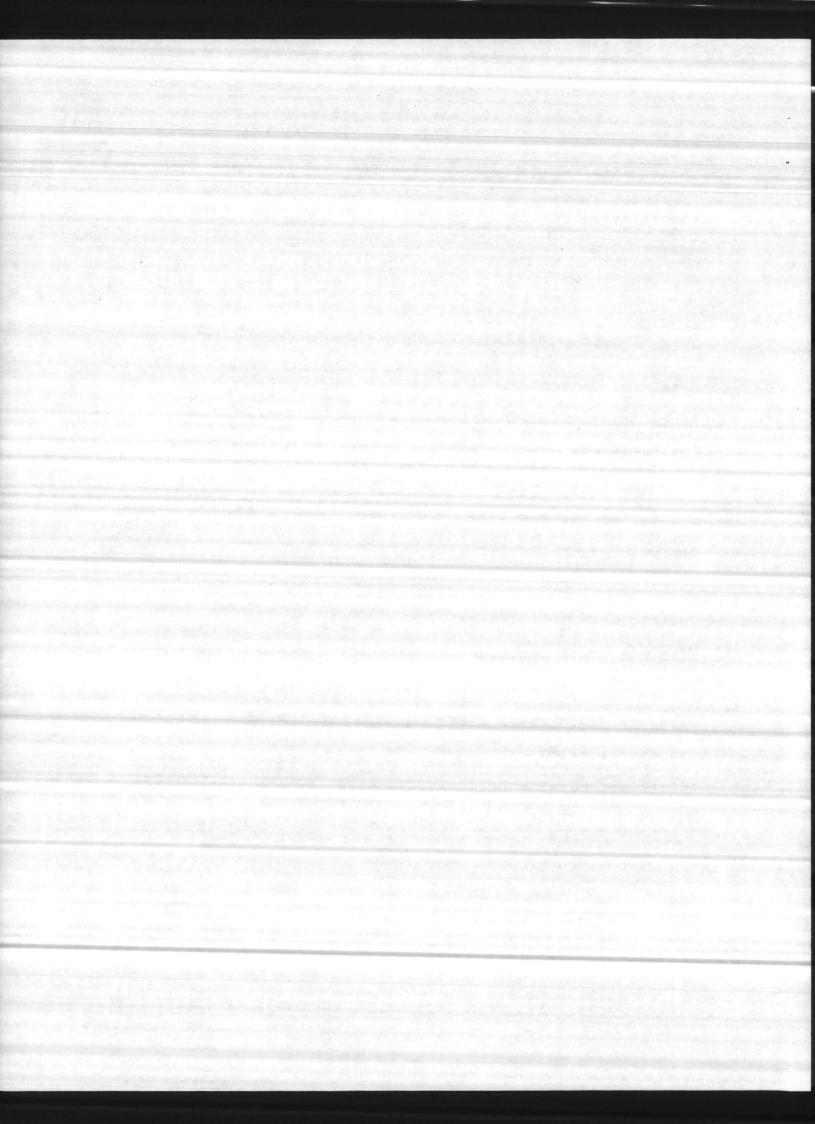
Tag Number(s) 173/174 Species CC	Date Encountered 7/16/86			
(list all tag #'s and letters) AAR				
Describe location encountered: 1.6 miles	s south of Risley Pier			
Circle correct answer:				
"New" turtle (not carrying any tag or ta	g scar) YES NO			
If no, then circle correct category:				
(1) Recapture of same project turtle (within season or multi-annual)				
(2) Recapture of different project turtle				
(3) Turtle has definite tag scars				
Tag return address (If other than NMFS L	ab/Vir Key)			
Carapace length (straight line)	cmin.			
Carapace width (straight line)	cm in.			
Carapace length (over curve) 92	cmin.			
Carapace width (over curve) 87	cmin.			
Did turtle nest? YES NO UNDETERMINE	D (circle one)			
Additional remarks or data (use back if	necessary) <u>Turtle came ashor</u>			
but did not lay.				

#### Organization Tagging:



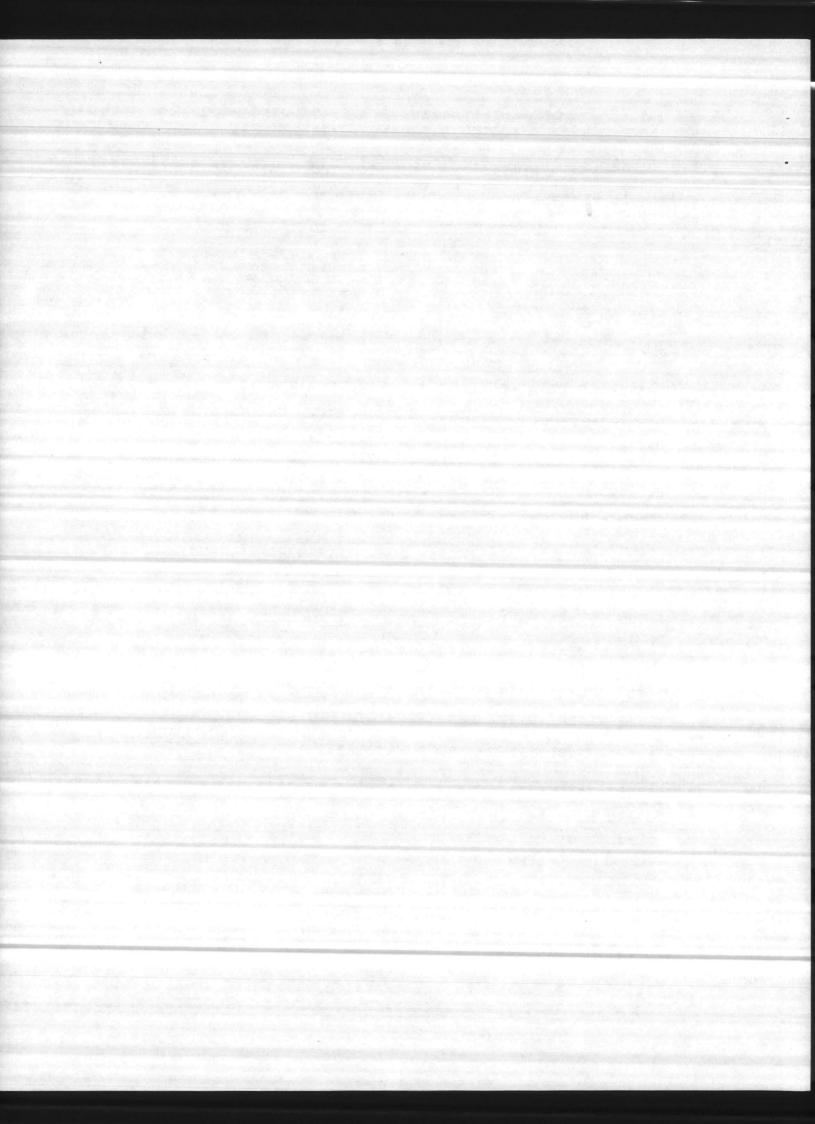
Tag Number(s) 173/174 Species CO	Date E	ncountered 7/16/86
(list all tag #'s and letters) AAR		
Describe location encountered: 0.3 mile	s north of F	Risley Pier
Circle correct answer:		
"New" turtle (not carrying any tag or tag	ag scar)	YES NO
If no, then circle correct category:		
(1) Recapture of same project turtle (w	ithin season	or multi-annual)
(2) Recapture of different project turt	le	
(3) Turtle has definite tag scars		
Tag return address (If other than NMFS	Lab/Vir Key)	
Carapace length (straight line)	cm	in.
Carapace width (straight line)	cm	in.
Carapace length (over curve)	cm	in.
Carapace width (over curve)	cm	in.
Did turtle nest? YES NO UNDETERMIN	ED (circle	one) :
Additional remarks or data (use back if	necessary)	Came up on real
low tide, turned and went back into water	er.	

#### Organization Tagging:



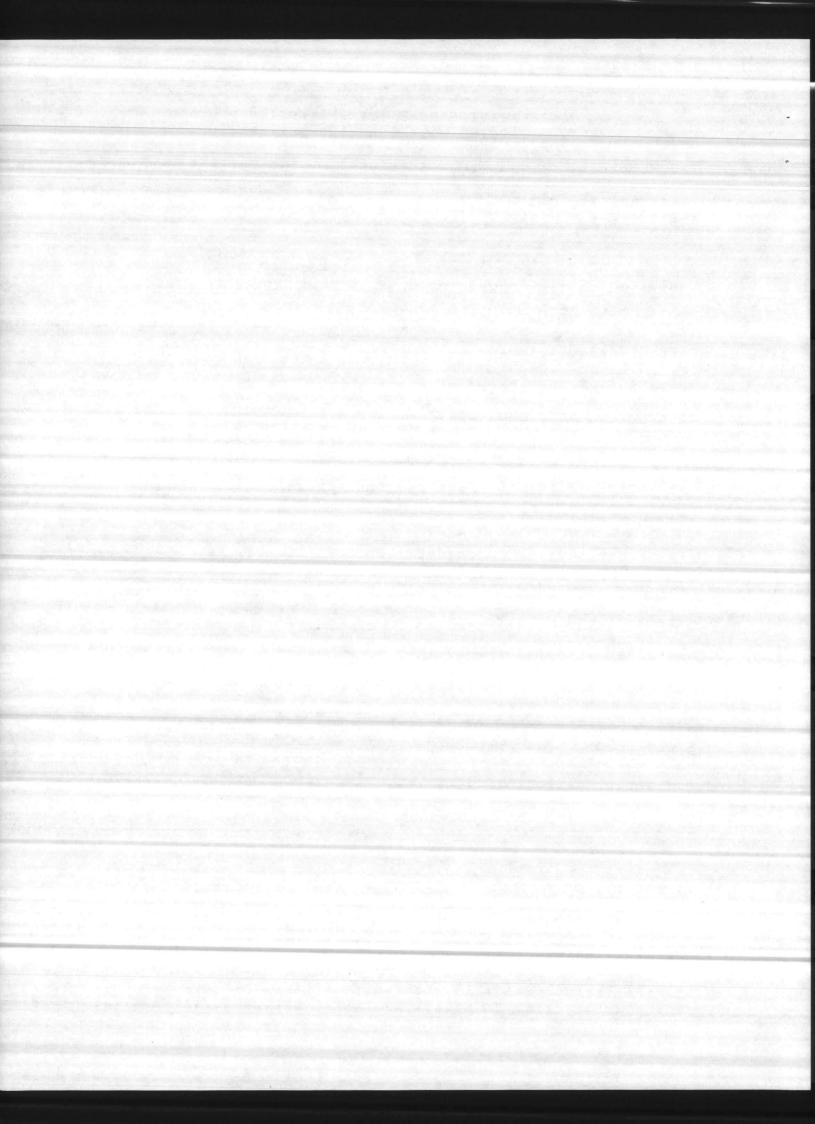
Tag Number(s) 173/174 Species	CC Date Er	ncountered 7/17/86
(list all tag #'s and letters) AAR		
Describe location encountered: 0.4	miles south o	f Risley Pier
Circle correct answer:		
"New" turtle (not carrying any tag or	tag scar)	YES NO
If no, then circle correct category:		
(1) Recapture of same project turtle (	within season	or multi-annual)
(2) Recapture of different project tur	rtle	
(3) Turtle has definite tag scars		
Tag return address (If other than NMFS	S Lab/Vir Key)	
Carapace length (straight line)	_ cm	in.
Carapace width (straight line)	_ cm	in.
Carapace length (over curve) 92	cm	in.
Carapace width (over curve) 87	cm	in.
Did turtle nest? YES NO UNDETERM	INED (circle	one)
Additional remarks or data (use back	if necessary)	Laid 106 eggs,
relocated at 0.1 miles north of Risley	Pier.	and the second s

#### Organization Tagging:



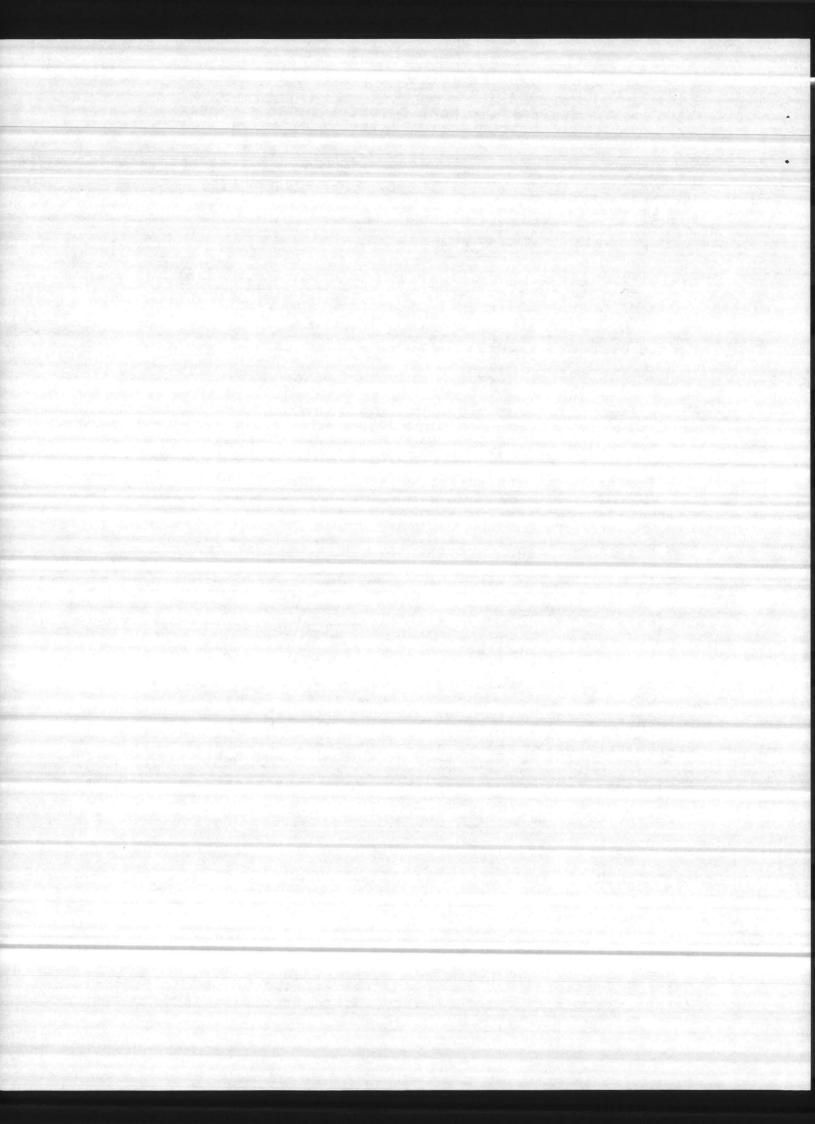
Tag Number(s) 183/184 Specie	s <u>CC</u>	Date Encountered	/17/86
(list all tag #'s and letters) AAR			
Describe location encountered: 1	.4 miles sou	ith of Risley Pier	
Circle correct answer:			
"New" turtle (not carrying any ta	g or tag sc	ar) YES N	:c
If no, then circle correct categor	ry:		
(1) Recapture of same project tur	tle (within	season or multi-a	innual)
(2) Recapture of different project	t turtle		
(3) Turtle has definite tag scars			
Tag return address (If other than	NMFS Lab/V	ir Key)	
	200		
Carapace length (straight line) _	102 cm	in.	
Carapace width (straight line)	74 cm	in.	
Carapace length (over curve)	106 cm	in.	
Carapace width (over curve)	102 cm	in.	
Did turtle nest? (ES) NO UNDE	TERMINED (	circle one)	ŕ
Additional remarks or data (use k	ack if nece	essary) Laid 123 e	eggs,
relocated nest at 2.1 miles north	of Risley B	Pier.	

#### Organization Tagging:



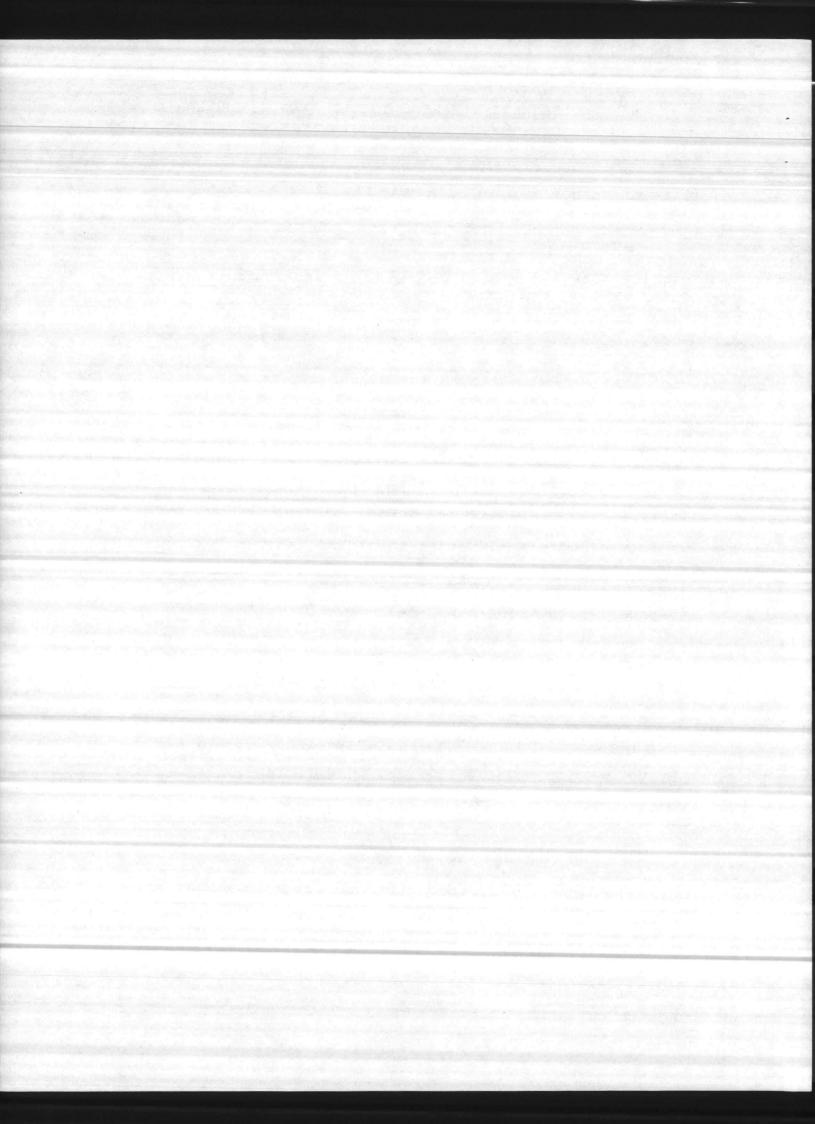
Tag Number(s)	SpeciesCC	_ Date Enco	ountered 7/23/86
(list all tag #'s and letters)			
Describe location encoun	ntered: 0.6 miles n	orth of Ris	ley Pier
Circle correct answer:			
"New" turtle (not carryi	ng any tag or tag	scar)	YES NO
If no, then circle corre	ect category:		
(1) Recapture of same pr	oject turtle (with	in season or	r multi-annual)
(2) Recapture of differe	ent project turtle		
(3) Turtle has definite	tag scars		
Tag return address (If o	other than NMFS Lab	/Vir Key) _	
Carapace length (straigh	nt line)cm		_ in.
Carapace width (straight	t line)cm		_ in,
Carapace length (over cu	urve) cm		_ in.
Carapace width (over cur	rve) cm		in.
Did turtle nest? YES (	NO UNDETERMINED	(circle on	e)
Additional remarks or da	ata (use back if ne	cessary) <u>I</u>	nstitute of Scien
Morehead City (didn't se	ee any number). Tu	tle was in	edge of water whe
I turned her over, unabl	e to obtain carapac	ce informati	on.

#### Organization Tagging:



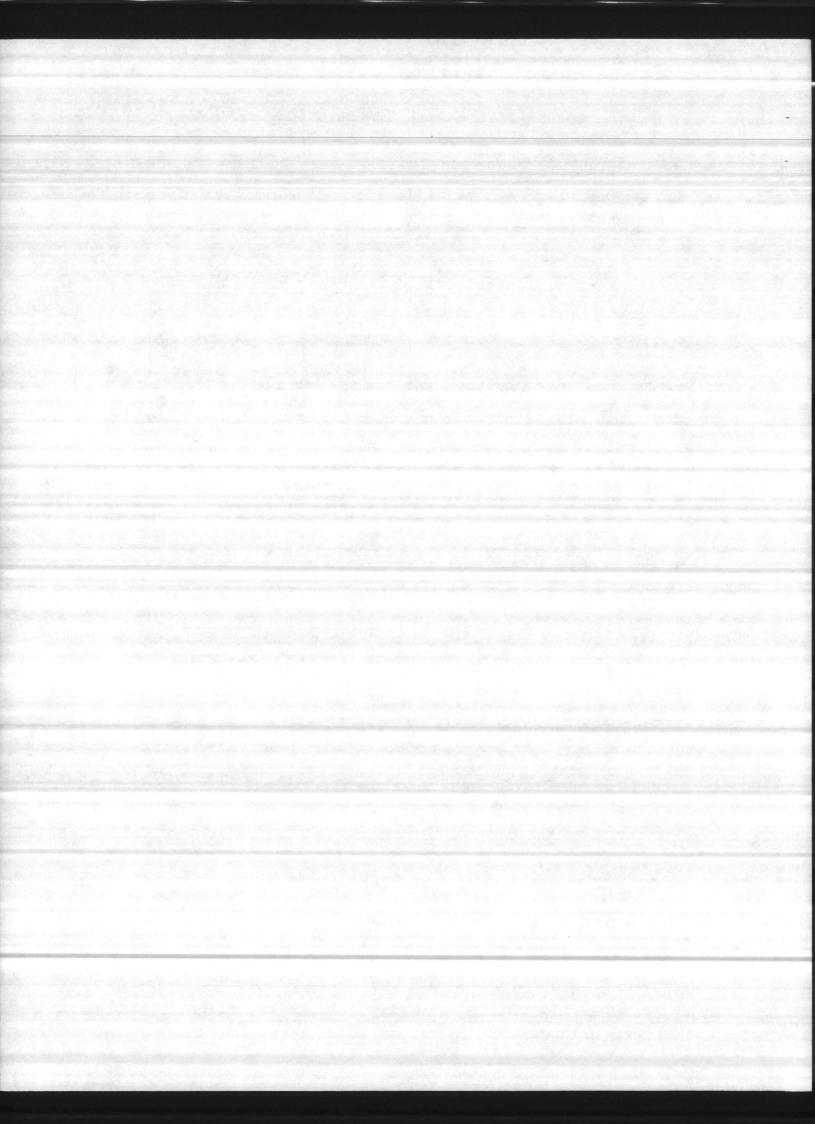
Tag Number(s) 185/186 Species C	C Date Enco	untered 7/24/86
(list all tag #'s and letters) AAR		
Describe location encountered: 1.4 mil	es south of Risl	ley Pier
Circle correct answer:		
"New" turtle (not carrying any tag or t	ag scar)	YES NO
If no, then circle correct category:		
(1) Recapture of same project turtle (%	ithin season or	multi-annual;
(2) Recapture of different project turt	:le	
(3) Turtle has definite tag scars		
Tag return address (If other than NMFS	Lab/Vir Key)	
Carapace length (straight line)	_ cm	_ in.
Carapace width (straight line)		_ in.
Carapace length (over curve)		in.
Carapace width (over curve)	_ cm	in.
Did turtle nest? YES NO UNDETERMIN	NED (circle one	) .
Additional remarks or data (use back i	f necessary)	

#### Organization Tagging:



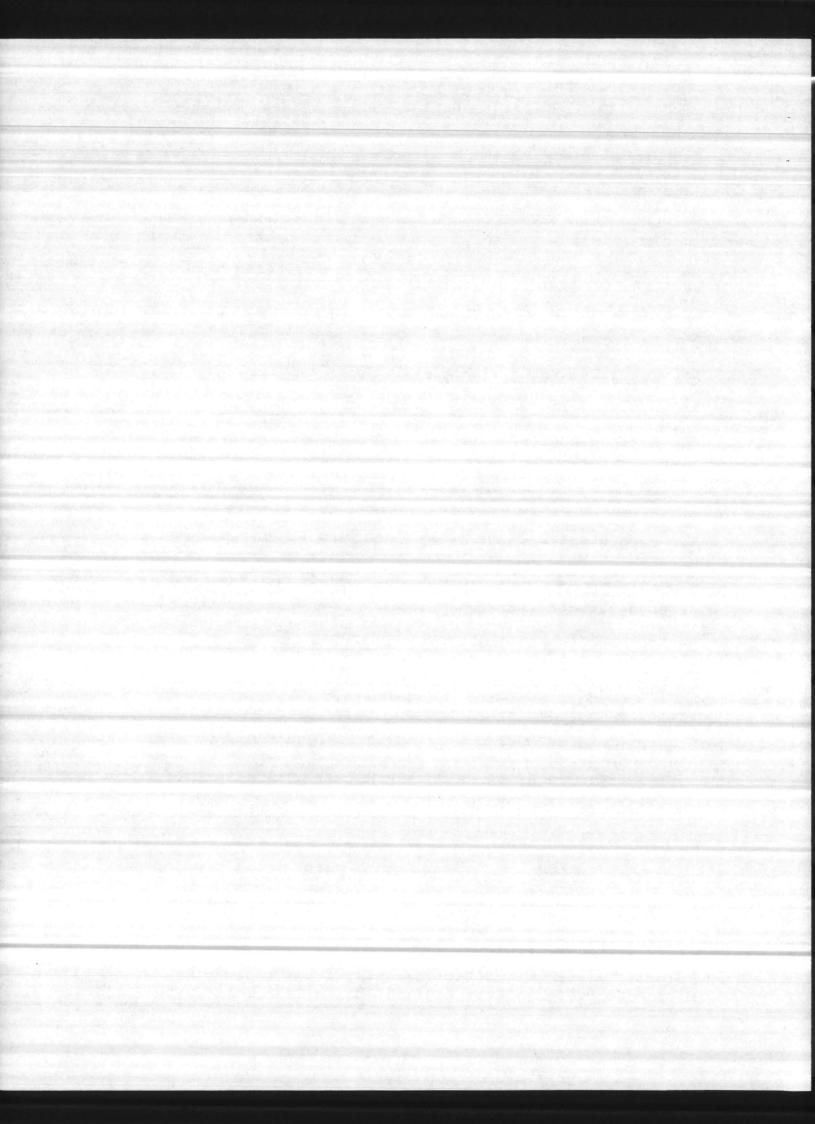
Tag Number(s) 171/172 Specie	s <u>CC</u>	Date Encou	intered 7/26/86
(list all tag #'s and letters) AAR			
Describe location encountered: 2	.3 miles nor	th of Risl	ey Pier
Circle correct answer:			
"New" turtle (not carrying any ta	g or tag sca	ar)	YES NO
If no, then circle correct catego	ry:		
(1) Recapture of same project tur	tle (within	season or	multi-annual)
(2) Recapture of different projec	t turtle		
(3) Turtle has definite tag scars			
Tag return address (If other than	NMFS Lab/V	ir Key)	
Carapace length (straight line) _	82 cm		in.
Carapace width (straight line) _	67 cm		ín.
Carapace length (over curve)	90 cm		in.
Carapace width (over curve)	86 cm		in.
Did turtle nest? YES NO UNDE	TERMINED (	circle one	
Additional remarks or data (use b	ack if nece	ssary)	

#### Organization Tagging:



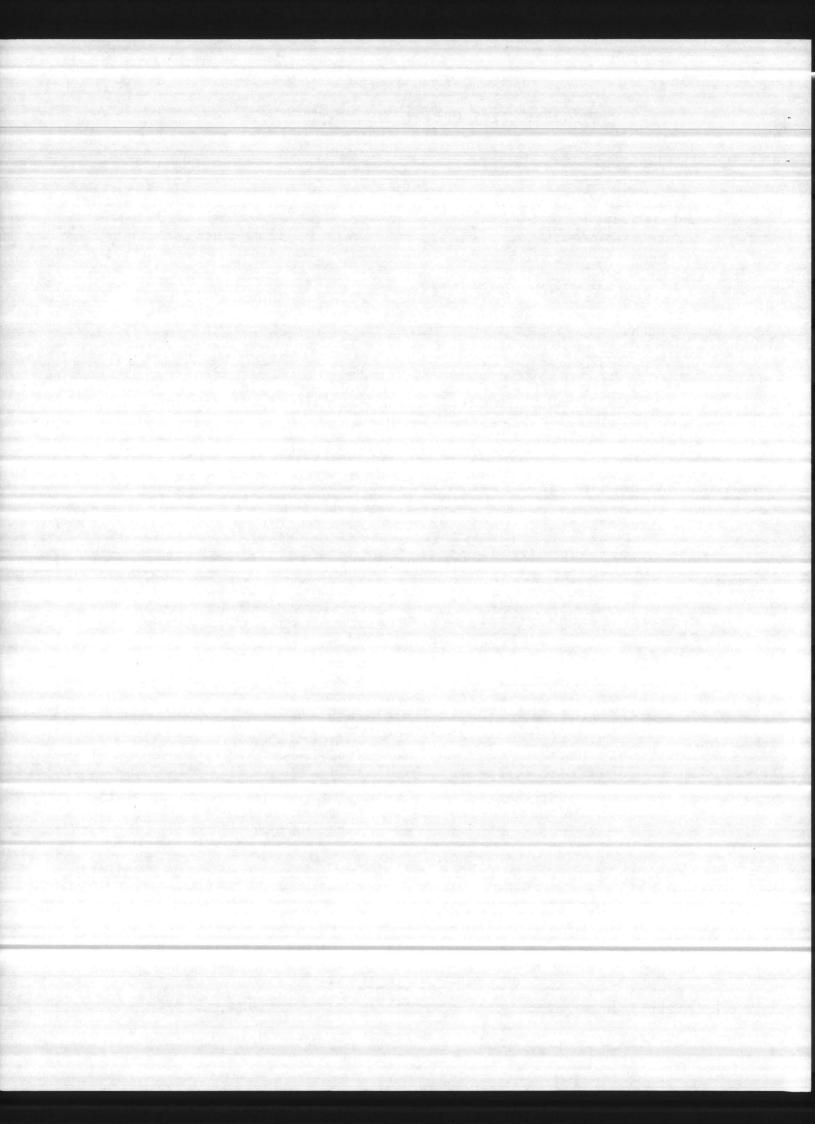
Tag Number(s) <u>187/188</u> Species <u>CC</u> I	Date Encountered 7/26/86
(list all tag #'s and letters) AAR	
Describe location encountered: 2.1 miles nort	h of Risley Pier
Circle correct answer:	
"New" turtle (not carrying any tag or tag scar	r) YES NO
If no, then circle correct category:	
(1) Recapture of same project turtle (within	season or multi-annual)
(2) Recapture of different project turtle	
(3) Turtle has definite tag scars	
Tag return address (If other than NMFS Lab/Vi	r Key)
Carapace length (straight line) cm	in.
Carapace width (straight line) cm	in.
Carapace length (over curve) 97 cm	in.
Carapace width (over curve) 95 cm	in.
Did turtle nest? YES NO UNDETERMINED (c	ircle one)
Additional remarks or data (use back if neces	sary) Turtle came ashor
scratched around for 20 min., didn't lay, went	

#### Organization Tagging:



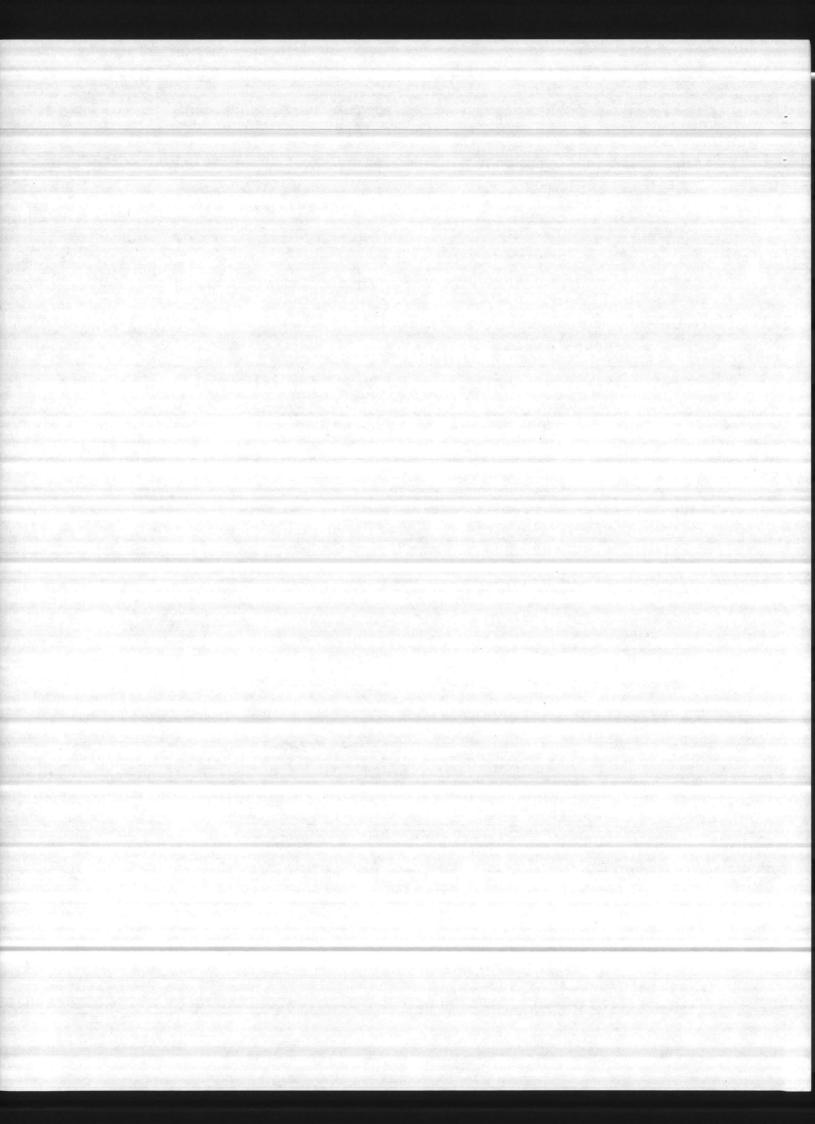
Tag Number(s)	189/190 S	pecies _	CC	Date Enco	untered 7 <u>/2</u>	8/86
(list all tag # and letters)	AAR					
Describe locati	on encountere	ed: 0.8 m	iles sou	th of Risl	ey Pier	
Circle correct	answer:					
"New" turtle (r	not carrying a	any tag or	tag sc	ar) (	YES NO	
If no, then cir	cle correct o	ategory:				
(1) Recapture of	of same projec	t turtle	(within	season or	multi-ann	ual)
(2) Recapture of	of different p	project to	urtle			
(3) Turtle has	definite tag	scars				
Tag return addı	ress (If other	than NM	FS Lab/V	ir Key)		
Carapace length	n (straight l:	ine) 93	3 cm		in.	
Carapace width	(straight lim	ne) 79	cm		in.	
Carapace length	n (over curve	) 98	cm	NAME OF THE PARTY	in.	
Carapace width	(over curve)	. 83	3cm		10.	
Did turtle nes	t? YES NO	UNDETER	MINED (	circle one	)	
Additional rema	arks or data	(use back	if nece	ssary) Tu	irtle laid	facing
the water. Mov						

#### Organization Tagging:



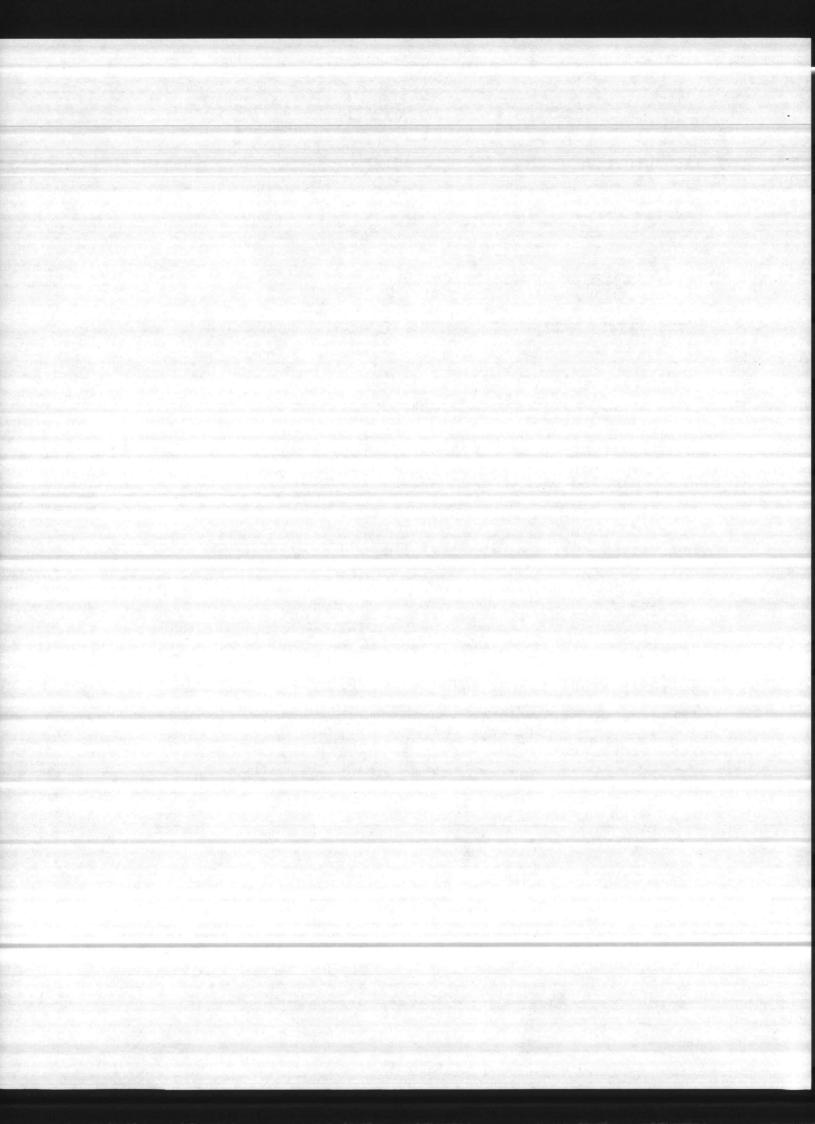
Tag Number(s) 051/052 Species 0	CC Date Enc	ountered 7/10/86
(list all tag #'s and letters) AAR		
Describe location encountered: 2.5 mi	les south of Ris	sley Pier
Circle correct answer:		
"New" turtle (not carrying any tag or	tag scar)	YES NO
If no, then circle correct category:		
(1) Recapture of same project turtle (	within season o	or multi-annual)
(2) Recapture of different project tur	tle	
(3) Turtle has definite tag scars		
Tag return address (If other than NMFS	Lab/Vir Key)	
Carapace length (straight line)	Cm	in.
Carapace width (straight line)	_ cm	in.
Carapace length (over curve) 103	_ cm	in.
Carapace width (over curve) 89	_ cm	in.
Did turtle nest? YES NO UNDETERMI	NED (circle or	ne)
Additional remarks or data (use back i	f necessary)	Low dunes, tried
to nest in hard grassy area.		

#### Organization Tagging:



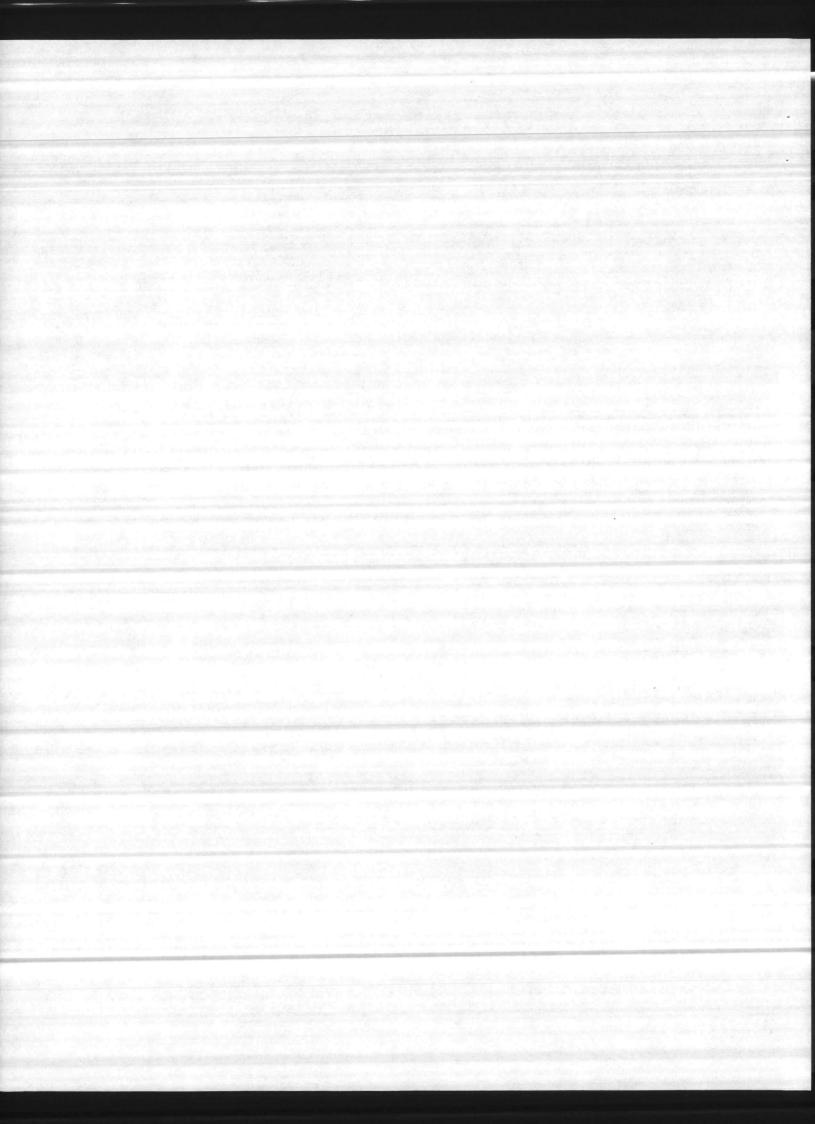
Tag Number(s) 747 Species 0	C Date Enco	untered 7/10/86
(list all tag #'s and letters) IMS		
Describe location encountered: 1.6 mil	es north of Ris	ley Pier
Circle correct answer:		
"New" turtle (not carrying any tag or	tag scar)	YES NO
If no, then circle correct category:		
(1) Recapture of same project turtle (	within season or	multi-annual)
(2) Recapture of different project tur	tle	
(3) Turtle has definite tag scars		
Tag return address (If other than NMFS	Lab/Vir Key)	
Carapace length (straight line)		_in.
Carapace width (straight line)	_ cm	_ in.
Carapace length (over curve) 95	_ cm	_ in.
Carapace width (over curve) 89	_ cm	_ in.
Did turtle nest? YES NO UNDETERMI	NED (circle one	e)
Additional remarks or data (use back i	f necessary)	

#### Organization Tagging:



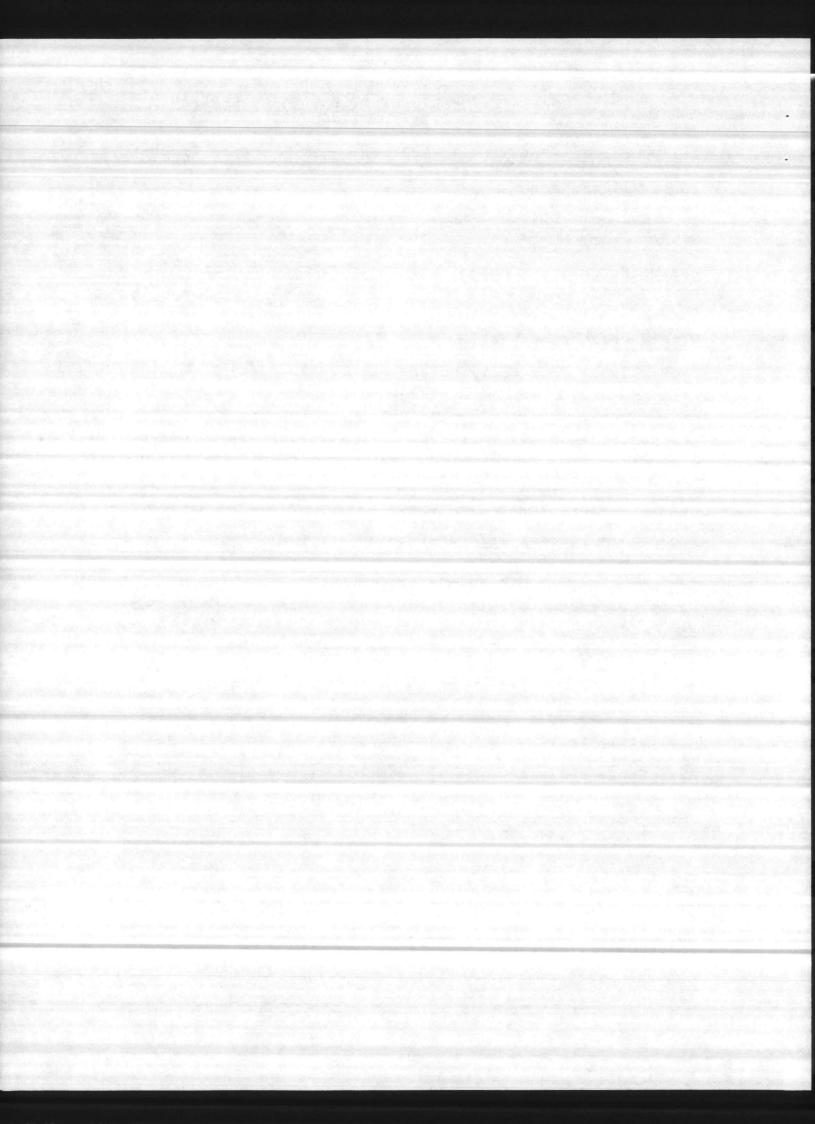
Tag Number(s) 171/172 Specie	s <u>CC</u>	Date Encountered 7/15/86
(list all tag #'s AAR AAR		
Describe location encountered:	.2 miles nor	th of Risley Pier
Circle correct answer:		
"New" turtle (not carrying any ta	g or tag sca	ar) YES NO
If no, then circle correct categor	ry:	
(1) Recapture of same project tur	tle (within	season or multi-annual)
(2) Recapture of different project	t turtle	
(3) Turtle has definite tag scars		
Tag return address (If other than	NMFS Lab/V	ir Key)
Carapace length (straight line)	82 cm	in.
Carapace width (straight line)	67 cm	in.
Carapace length (over curve)	90 cm	in.
Carapace width (over curve)	86 cm	ın.
Did turtle nest? YES NO UNDE	ETERMINED (	circle one)
Additional remarks or data (use k	back if nece	ssary) <u>Laid 84 eggs,</u>
nest moved into dunes at same loc	ation from R	isley Pier.

#### Organization Tagging:



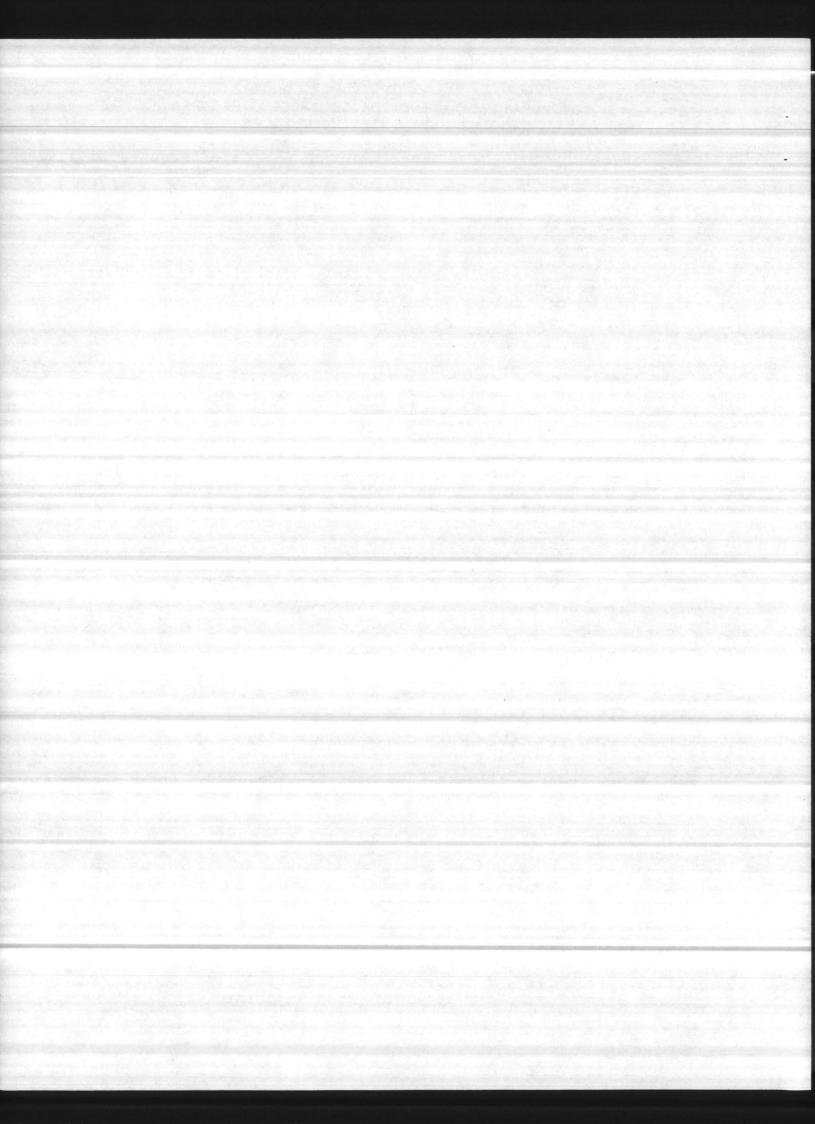
Tag Number(s) 099/100 Species C	C Date En	countered 7 <u>/15/86</u>
(list all tag #'s and letters) AAR		
Describe location encountered: 1.6 mil	es south of Ri	sley Pier
Circle correct answer:		
"New" turtle (not carrying any tag or t	ag scar)	YES NO
If no, then circle correct category:		
(1) Recapture of same project turtle (	vithin season	or multi-annual;
(2) Recapture of different project turt	:le	
(3) Turtle has definite tag scars		
Tag return address (If other than NMFS	Lab/Vir Key)	
Carapace length (straight line)	cm	in.
Carapace width (straight line)	_ cm	in.
Carapace length (over curve) 96	cm	in.
Carapace width (over curve) 86	_ cm	in.
Did turtle nest? YES NO UNDETERMIN	NED (circle o	ne)
Additional remarks or data (use back in	f necessary)	Turtle dug hole
as if to lay, but failed to lay.		

#### Organization Tagging:



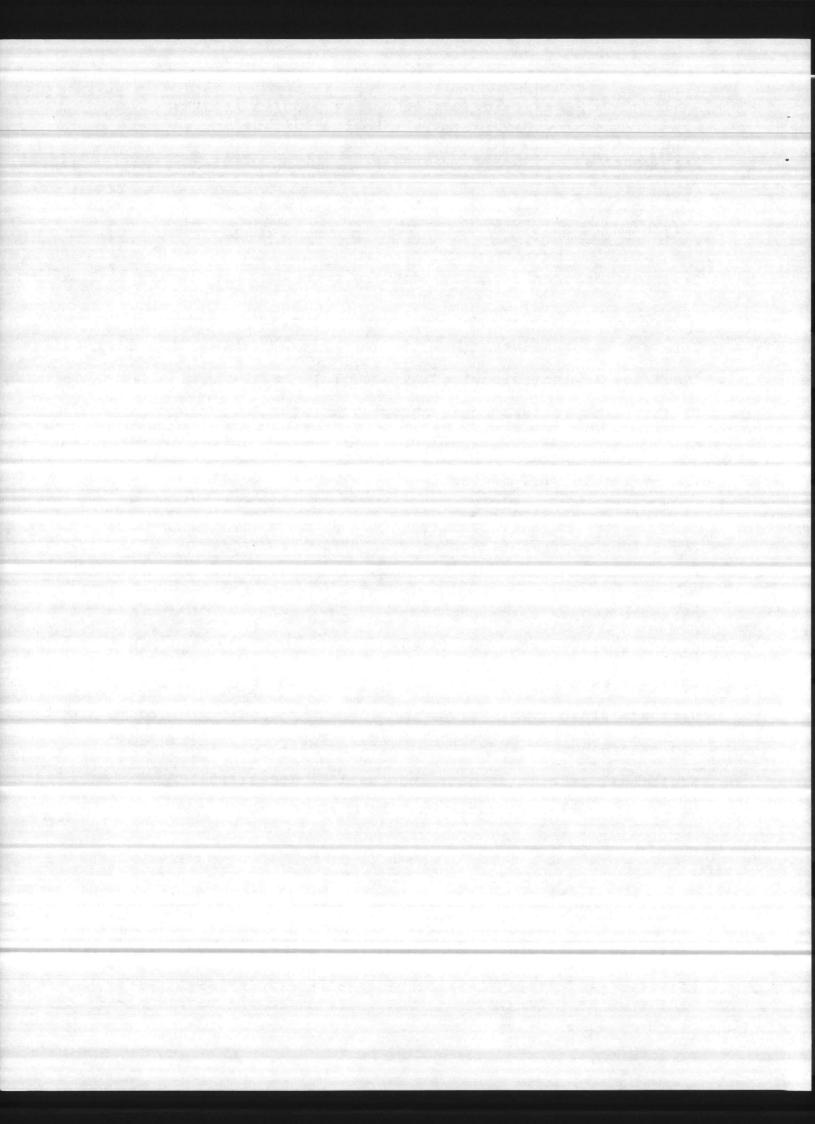
Tag Number(s) 173/174 Species	CC Date Encou	untered 7/16/86
(list all tag #'s and letters) AAR		
Describe location encountered: 1.6 mi	les south of Risl	ey Pier
Circle correct answer:		
"New" turtle (not carrying any tag or	tag scar)	YES NO
If no, then circle correct category:		
(1) Recapture of same project turtle (	within season or	multi-annual)
(2) Recapture of different project tur	tle	
(3) Turtle has definite tag scars		
Tag return address (If other than NMFS	Lab/Vir Key)	
Carapace length (straight line)	cm	in.
Carapace width (straight line)	cm	in.
Carapace length (over curve) 92	cm	18.
Carapace width (over curve) 87	cm	in.
Did turtle nest? YES NO UNDETERMI	NED (circle one	)
Additional remarks or data (use back i	f necessary) <u>Ti</u>	urtle came ashor
but did not lay.	Martin Jers von Marin in Standard in der Galle.	

#### Organization Tagging:



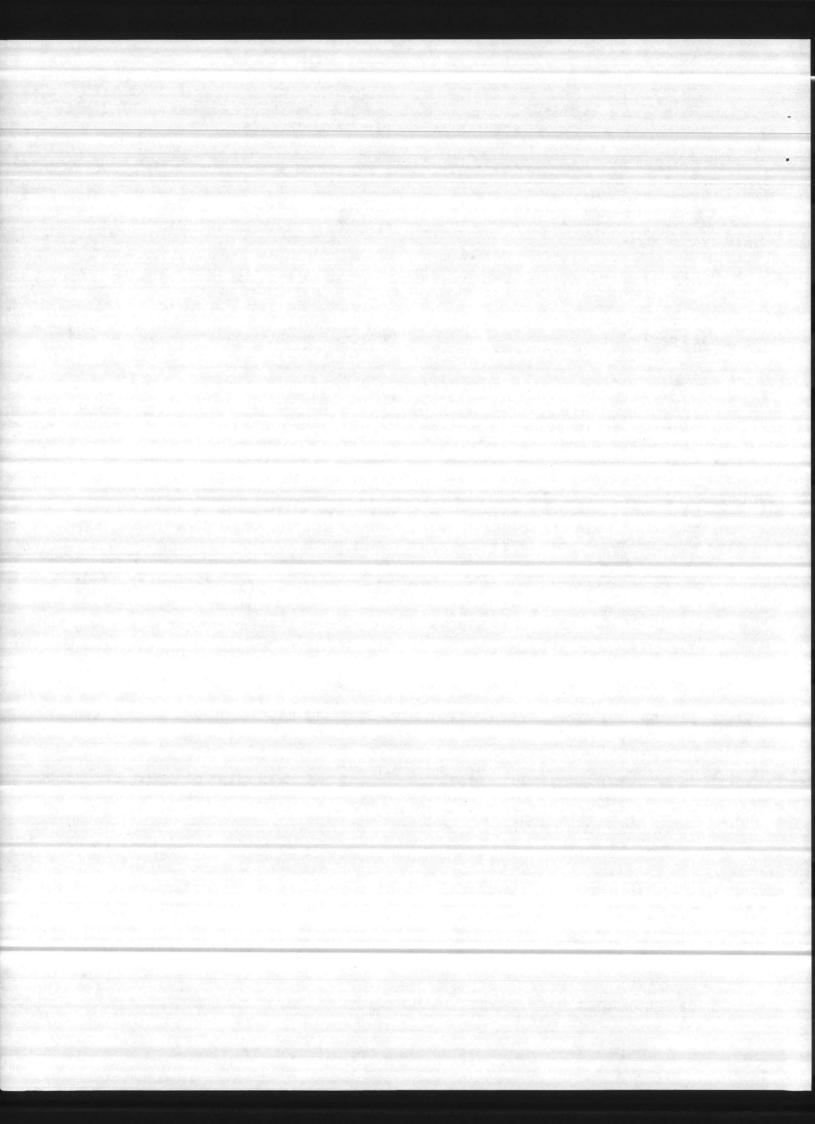
Tag Number(s) 173/174 Species CO	Date E	ncountered 7/16/86	
(list all tag #'s and letters)AAR			
Describe location encountered: 0.3 mile	es north of	Risley Pier	
Circle correct answer:			
"New" turtle (not carrying any tag or t	ag scar)	YES NO	
If no, then circle correct category:			
(1) Recapture of same project turtle (within season or multi-annual)			
(2) Recapture of different project turtle			
(3) Turtle has definite tag scars			
Tag return address (If other than NMFS	Lab/Vir Key)		
Carapace length (straight line)	cm	in.	
Carapace width (straight line)	cm	in.	
Carapace length (over curve)	cm	ın.	
Carapace width (over curve)		in.	
Did turtle nest? YES NO UNDETERMINED (circle one)			
Additional remarks or data (use back if	necessary)	Came up on real	
low tide, turned and went back into wat	er.		

#### Organization Tagging:



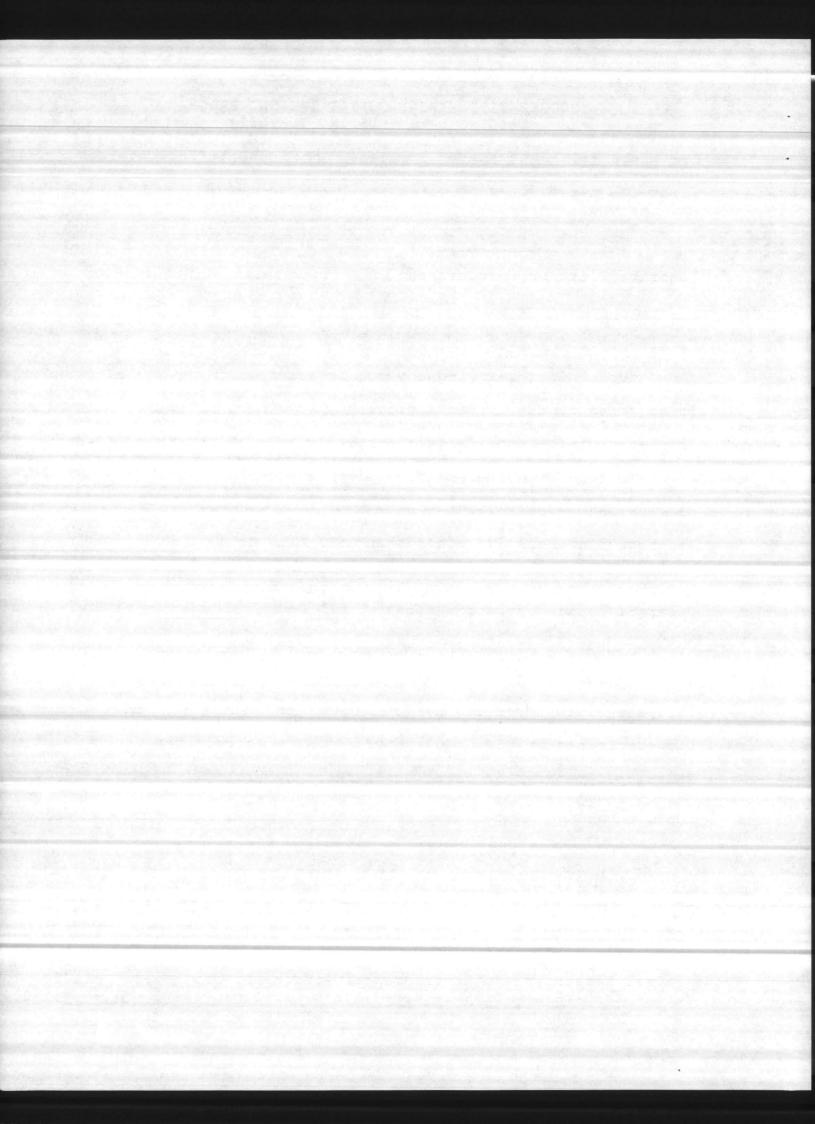
Tag Number(s) 173/174 Species CC Date Encountered 7/17/86
(list all tag #'s and letters) AAR
Describe location encountered: 0.4 miles south of Risley Pier
Circle correct answer:
"New" turtle (not carrying any tag or tag scar) YES NO
If no, then circle correct category:
(1) Recapture of same project turtle (within season or multi-annual)
(2) Recapture of different project turtle
(3) Turtle has definite tag scars
Tag return address (If other than NMFS Lab/Vir Key)
Carapace length (straight line) cm in.
Carapace width (straight line) cm in.
Carapace length (over curve) 92 cm in.
Carapace width (over curve)87 cmin.
Did turtle nest? YES NO UNDETERMINED (circle one)
Additional remarks or data (use back if necessary) Laid 106 eggs,
relocated at 0.1 miles north of Risley Pier.

#### Organization Tagging:



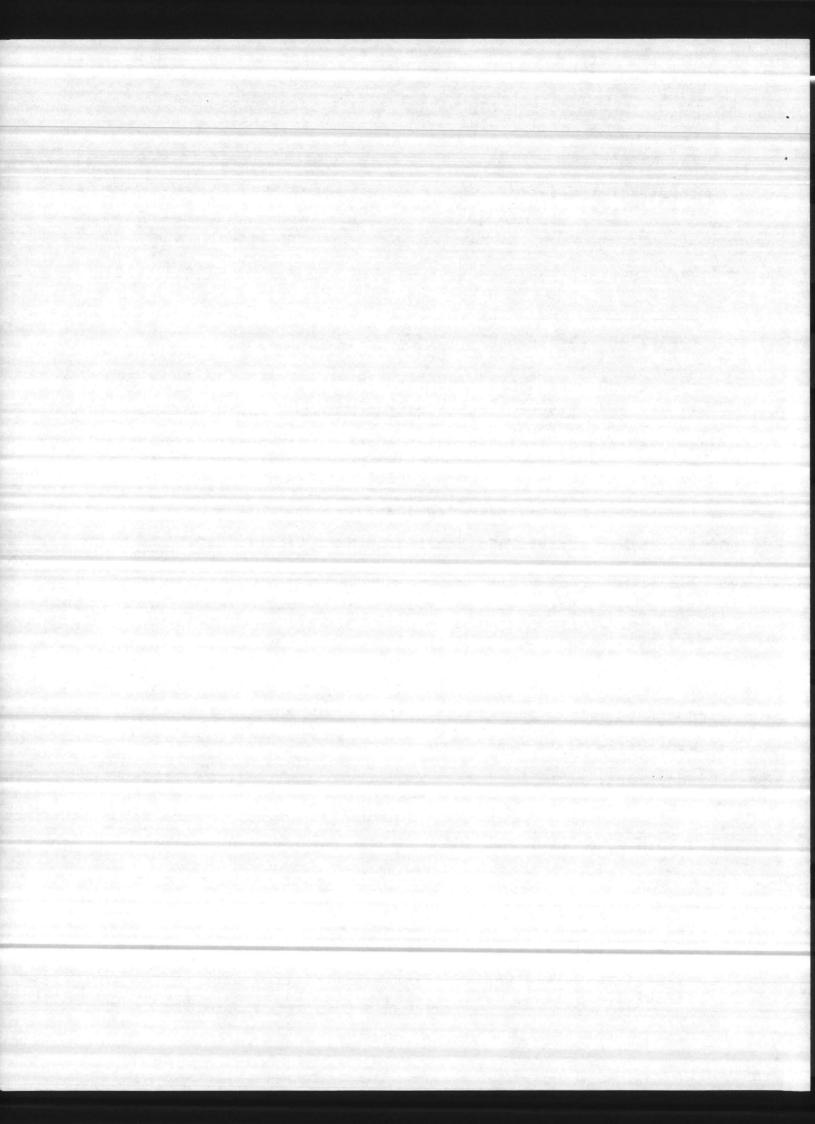
Tag Number(s) <u>183/184</u> Sp	ecies <u>CC</u>	Date Enco	ountered 7 <u>/17/86</u>	
(list all tag #'s and letters) AAR				
Describe location encountered	: 1.4 miles s	outh of Ris	ley Pier	
Circle correct answer:				
"New" turtle (not carrying an	y tag or tag s	car)	YES NO	
If no, then circle correct ca	tegory:			
(1) Recapture of same project turtle (within season or multi-annual)				
(2) Recapture of different project turtle				
(3) Turtle has definite tag scars				
Tag return address (If other	than NMFS Lab	(Vir Key) _		
Carapace length (straight lin	e) <u>102</u> cm		_ in.	
Carapace width (straight line	) <u>74</u> cm		_ in.	
Carapace length (over curve)	106cm		_ in.	
Carapace width (over curve)	cm		_ in.	
Did turtle nest? (ES) NO	UNDETERMINED	(circle on	e )	
Additional remarks or data (u	se back if nec	cessary) <u>L</u>	aid 123 eggs,	
relocated nest at 2.1 miles n	orth of Risley	Pier.		

#### Organization Tagging:



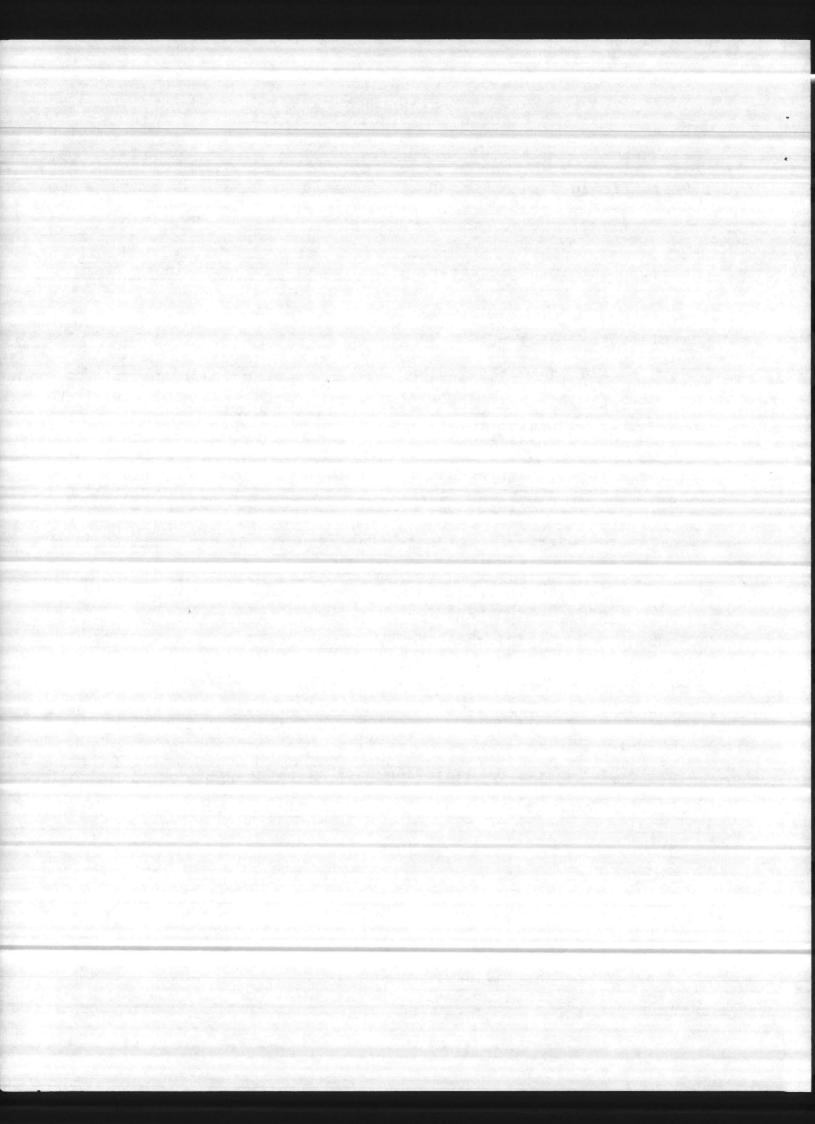
Tag Number(s)	Species _	СС	Date Enc	ountered 7 <u>/23/86</u>
(list all tag #'s and letters)				
Describe location encount	ered: 0.6	miles nor	th of Ris	sley Pier
Circle correct answer:				
"New" turtle (not carryin	g any tag	or tag sc	ar)	YES NO
If no, then circle correct	t category	•		
(1) Recapture of same pro	ject turtle	e (within	season c	r multi-annual)
(2) Recapture of differen	t project	turtle		
(3) Turtle has definite t	ag scars			
Tag return address (If ot	her than N	MFS Lab/V	ir Key) _	
Carapace length (straight	line)	cm		in.
Carapace width (straight	line)	cm		_ in.
Carapace length (over cur	ve)	cm		in.
Carapace width (over curv	re)	cm		in.
Did turtle nest? YES	O UNDETE	RMINED (	circle or	ne)
Additional remarks or dat	a (use bac	k if nece	ssary)	Institute of Scien
Morehead City (didn't see	any number	). Turt	le was in	edge of water whe
I turned her over, unable	to obtain	carapace	informat	ion.

#### Organization Tagging:



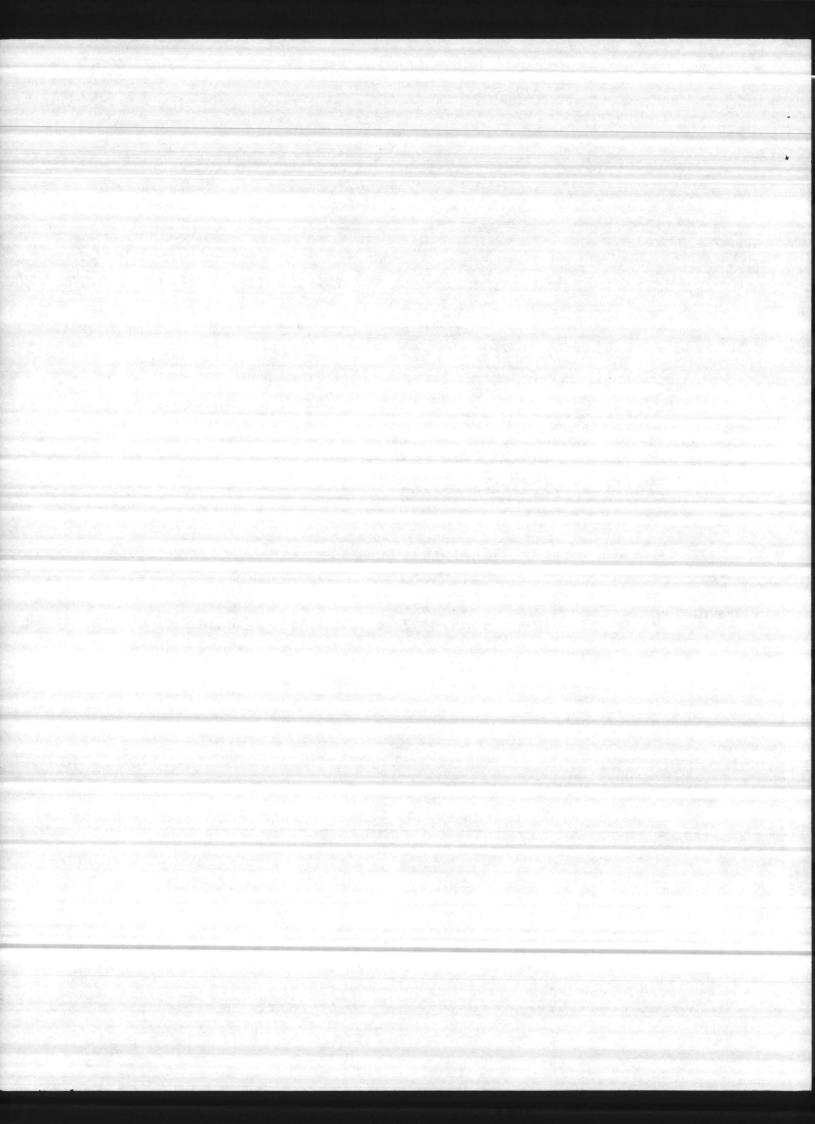
Tag Number(s) 185/186 Species CC Date B	Encountered 7/24/86		
(list all tag #'s and letters) AAR			
Describe location encountered: 1.4 miles south of	Risley Pier		
Circle correct answer:			
"New" turtle (not carrying any tag or tag scar)	YES NO		
If no, then circle correct category:			
(1) Recapture of same project turtle (within season or multi-annual)			
(2) Recapture of different project turtle			
(3) Turtle has definite tag scars			
Tag return address (If other than NMFS Lab/Vir Key	)		
Carapace length—(straight line) cm	in.		
Carapace width (straight line)cm	in.		
Carapace length (over curve) cm	in.		
Carapace width (over curve)cm	in.		
Did turtle nest? YES NO UNDETERMINED (circle one)			
Additional remarks or data (use back if necessary)			

#### Organization Tagging:



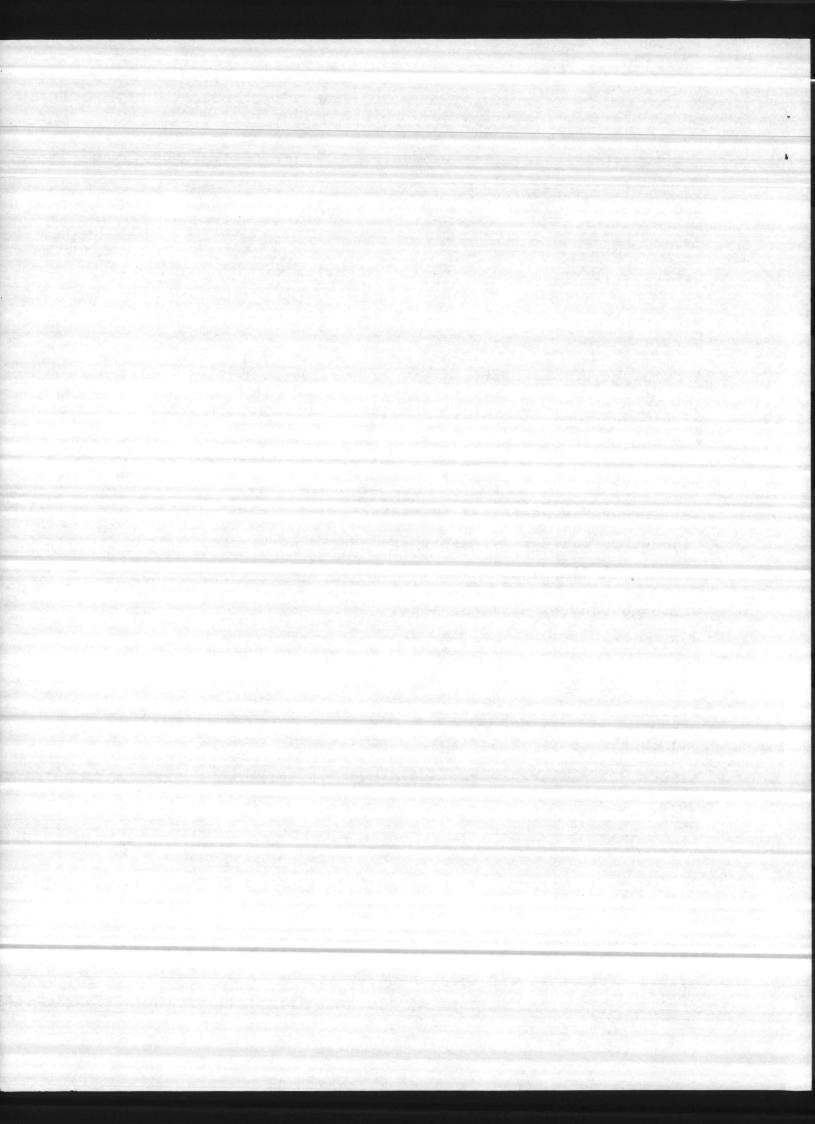
Tag Number(s) 171/172 Species	CC Date Enco	untered 7 <u>/26/86</u>	
(list all tag #'s and letters) AAR			
Describe location encountered: 2.	3 miles north of Ris	ley Pier	
Circle correct answer:			
"New" turtle (not carrying any tag	or tag scar)	YES NO	
If no, then circle correct categor	·y:		
(1) Recapture of same project turt	le (within season or	multi-annual)	
(2) Recapture of different project	turtle		
(3) Turtle has definite tag scars			
Tag return address (If other than NMFS Lab/Vir Key)			
Carapace length (straight line) _	82 cm	_in.	
Carapace width (straight line)	67 cm	_in.	
Carapace length (over curve)	90 cm	_ in.	
Carapace width (over curve)	86 cm	_ 1n.	
Did turtle nest? YES NO UNDE	TERMINED (circle one	e)	
Additional remarks or data (use ba	ack if necessary)		

### Organization Tagging:



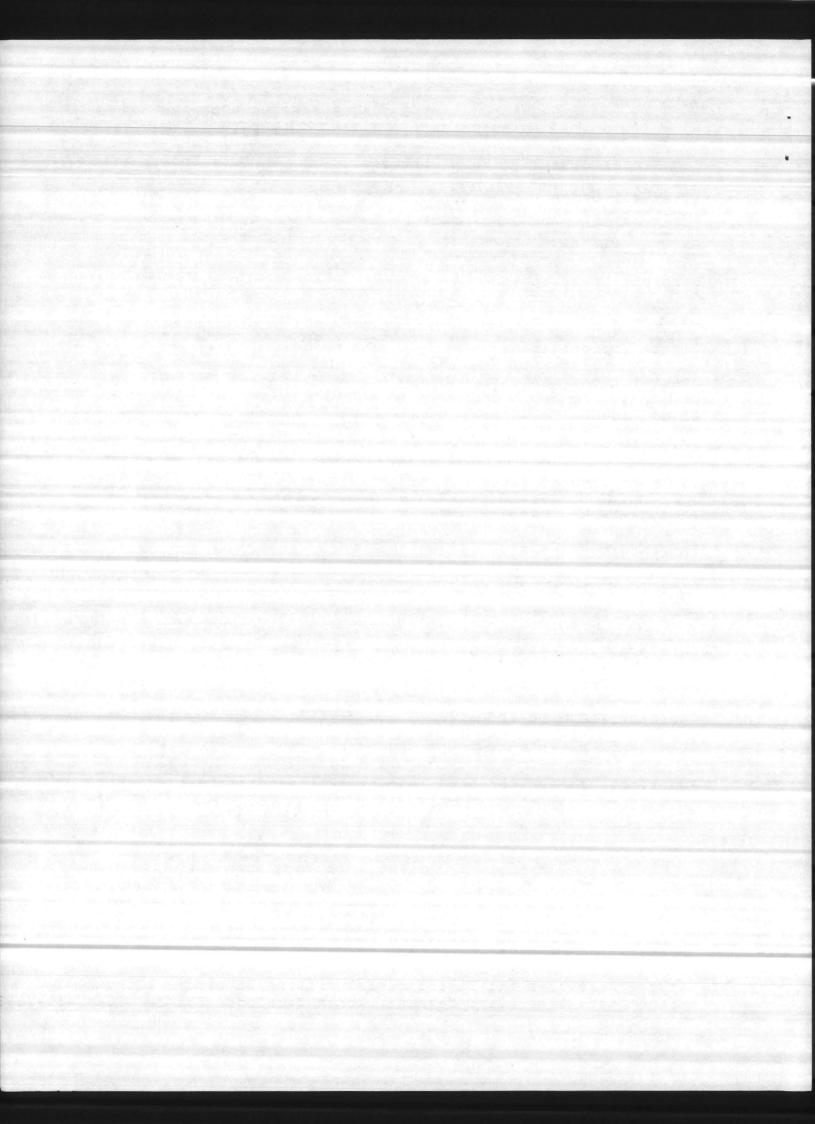
Tag Number(s) <u>187/188</u> Species	CC Date Encountered 7/26/86
(list all tag #'s and letters) AAR	
Describe location encountered: 2.1	l miles north of Risley Pier
Circle correct answer:	
"New" turtle (not carrying any tag	or tag scar) YES NO
If no, then circle correct categor	y:
(1) Recapture of same project turt	le (within season or multi-annual)
(2) Recapture of different project	turtle
(3) Turtle has definite tag scars	
Tag return address (If other than	NMFS Lab/Vir Key)
Carapace length (straight line)	cm in.
Carapace width (straight line)	cm in.
Carapace length (over curve)	97 cm in.
Carapace width (over curve)	95 cmin.
Did turtle nest? YES NO UNDET	TERMINED (circle one)
Additional remarks or data (use ba	ack if necessary) Turtle came ashore
scratched around for 20 min., didn	't lay, went back into water.

#### Organization Tagging:



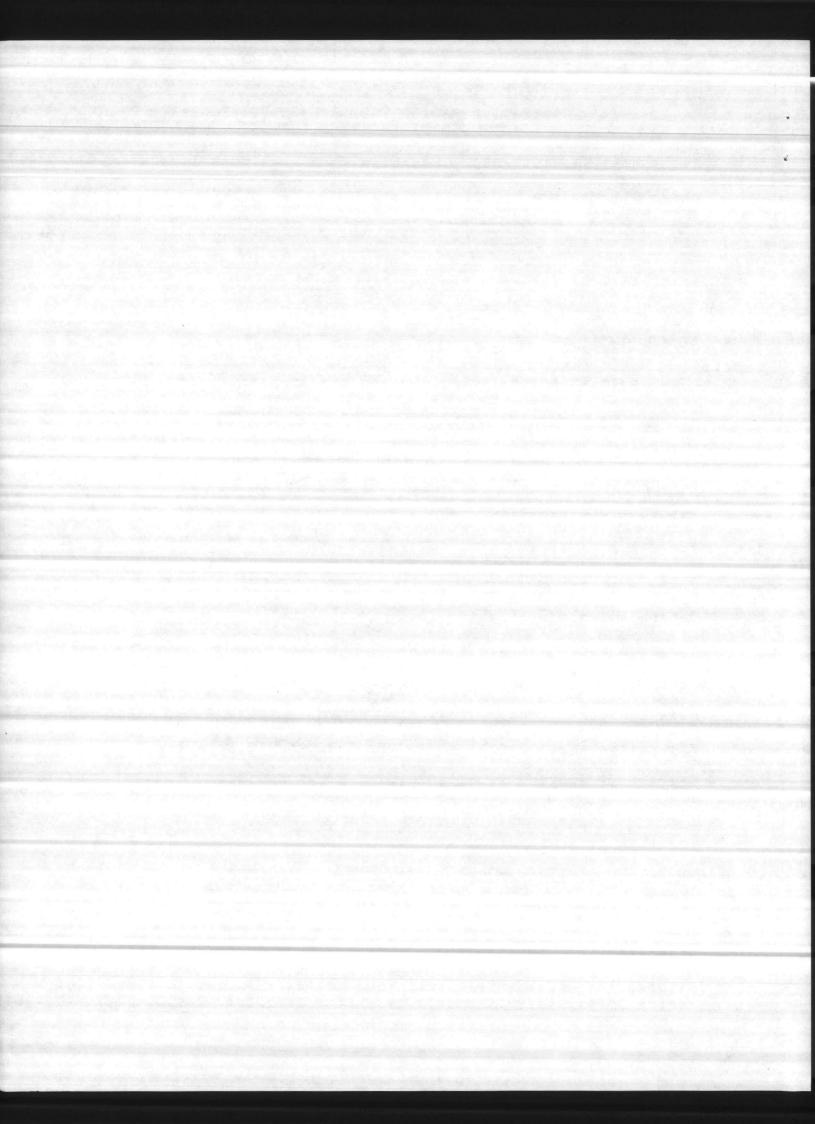
Tag Number(s) 189/190 Specie	s <u>CC</u>	Date Encount	ered 7/28/86
(list all tag #'s and letters) AAR			
Describe location encountered: 0	.8 miles sou	ith of Risley	Pier
Circle correct answer:		4.5	
"New" turtle (not carrying any ta	g or tag sc	ar) Yi	NO (83
If no, then circle correct catego	ry:		
(1) Recapture of same project tur	tle (within	season or mu	ulti-annual)
(2) Recapture of different projec	t turtle		
(3) Turtle has definite tag scars			
Tag return address (If other than	NMFS Lab/V	ir Key)	
Carapace length (straight line) _	93 cm	il	n.
Carapace width (straight line) _	79 cm	<u> </u>	n.
Carapace length (over curve)	98 cm	i	n.
Carapace width (over curve)	83 cm	2	n.
Did turtle nest? YES NO UNDE	TERMINED (	circle one)	1
Additional remarks or data (use b	ack if nece	ssary) Turt	le laid facing
the water. Moved nest to 0.6 mile	es north of	Risley Pier.	

#### Organization Tagging:



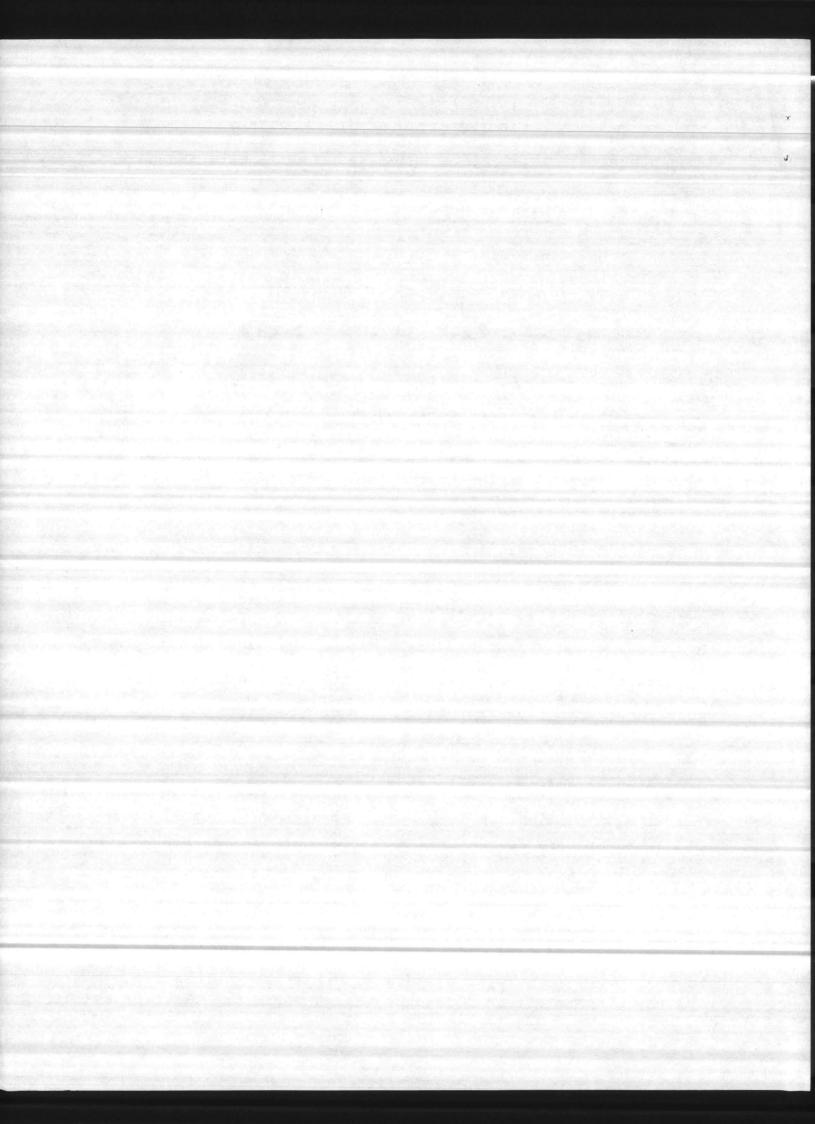
Tag Number(s) 059/060 Specie	es CC	_ Date	Encountered 7/29/86	
(list all tag #'s and letters) AAR				
Describe location encountered: 2	.l miles	north of	Risley Pier	
Circle correct answer:				
"New" turtle (not carrying any ta	ag or tag	scar)	YES NO	
If no, then circle correct categor	ory:			
(1) Recapture of same project tur	ctle (with	nin seas	on or multi-annual)	
(2) Recapture of different project	ct turtle			
(3) Turtle has definite tag scars	5			
Tag return address (If other than NMFS Lab/Vir Key)				
Carapace length (straight line)	91 c	m	in.	
Carapace width (straight line)	75 cı	m	in.	
Carapace length (over curve)	102 c	m	in.	
Carapace width (over curve)	95 c	m	in.	
Did turtle nest? YES NO UNDETERMINED (circle one)				
Additional remarks or data (use )	back if n	ecessary	Relocated up in	
dunes 2.1 miles north of Risley	Pier. Lai	id 135 eg	gs.	

### Organization Tagging:



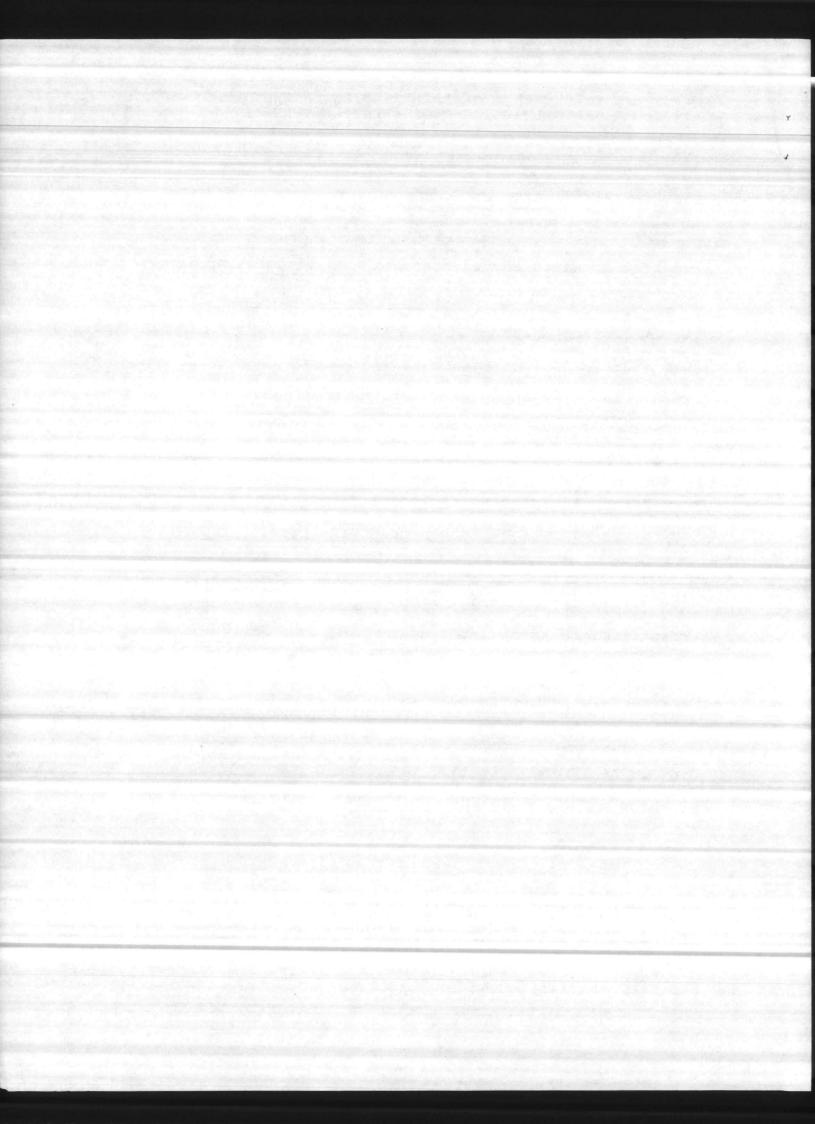
Tag Number(s) 191/192 Species CC	Date Encountered8/02/86
(list all tag #'s and letters) AAR	
Describe location encountered: 1.7 miles	south of Risley Pier
Circle correct answer:	
"New" turtle (not carrying any tag or tag	g scar) YES NO
If no, then circle correct category:	
(1) Recapture of same project turtle (with	thin season or multi-annual)
(2) Recapture of different project turtle	
(3) Turtle has definite tag scars	
Tag return address (If other than NMFS La	ab/Vir Key)
Carapace length (straight line)	omin.
Carapace width (straight line)	in.
Carapace length (over curve) 107	cmin.:
Carapace width (over curve) 92	cmin.
Did turtle nest? YES NO UNDETERMINE	D (circle one)
Additional remarks or data (use back if	necessary) Acted as if going
to lay but just quit and went back to the	water. This turtle probably
made one or more of the crawls reported o	n same date.

### Organization Tagging:



Tag Number(s) 177/178 Speci	es <u>CC</u>	Date Encounter	ed8/09/86
(list all tag #'s and letters) AAR			
Describe location encountered:	1.5 miles no	rth of Risley Pi	.er
Circle correct answer:		•	
"New" turtle (not carrying any t	ag or tag sc	ar) YES	NO
If no, then circle correct categ	gory:		
(1) Recapture of same project to	irtle (within	season or mult	i-annual)
(2) Recapture of different projection	ect turtle		
(3) Turtle has definite tag scar	s		
Tag return address (If other than	an NMFS Lab/V	'ir Key)	
Carapace length (straight line)	90 cm	1n:	
Carapace width (straight line)	cm	in.	
Carapace length (over curve)	97 cm	in.	
Carapace width (over curve)	88 cm	in.	
Did turtle nest? YES NO UNI	DETERMINED (	circle one)	
Additional remarks or data (use	back if nece	essary) Moved	nest 25 ft.
into the dunes.			

#### Organization Tagging:



Tag Number(s)	194/195 Specie	s CC	_ Date	Encountered 8/04/86
(list all tag and letters)	t's AAR			
Describe locat	ion encountered: 0	.7 miles	north of	Risley Pier
Circle correct	answer:			
"New" turtle (	not carrying any ta	g or tag	scar)	YES NO
If no, then ci	rcle correct catego	ory:		
(1) Recapture	of same project tur	tle (wit	hin seas	on or multi-annual)
	of different project			
(3) Turtle has	definite tag scar	S		
Tag return add	dress (If other tha	n NMFS La	ab/Vir Ke	у)
			And the second s	
Carapace lengt	th (straight line)		cm	in.
Carapace width	n (straight line)	66	cm	in.
Carapace leng	th (over curve)	97	cm	in.
	h (over curve)	87	cm	in.
Did turtle ne	st? YES NO UNI	ETERMINE	D (circ	le one)
	marks or data (use	back if	necessar	y) Moved nest to 0.6
miles north	of Risley Pier.			

### Organization Tagging:

