

SEA TURTLE INVENTORY

for

SUMMER AND FALL 1987

NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION

ASSISTANT CHIEF OF STAFF, FACILITIES

MARINE CORPS BASE

CAMP LEJEUNE, NORTH CAROLINA 28542

JULIAN I. WOOTEN
DIRECTOR

ALBERT C. HENRY, JR.
WILDLIFE BIOLOGIST

CHARLES D. PETERSON
SUPERVISORY WILDLIFE
MANAGER

GERALD MONAHAN
DANNY JONES
WILDLIFE TECHNICIANS

DR. FRANK B. SCHWARTZ
ADVISOR, INSTITUTE OF
MARINE SCIENCE
MOREHEAD CITY, NORTH CAROLINA

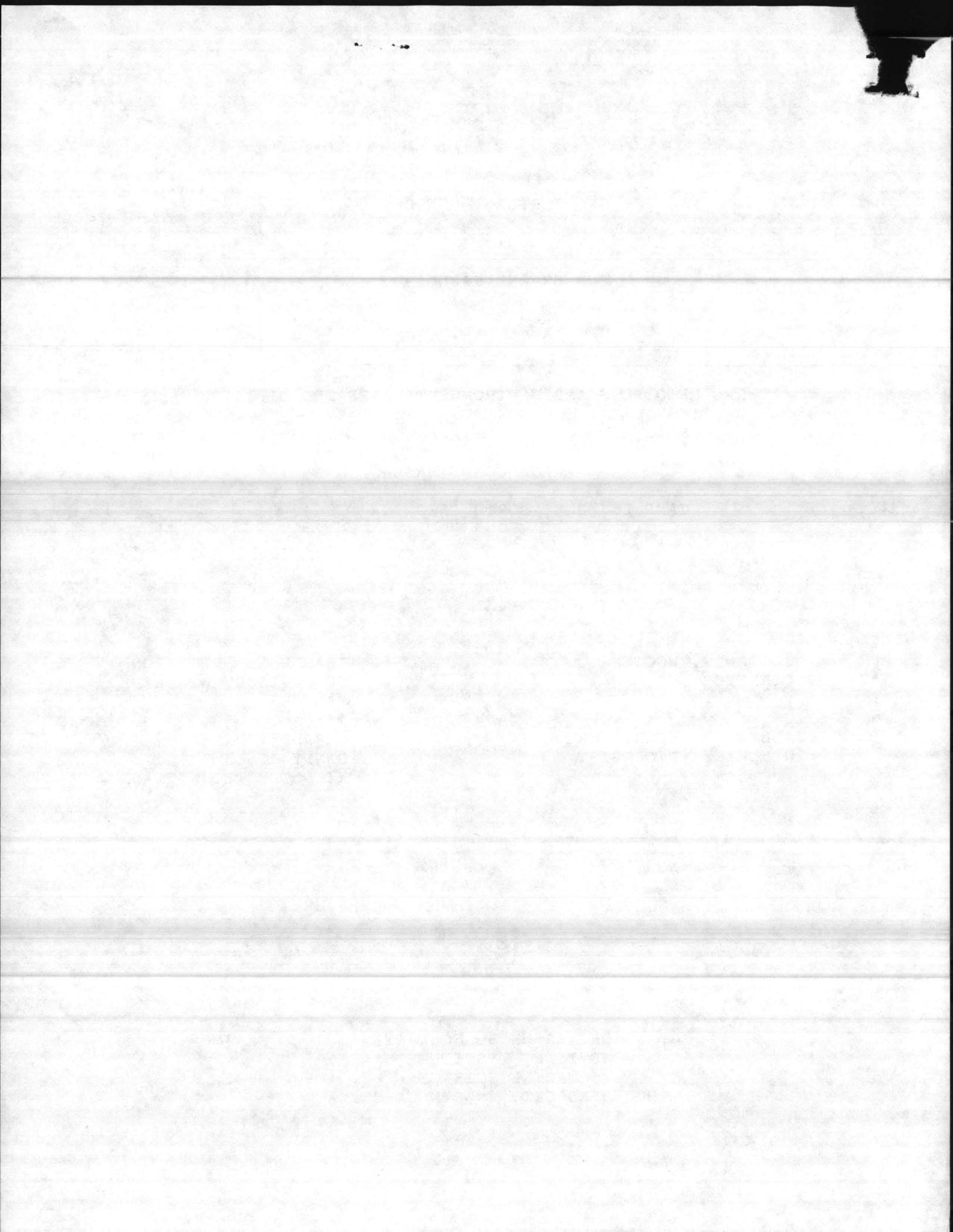


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INTRODUCTION

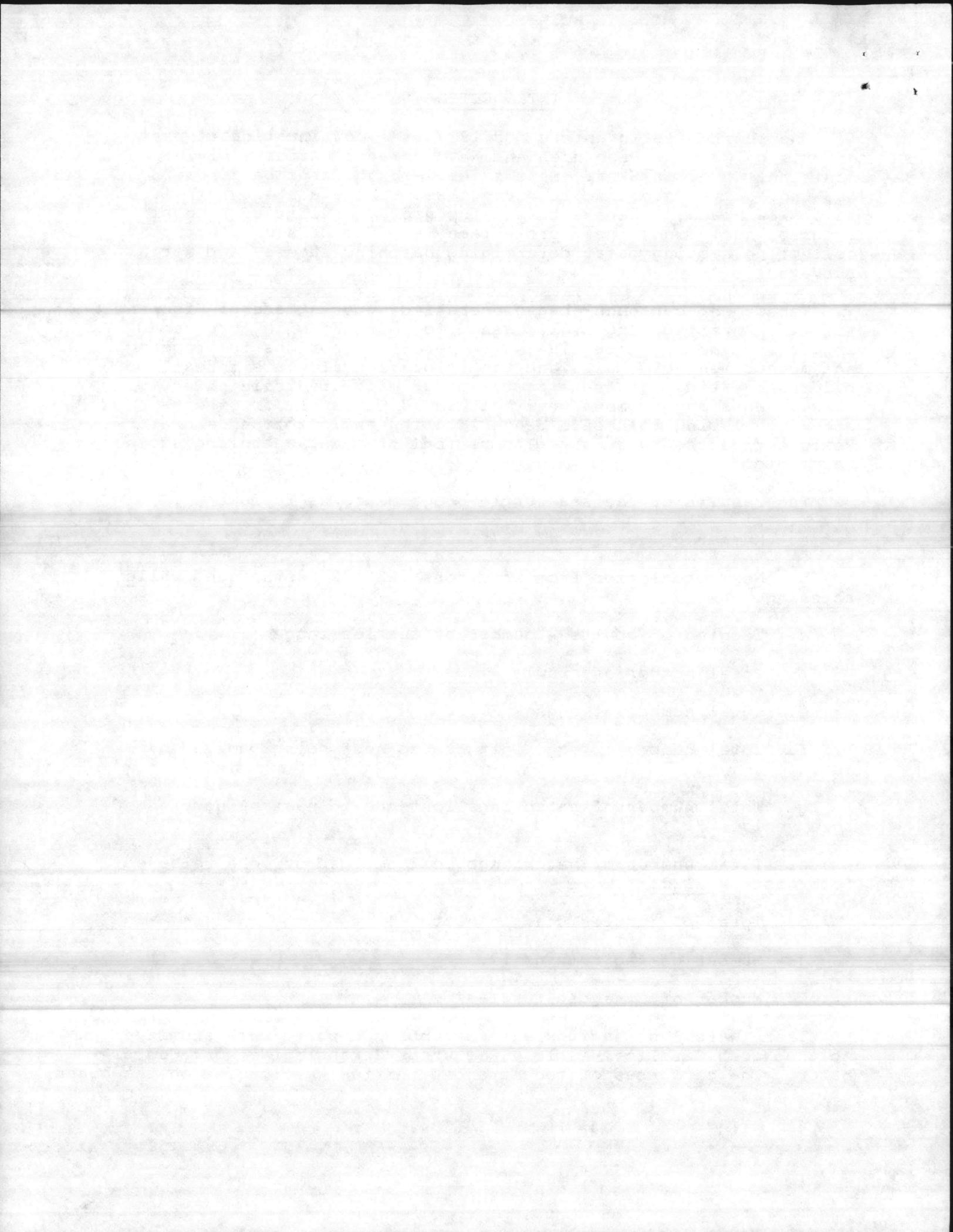
The sea turtle inventory for 1987 is a continuation of past efforts by Natural Resources and Environmental Affairs Division, Assistant Chief of Staff, Facilities, Marine Corps Base, Camp Lejeune, North Carolina, to protect sea turtle nesting activities at Onslow Beach. The sea turtle inventory consists 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, or 15 days after 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. Number of nests 24.
- b. Nest protection from predators, 22 - 2 nests found while hatching.
- c. Tagging of adults - number of turtles tagged 11.
- d. Total number of crawls - 125.
- e. Total number of eggs - 2979.
- f. Total number of eggs lost due to nest being damaged by vehicle 25.
- g. Total number of hatchlings lost due to nest being damaged by a vehicle 3.
- h. Total number of hatchlings that emerged or were released from nests - 2128.
- i. Total of turtles dead in nest 144.
- j. Number of tag returns 17.
- k. Number of stranded turtles 5.

There were 5 strandings and stranding reports were submitted to the North Carolina Wildlife Resources Stranding Network Coordinator. The carcasses of the stranded turtles were buried on the beach.



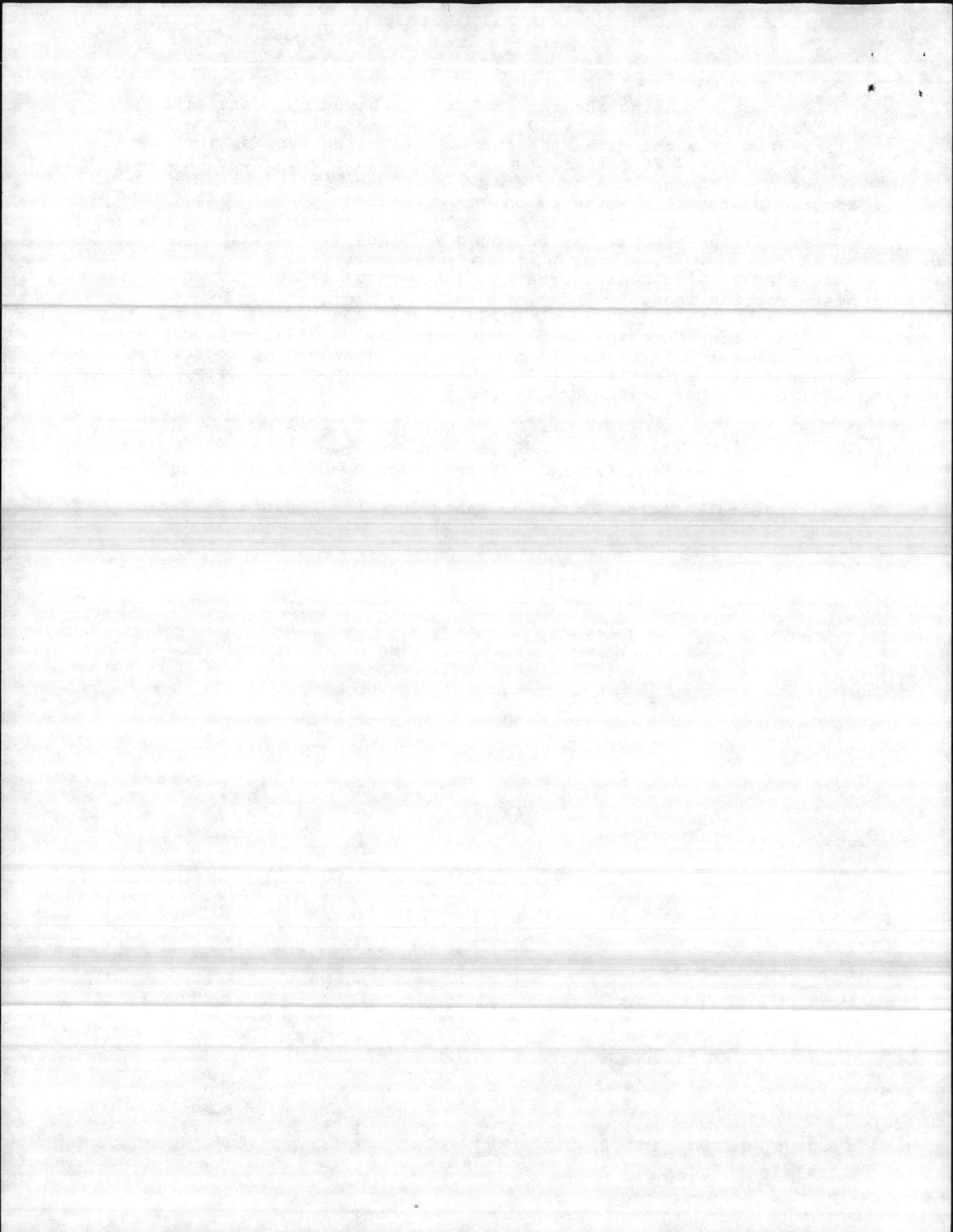
Percent hatchling success is 71%. If however, nests #118 and #123, with a total of 279 eggs and 0% hatchling success, are eliminated from the data, the overall hatchling success increases to 79%. These were late nests and the cooler temperature hindered embryo development. The enclosed map on page 15 indicates locations of turtle activity on Onslow Beach.

Aerial survey data may be found on pages 14a - 14i.

Pages 9a - 9b contain the hatchling results of individual nests for the season.

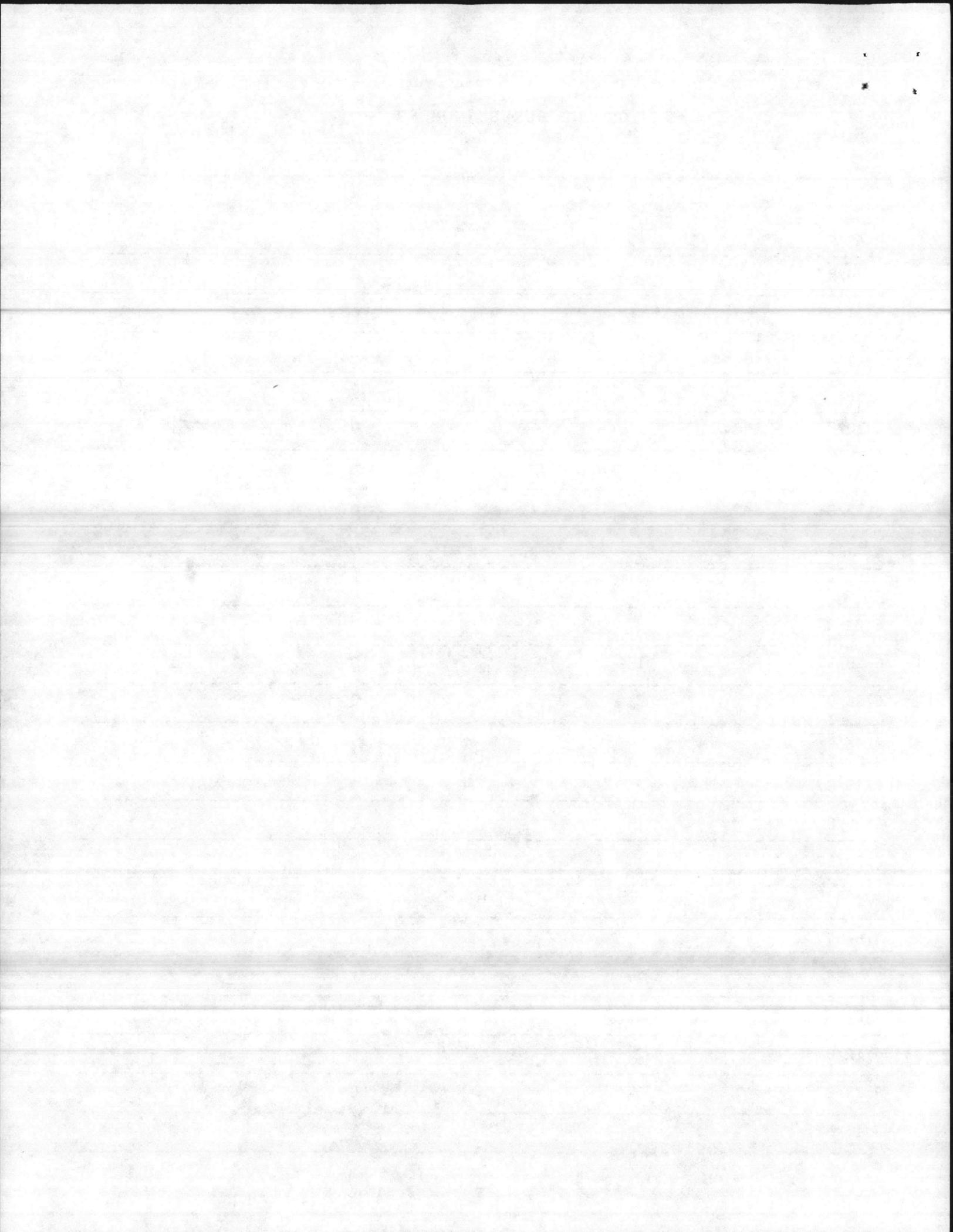
The Marine Corps Base, Camp Lejeune and Natural Resources and Environmental Affairs Division give special thanks to Doctor F. J. Schwartz at the Institute of Marine Science, Morehead City, North Carolina for his advice and services.

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).



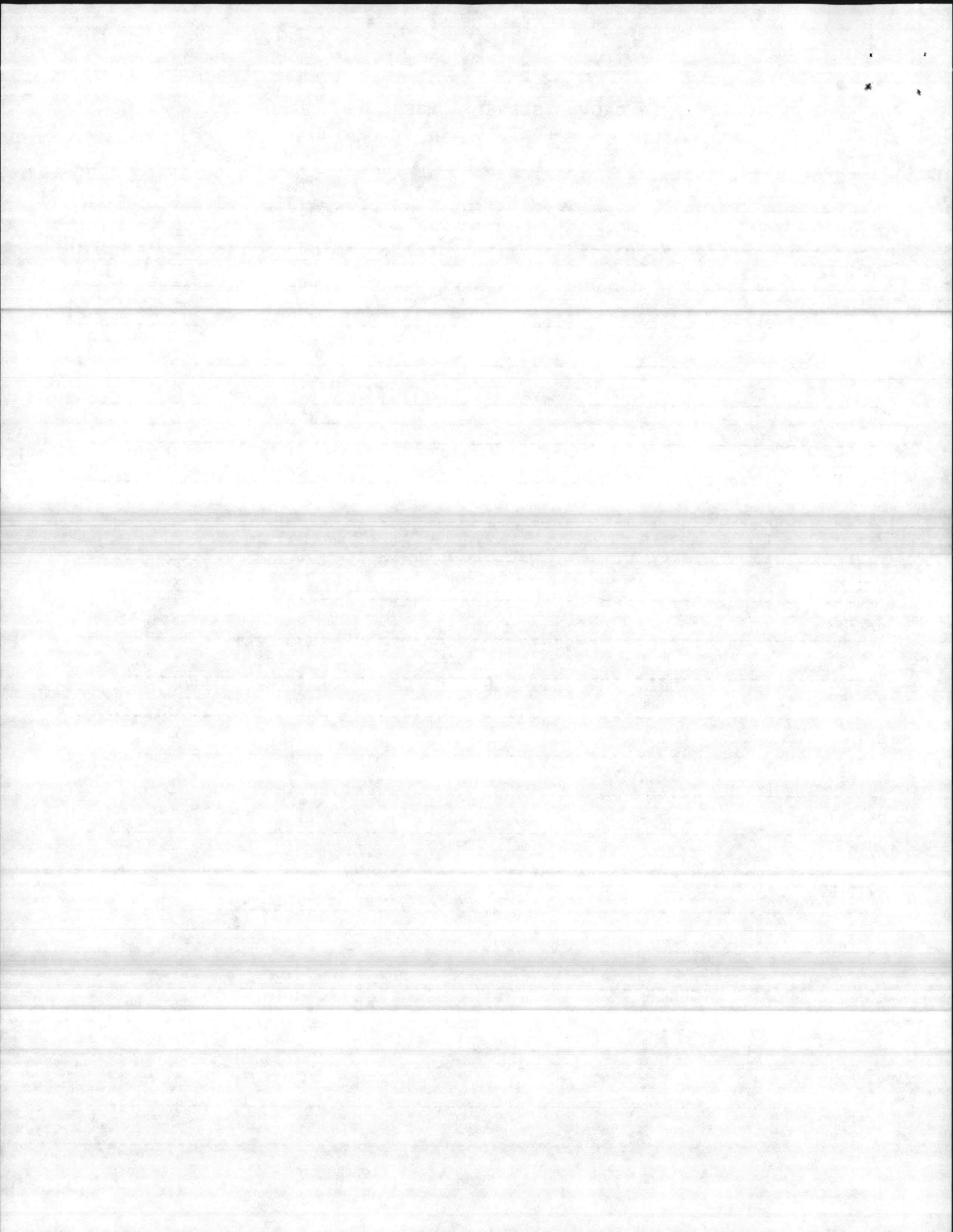
GROUND SURVEY NUMBER

Date	Crawl/No Nest	Crawl/Nest	Total
5/22/87	1	0	1
5/26/87	1	0	1
5/30/87	3	0	3
5/31/87	4	0	4
6/5/87	4	1	5
6/8/87	2	0	2
6/10/87	1	0	1
6/11/87	1	0	1
6/12/87	1	0	1
6/17/87	3	0	3
6/18/87	1	0	1
6/23/87	3	0	3
6/25/87	1	0	1
6/26/87	3	0	3
6/27/87	1	0	1
6/28/87	2	0	2
6/29/87	1	1	2
6/30/87	1	0	1
7/2/87	2	0	2
7/6/87	2	0	2
7/7/87	1	1	2
7/8/87	0	2	2
7/12/87	2	0	2
7/13/87	3	0	3
7/15/87	2	1	3



GROUND SURVEY NUMBER

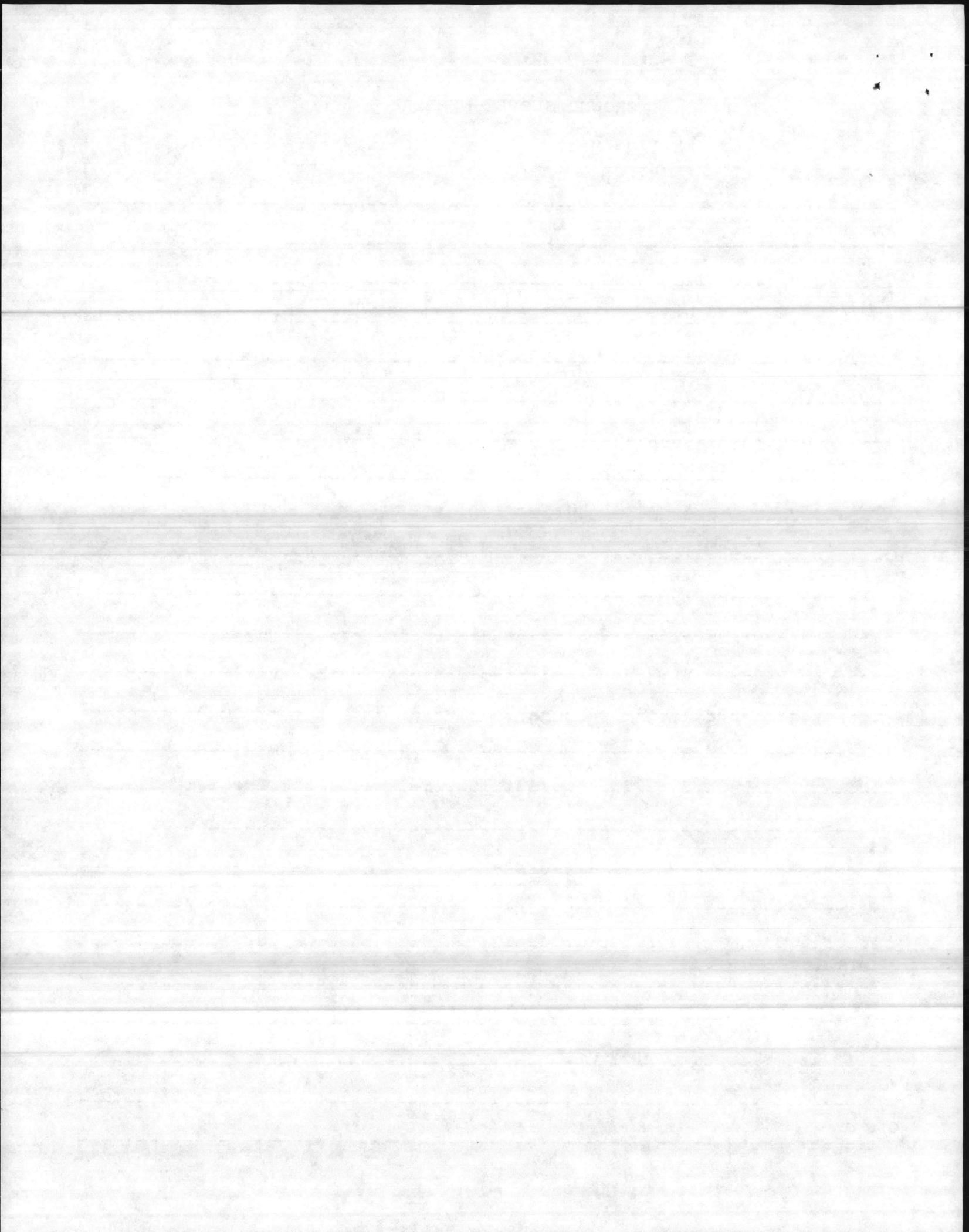
Date	Crawl/No Nest	Crawl/Nest	Total
7/16/87	2	0	2
7/18/87	1	0	1
7/20/87	2	0	2
7/21/87	0	1	1
7/24/87	0	1	1
7/26/87	3	1	4
7/27/87	8	1	9
7/28/87	3	1	4
7/29/87	0	1	1
7/30/87	4	0	4
7/31/87	4	1	5
8/1/87	0	2	2
8/5/87	1	0	1
8/6/87	1	1	2
8/7/87	1	0	1
8/8/87	4	0	4
8/9/87	4	2	6
8/10/87	1	0	1
8/11/87	5	1	6
8/12/87	5	0	5
8/13/87	0	1	1
8/15/87	1	0	1
8/17/87	1	0	1
8/20/87	0	1	1
8/22/87	2	0	2



GROUND SURVEY NUMBER

Date	Crawl/No Nest	Crawl/Nest	Total
8/24/87	0	1	1
8/25/87	1	0	1
8/27/87	0	1	1
*7/11/87	1	0	1

* LATE ENTRY



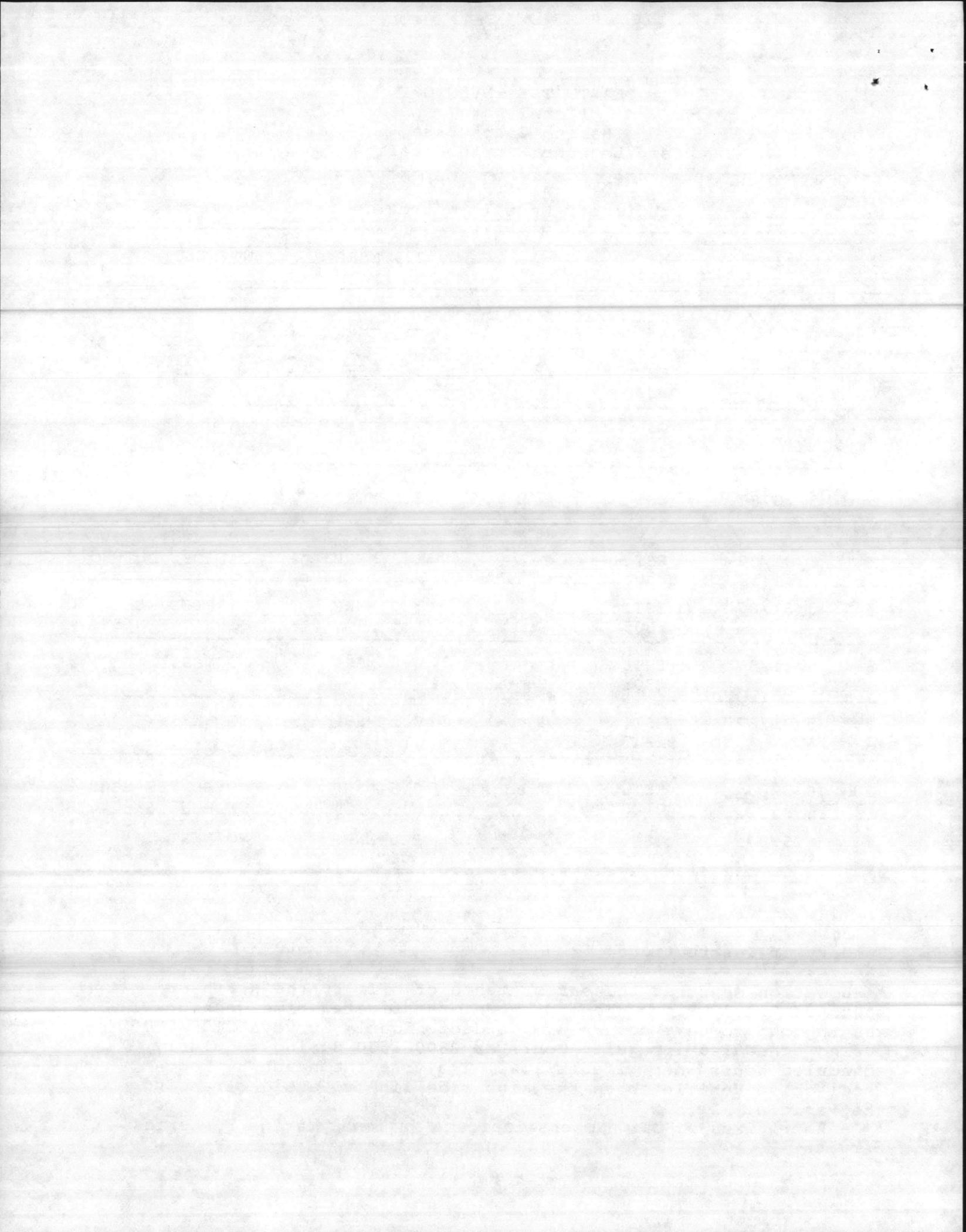
SEA-TURTLE INVENTORY
(Crawl Data)
Marine Corps Base
Camp Lejeune, North Carolina

Crawl No.	Date	Time Crawl Occurred	Active Nest ()	Location *	Comments**
1	5/22/87	EST. 0322		2.9 MSRP	NO NEST
2	5/26/87	EST. 0600		2.7 MSRP	STARTED NEST BUT DIDN'T FINISH NO EGGS
3	5/30/87	EST. 2220		3.1 MSRP	NO NEST
4	5/30/87	EST. 2220		3.0 MSRP	NO NEST
5	5/30/87	EST. 2220		2.5 MSRP	DUG NEST AND EGG CAVITY, BUT NO EGGS
6	5/31/87	EST. 2305		1.2 MSRP	DUG NEST AND EGG CAVITY, BUT NO EGGS
7	5/31/87	EST. 2305		1.0 MSRP	STARTED NEST, BUT DIDN'T FINISH
8	5/31/87	EST. 2305		0.6 MSRP	NO NEST
9	5/31/87	EST. 2345		0.1 MSRP	NO NEST
10	6/5/87	EST. 0126	140 eggs	0.6 MNRP	TWO EGGS BROKEN - MOVED 138 EGGS UP ON DUNE AT 0.6 MNRP
11	6/5/87	EST. 0126		2.0 MNRP	NO NEST

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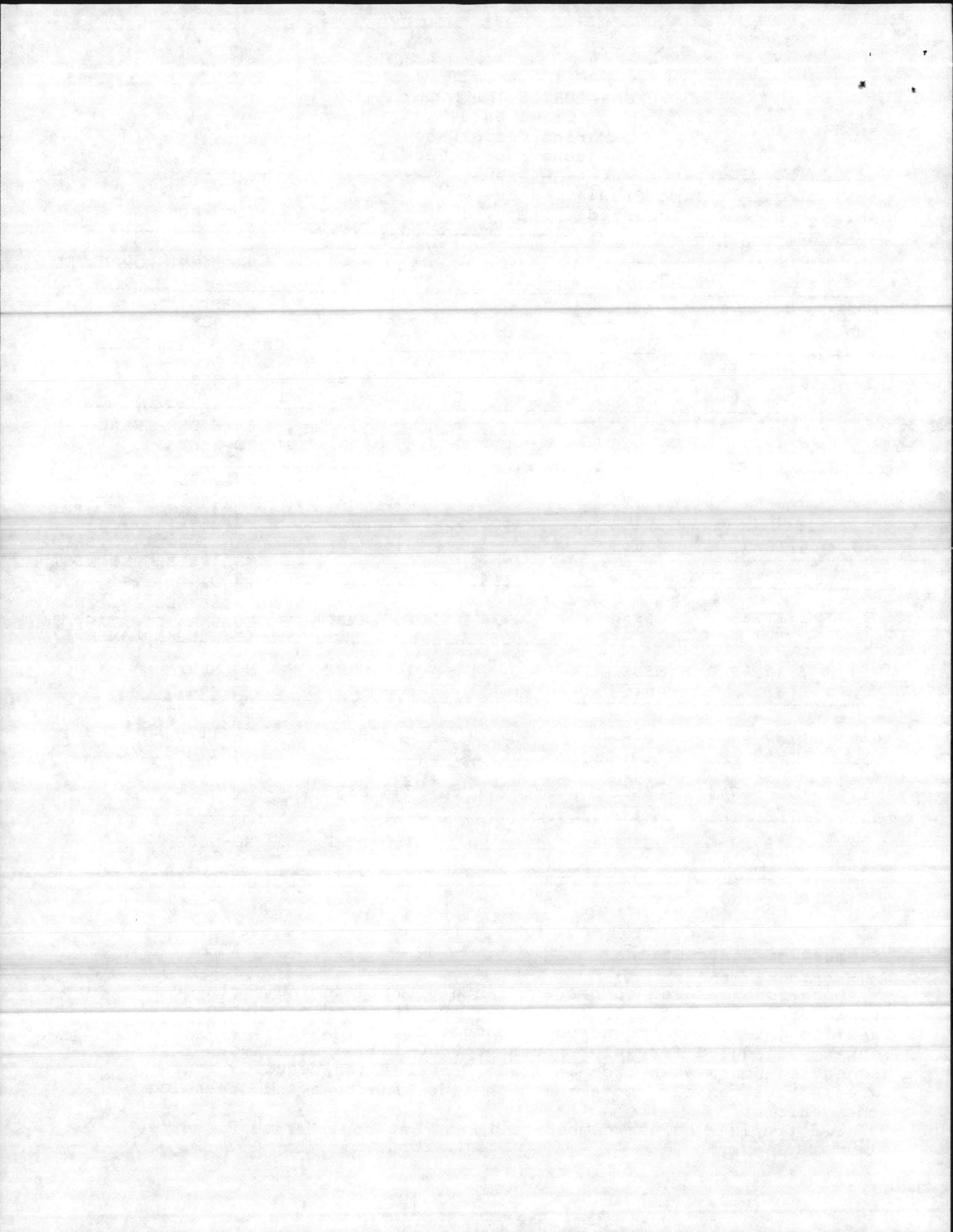
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Crawl No.	Date	Time Crawl Occurred	Active Nest ()	Location *	Comments**
12	6/5/87	EST. 0222		2.7 MSRP	NEST NOT COMPLETED
13	6/5/87	EST. 0222		2.0 MNRP	NO NEST
14	6/5/87	EST. 0222		2.2 MNRP	NO NEST
15	6/8/87	EST. 0409		1.0 MNRP	EXTENDED CRAWL NO NEST
16	6/8/87	EST. 0409		2.0 MNRP	EXTENDED CRAWL BELOW THE DUNE NO NEST
17	6/10/87	0012		3.6 MSRP	SAW TURTLE ENTERING THE WATER, NO NEST
18	6/11/87	2328		1.9 MNRP	TURTLE DISTURBED WHILE NESTING, NO EGGS LAID. TAG# 817 IMS, MOREHEAD CITY
19	6/17/87	EST. 0157		1.8 MNRP	NO NEST
20	6/17/87	0345		2.6 MSRP	DUG NEST AND EGG CAVITY, NO EGGS TAG: MES, MIAMI FL.
21	6/17/87	EST. 0350		2.8 MSRP	NO NEST
22	6/18/87	EST. 0355		1.2 MSRP	NO NEST

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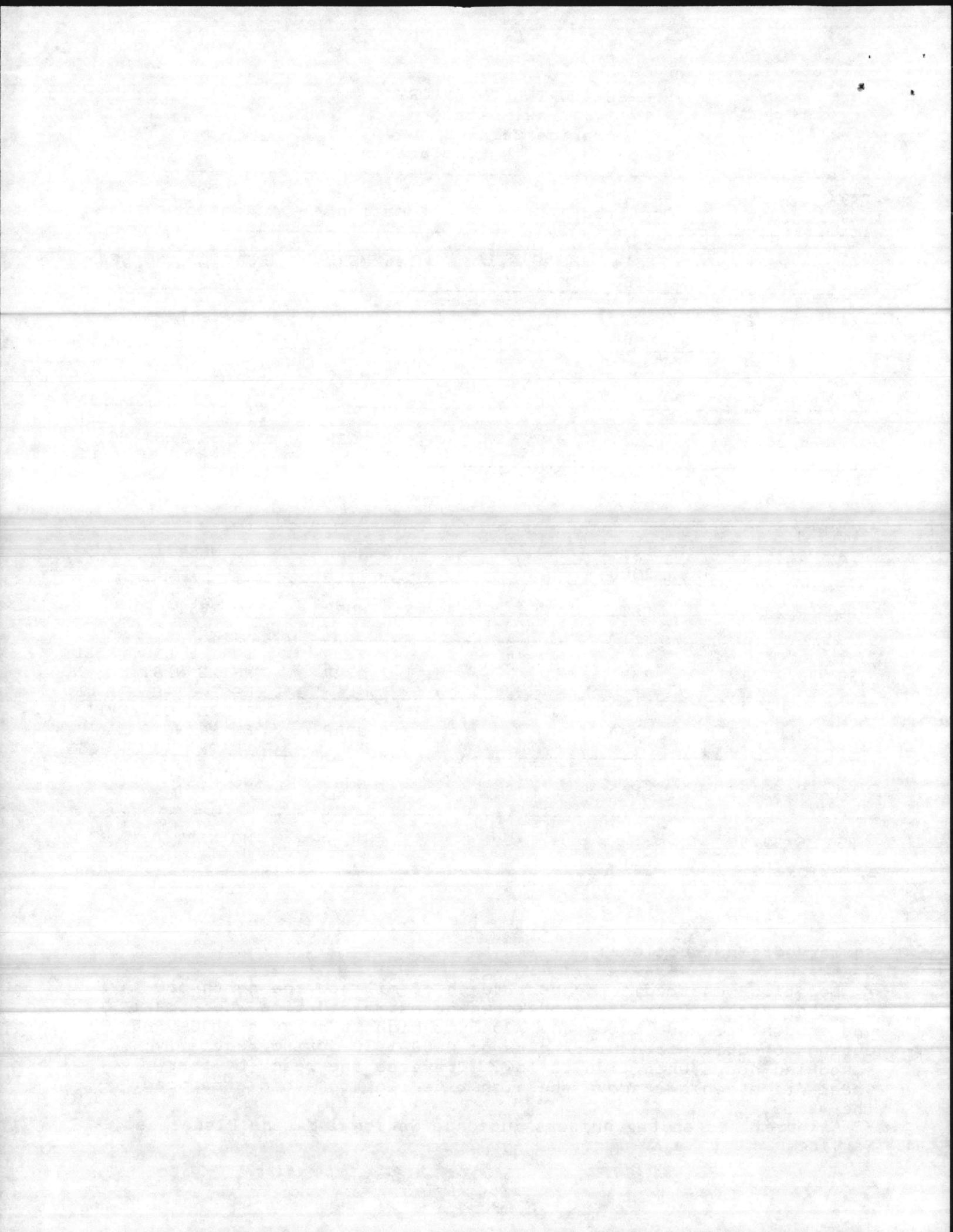
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Crawl No.	Date	Time Crawl Occurred	Active Nest ()	Location *	Comments **
23	6/23/87	EST. 0130		1.6 MSRP	DUG NEST AND EGG CAVITY, NO EGGS LAID
24	6/23/87	EST. 0400		3.4 MGRP	NO NEST
25	6/23/87	EST. 0400		3.5 MGRP	NO NEST
26	6/25/87	EST. 2233		1.8 MGRP	TURTLE DISTURBED WHILE NESTING, NO EGGS, TAG AAR-071
27	6/26/87	EST. 2100		1 MSRP	NO NEST
28	6/26/87	EST. 2300		2.4 MGRP	NO NEST
29	6/26/87	EST. 2300		2.9 MGRP	NO NEST
30	6/27/87	2321		1.2 MSRP	TURTLE DISTURBED WHILE NESTING, NO EGGS, TAG AAR 196/197
31	6/28/87	0440		3.8 MSRP	TURTLE OBSERVED ENTERING OCEAN NO NEST, TAG AAR-198
32	6/28/87	EST. 2340		3.4 MGRP	NO NEST
33	6/29/87	EST. 2300		3.4 MGRP	NO NEST

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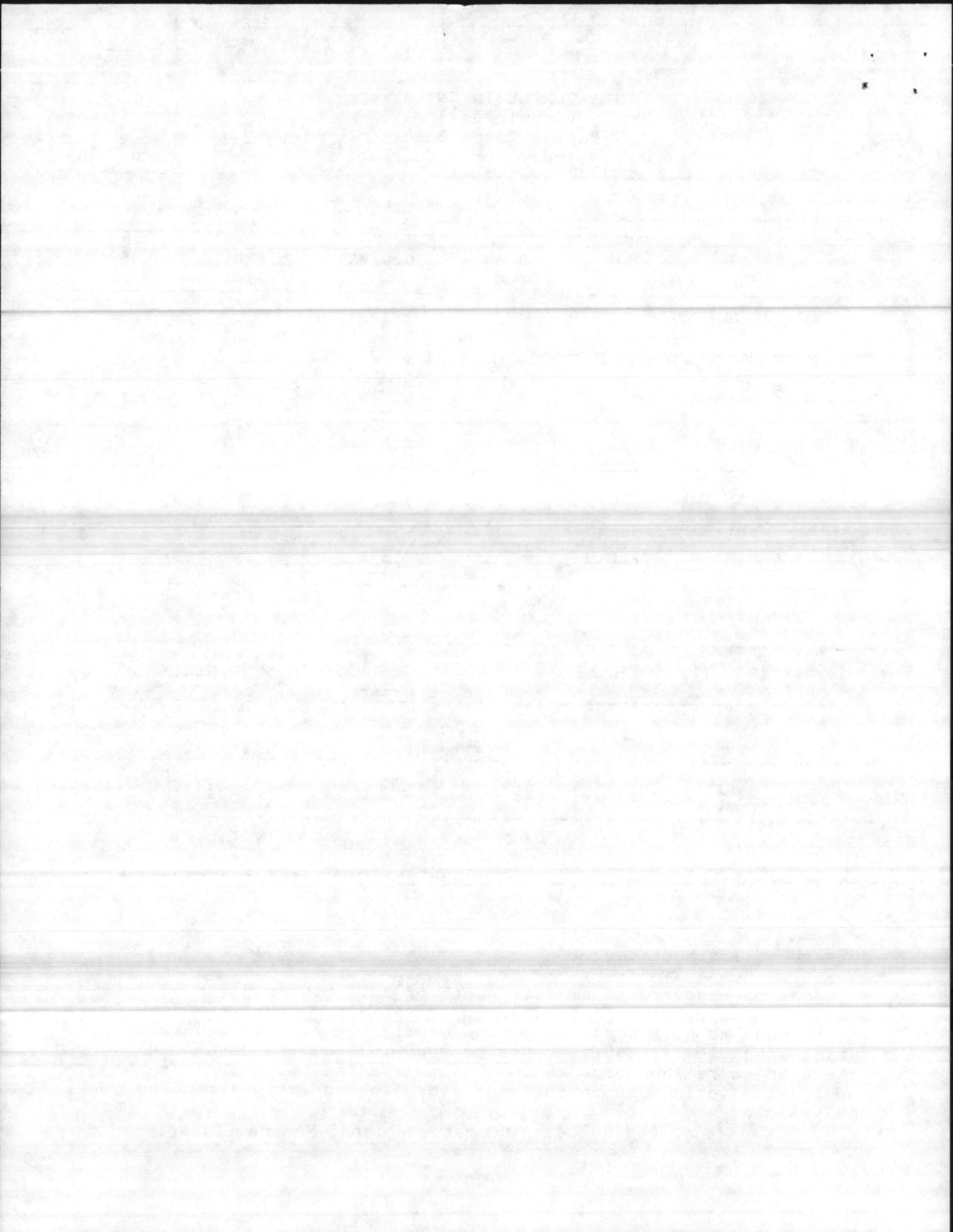
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Camp Lejeune, North Carolina

Crawl No.	Date	Time Crawl Occurred	Active Nest ()	Location *	Comments **
34	6/29/87	2350	128 eggs	0.8 MNRP	MOVED TO 0.5 MNRP TAG AAR-199/200
35	6/30/87	EST. 0130		2.5 MNRP	NO NEST
36	7/2/87	EST. 0030		2.5 MSRP	DUG NEST AND EGG CAVITY, NO EGGS
37	7/2/87	0045		2.6 MSRP	TURTLE OBSERVED ENTERING OCEAN, NO NEST, TAG AAR-119/ TAG SCAR ON LEI FLIPPI
38	7/6/87	0250		1.0 MSRP	NO NEST, TAG AAR-105, REPLACED MISSING TAG WITH AAR-201
39	7/6/87	2210		0.5 MSRP	NO NEST
40	7/7/87	0003	120 eggs	.35 MSRP	MOVED TO 2.1 MSRP TAG #AAR-202/203
41	7/7/87	0120		2.6 MSRP	NO NEST
42	7/8/87	0110	138 eggs	2.1 MNRP	MOVED UP ON DUNE AT 2.1 MNRP. SAME TURTLE AS CRAWL #38.
43	7/8/87	0130	188 eggs	2.0 MSRP	GREEN TURTLE, NO TAGS, ADD AAR-204/205 RELOCATE TO 2.1 MNRP
44	7/11/87	EST. 0400		2.7 MNRP	CRAWL

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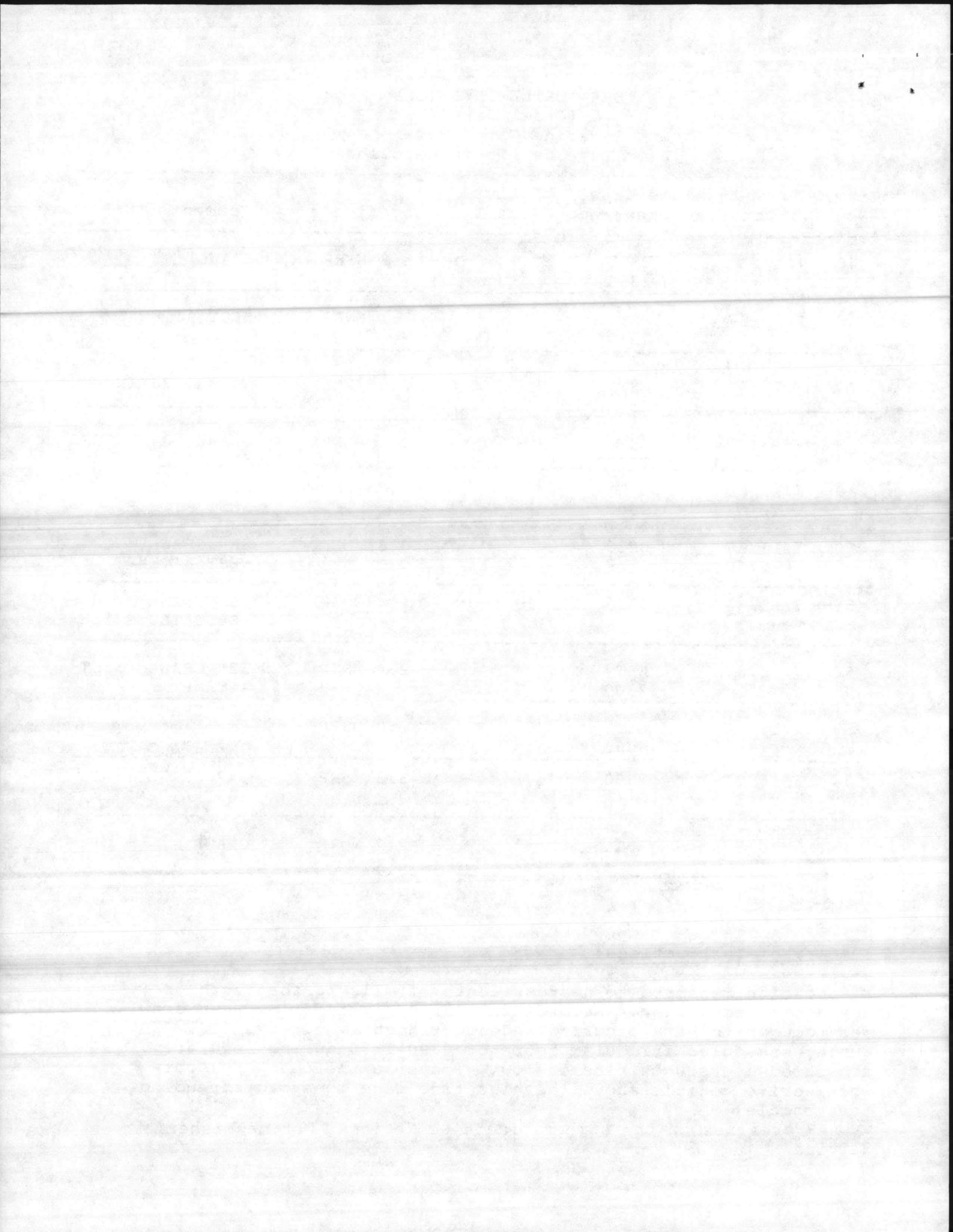
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Crawl No.	Date	Time Crawl Occurred	Active Nest ()	Location *	Comments **
45	7/12/87	EST. 2350		1.3 MSRP	CRAWL
46	7/12/87	EST. 2350		3.1 MNRP	NEST ATTEMPT
47	7/13/87	EST. 2200		0.55 MNRP	CRAWL, 38 INCHES
48	7/13/87	EST. 2230		0.55 MNRP	CRAWL, 34 INCHES 25' FROM FC 47
49	7/13/87	EST. 2300		1.75 MNRP	34" CRAWL, TWO NEST ATTEMPTS
50	7/15/87	0239		0.85 MSRP	36" CRAWL, NO NEST ATTEMPT
51	7/15/87	0325	139 eggs	1.45 MSRP	36" CRAWL, RELOCATED 2.1 MNRP
52	7/15/87	EST. 2300		2.4 MNRP	32" CRAWL, NEST ATTEMPT
53	7/16/87	EST. 0005		2.0 MSRP	36" CRAWL, TWO NEST ATTEMPTS, ONE EGG CAVITY
54	7/16/87	2300		3.3 MSRP	34" CRAWL, TWO NEST ATTEMPTS
55	7/18/87	EST.		2.7 MNRP	CRAWL

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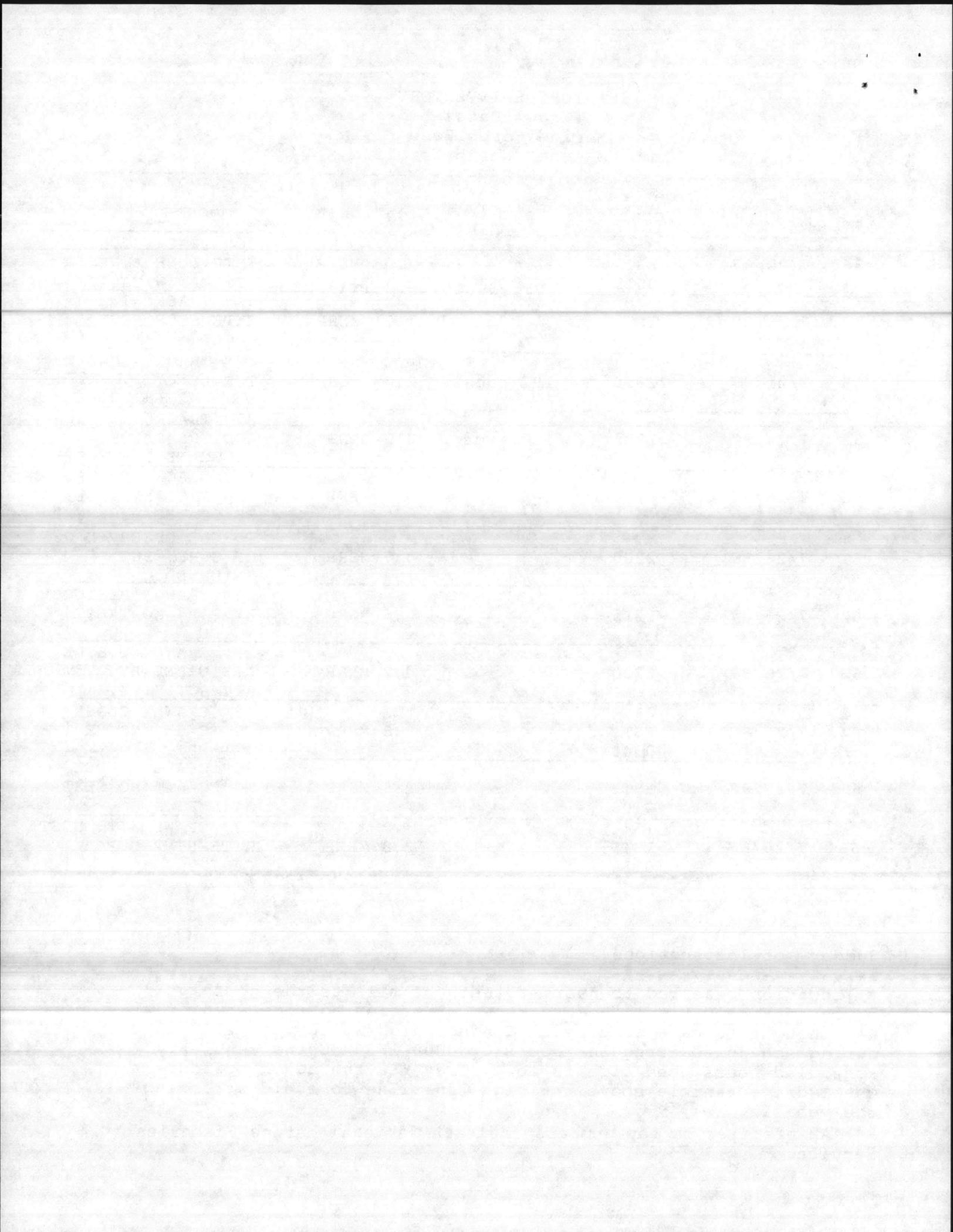
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Crawl No.	Date	Time Crawl Occurred	Active Nest ()	Location *	Comments **
56	7/20/87	EST. 0015		2.05 MSRP	36" TRACK HIGH INTP DUNE. NEST ATTEMPT W/CAVITY
57	7/20/87	EST. 0320		3.01 MNRP	34" TRACK WITH EXTENSIVE NEST DIGGING
58	7/21/87	2350	192 eggs	2.05 MSRP	42" TRACK - GREEN TURTLE TAGGED WITH AAR 207/208 RELOCATE 2.1M
59	7/24/87	2255	120 eggs	0.1 MNRP	35" TRACK, NO TAGS ADD 206 & 209 RELOCATE 1.8 MNRP
60	7/26/87	0130	146 eggs	0.6 MSRP	36" TRACK, NO TAGS ADD AAR 211 & 212 RELOCATED 1.8 MNRP
61	7/26/87	2200		0.7 MSRP	TURTLE OBSERVED OUT OF SURF, BUT RETURNED.
62	7/26/87	2215		0.6 MSRP	33" CRAWL, DISTURBED BY POV, NO TAGS NOTED.
63	7/26/87	2230		0.2 MNRP	33" CRAWL, TURTLE DISTURBED BY EXTENSIVE ATV ACTIVITY.
64	7/27/87	EST. 0100		2.8 MSRP	33" CRAWL, CLOSE TO FC-65, NO NEST ATTEMPT.
65	7/27/87	EST. 0100		2.8 MSRP	30" CRAWL, CLOSE TO FC-64, NO NEST ATTEMPT.
66	7/27/87	EST. 0130		2.8 MSRP	33" CRAWL WITH NEST ATTEMPT AND 14" CAVITY

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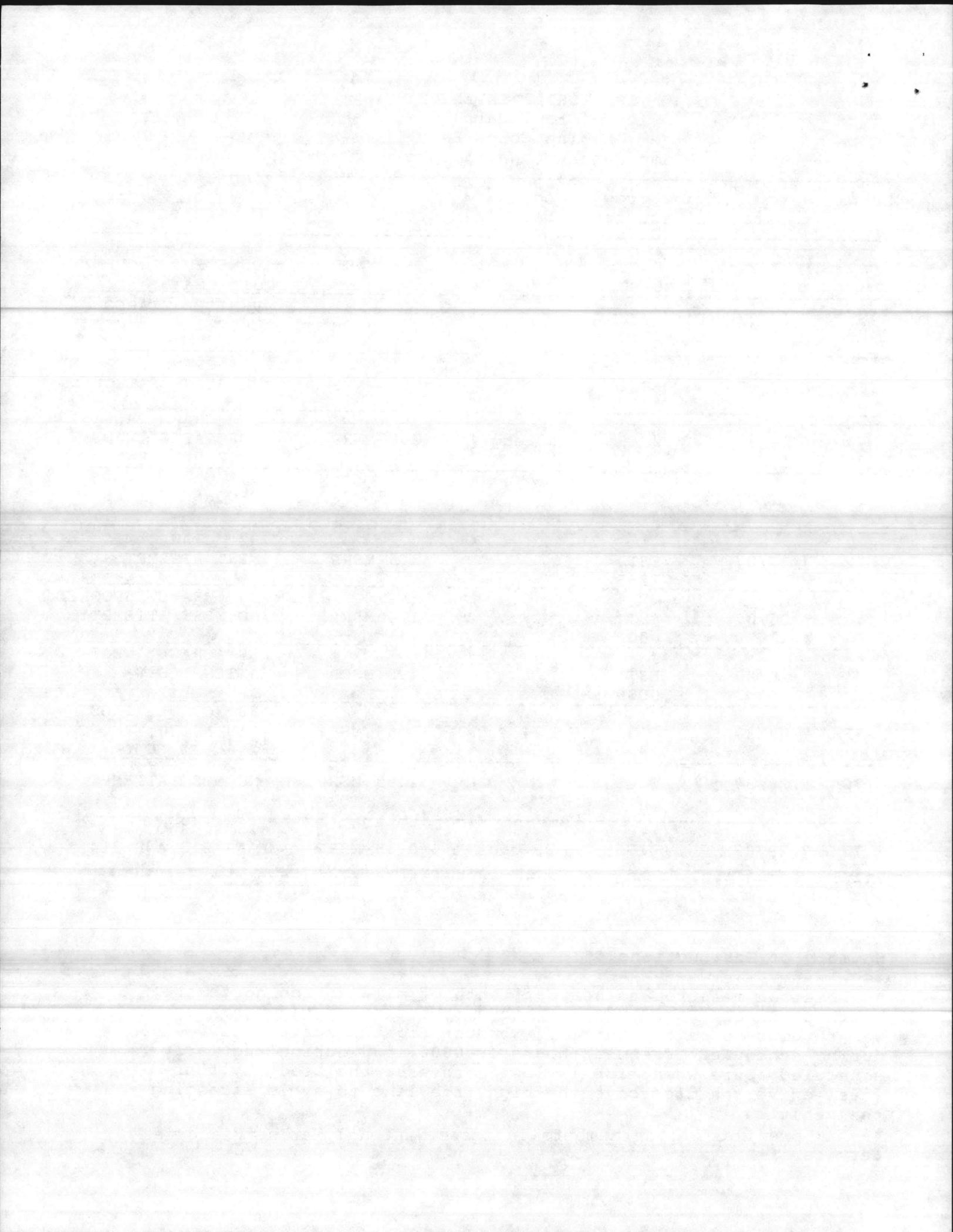
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67	7/27/87	EST. 0100		2.6 MNRP	TRIED TO CLIMB DUNE BUT COULDN'T 31" CRAWL.
68	7/27/87	EST. 0100		3.6 MNRP	VEHICLE SCARED TURTLE, 33" CRAWL
69	7/27/87	EST. 2130		0.7 MNRP	33" CRAWL, SPOOKED BY BEACH PATROL
70	7/27/87	2249	50 eggs	2.0 MNRP	33" CRAWL TAG# 817, RELOCATED IN DUNE AT 2.0 MNRP
71	7/27/87	2349		3.35 MSRP	32" CRAWL, TAG# 120, SPOOKED TURTLE
72	7/27/87	EST. 2255		3.5 MSRP	32" CRAWL, NO NEST ATTEMPT
73	7/28/87	EST. 0000		1.6 MSRP	36" CRAWL, SPOOKED NO NEST ATTEMPT
74	7/28/87	EST. 0000		2.0 MSRP	33" CRAWL, NEST ATTEMPTED.
75	7/28/87	0155	124 eggs	1.65 MSRP	33" CRAWL, TAGS 119 & 120; RELOCATED 2.0 MNRP, RETURN OF FC# 3
76	7/28/87	0315		2.35 MSRP	NO NEST ATTEMPT
77	7/29/87	0135	99 eggs	0.55 MSRP	35" CRAWL, TAG AAR 213 AND 214

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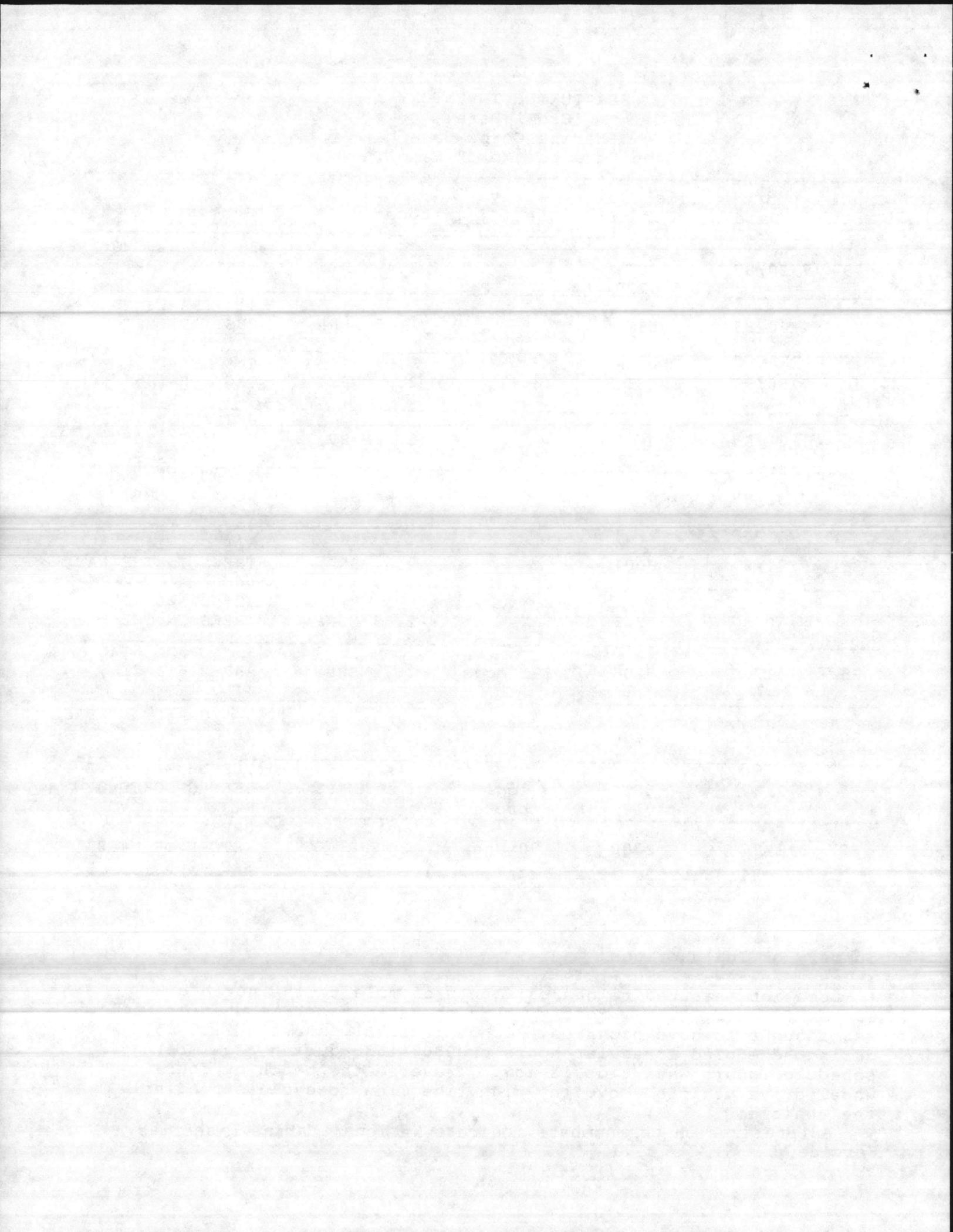
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78	7/30/87	EST. 0230		2.4 MGRP	36" CRAWL, NO NEST ATTEMPT
79	7/30/87	EST.		1.85 MGRP	41" CRAWL, NO NEST ATTEMPT
80	7/30/87	EST.		2.0 MGRP	41" CRAWL, TAG AAR-105
81	7/31/87	0015		2.2 MGRP	RETURN OF N#42 NO NEST ATTEMPT TAG # AAR-105
82	7/31/87	0030		2.5 MSRP	32" CRAWL, NO NEST ATTEMPT
83	7/31/87	0001		2.8 MSRP	32" CRAWL, SMALL TREES IN THE WAY
84	7/30/87	2345		2.85 MSRP	32" CRAWL, SMALL TREES IN THE WAY
85	7/31/87	0205	121 eggs	2.7 MSRP	35" CRAWL, TAG AAR 215 & 216, RELOCATED 2.15 MGRP
86	7/31/87	0430		2.8 MGRP	34" CRAWL, AT BASE OF CLIFF
87	8/1/87	EST. 0100	9 eggs 5 broken	3.0 MGRP	TURTLE MAY HAVE BEEN SPOOKED BY RACON, RELOCATED 1.8 MNP
88	8/1/87	2300	190 eggs	2 MSRP	GREEN TURTLE RETURN OF N#58 TAG #208

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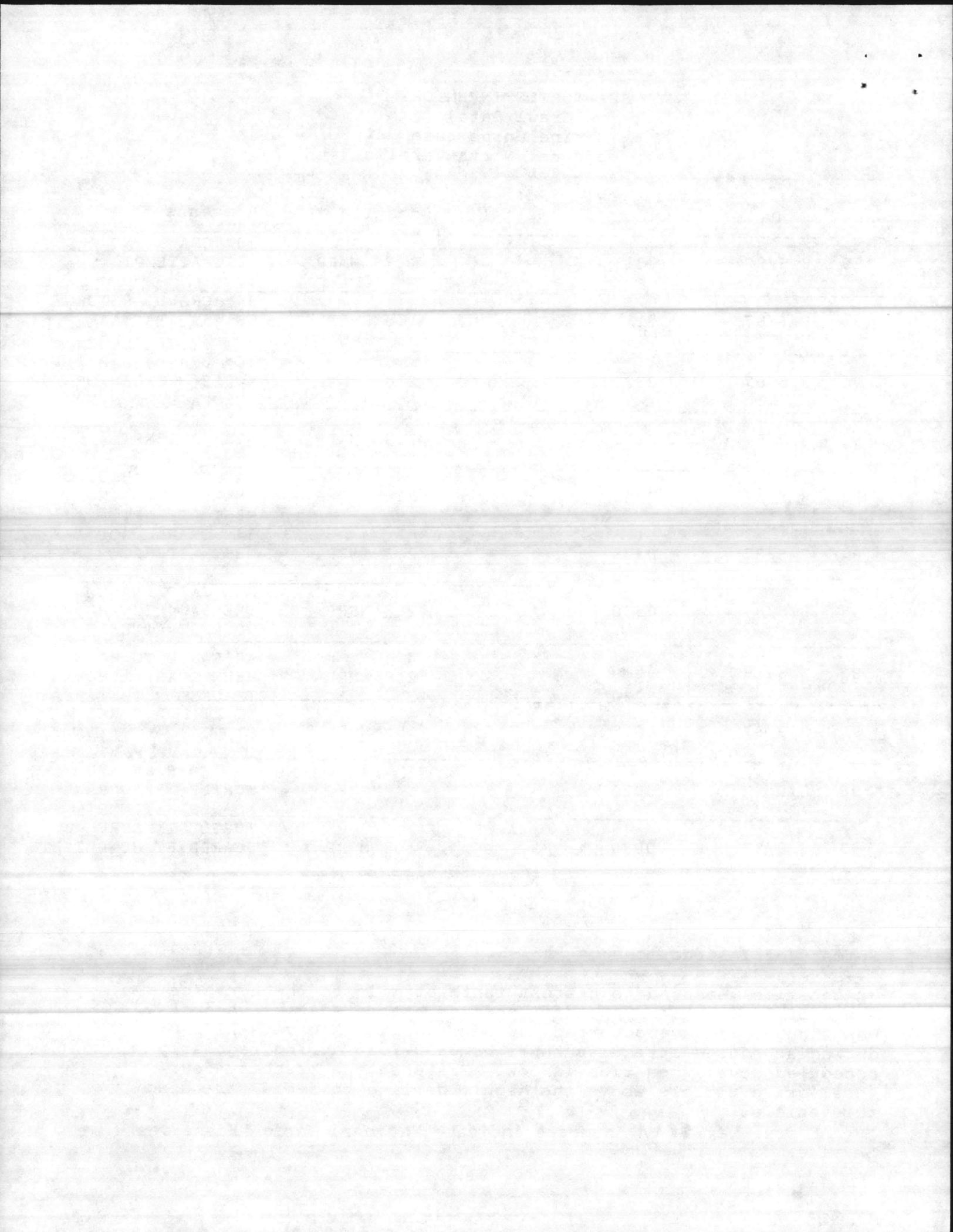
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89	8/5/87	0315		1.75 MNRP	30" CRAWL, NO NEST ATTEMPT
90	8/6/87	2150		1.0 MNRP	34" CRAWL, RETURN OF #59, TAG AAR 206 AND 209
91	8/6/87	2330	136 eggs	2.07 MNRP	36" CRAWL, AAR 211 & 212, RETURN OF N#60 RELOCATED 0.6 MNRP
92	8/7/87	EST.		2.95 MNRP	31" CRAWL, NO NEST ATTEMPT
93	8/8/87	0335		2.85 MSRP	34" CRAWL, BASE OF SMALL TREES, NO NEST ATTEMPT
94	8/8/87	0435		2.3 MSRP.	34" CRAWL, NO NEST ATTEMPT
95	8/8/87	0530		2.8 MSRP	RAN INTO SMALL TREES 34" CRAWL, NO NEST ATTEMPT
96	8/8/87	EST. 2230		2.0 MNRP	APPEARED TO HAVE BEEN SCARED, HUMAN TRACKS IN THE AREA. TURTLE SEEMED FOOLED
97	8/9/87	0015		.8 MNRP	BY BRIGHT MOON, CRAWLED TO PAVILION PORCH, NO NEST
98	8/9/87	0020		.4 MNRP	TWO BOYS SCARED TURTLE, 32" CRAWL, NO NEST ATTEMPT
99	8/9/87	0030		1.8 MSRP	TURTLE IN SURF, SCARED BY HEADLIGHTS

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* 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.

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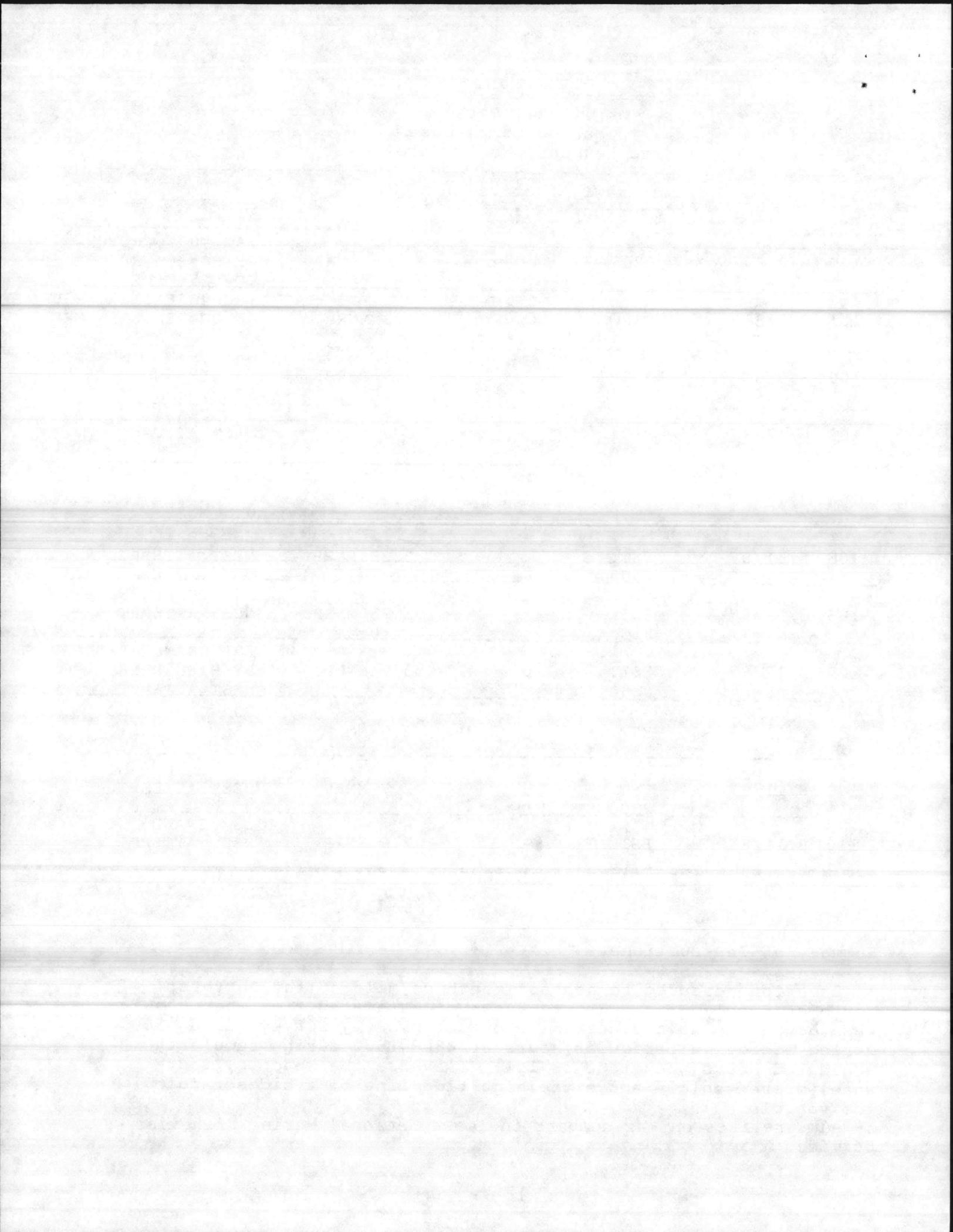
SEA-TURTLE INVENTORY
(Crawl Data)
Marine Corps Base
Camp Lejeune, North Carolina

Crawl No.	Date	Time Crawl Occurred	Active Nest ()	Location *	Comments **
100	8/9/87	0205	147 eggs	1.95 MNRP	TAG #071, RETURN OF FC#26, RELOCATED TO .25 MNRP
101	8/9/87	0300	94 eggs	1.3 MNRP	TAG #AAR-219 & 220 RELOCATED .25 MNRP
102	8/9/87	0330		3.0 MSRP	34" CRAWL, SMALL CAVITY, NO EGGS
103	8/10/87	EST. 2230		0.8 MSRP	32" CRAWL, NO NEST ATTEMPT
104	8/11/87	0135	102 eggs	1.2 MSRP	32" CRAWL, AAR# 222 & 224, RELOCATED 0.5 MNRP
105	8/11/87	EST. 2100		2.25 MNRP	36" CRAWL, NO NEST ATTEMPT
106	8/11/87	EST. 2100		2.25 MNRP	38" CRAWL, NO NEST ATTEMPT
107	8/12/87	EST. 0200		3.2 MNRP	28" CRAWL, DISCOURAGE BY HIGH DUNE. NO NEST ATTEMPT
108	8/11/87	EST. 2300		2.9 MNRP	30" CRAWL, NO NEST ATTEMPT
109	8/11/87	EST. 2300		2.7 MNRP	30" CRAWL, NO NEST ATTEMPT
110	8/11/87	EST. 2300		2.6 MNRP	33" CRAWL, NO NEST ATTEMPT

Summary of Instructions:

* 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.

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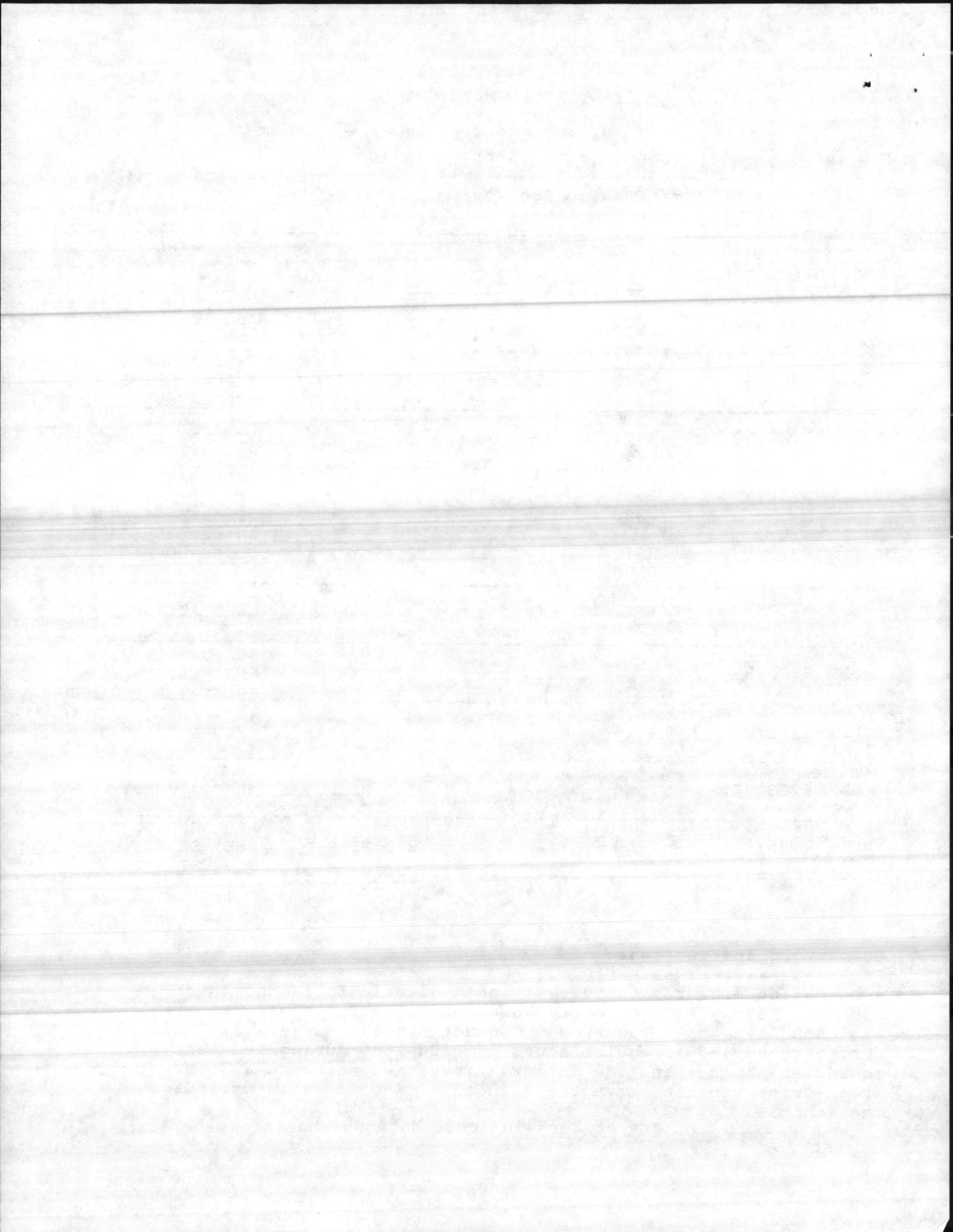
SEA-TURTLE INVENTORY
(Crawl Data)
Marine Corps Base
Camp Lejeune, North Carolina

Crawl No.	Date	Time Crawl Occurred	Active Nest ()	Location *	Comments **
111	8/12/87	EST. 2230		1.62 MNRP	38" CRAWL, NO NEST ATTEMPT
112	8/12/87	EST. 2300		1.67 MNRP	38" CRAWL, CLIMBED UP TO CLUB PATIO
113	8/13/87	0125	163 eggs 1 broken	2.38 MSRP	GREEN TURTLE RETURN OF #58 & 88 RELOCATED .45 MNRP
114	8/12/87	EST. 2300		3.1 MNRP	36" CRAWL, NEST ATTEMPT IN SOFT SAND
115	8/12/87	EST. 2300		2.9 MNRP	38" CRAWL, NEST ATTEMPT ON TOP OF DUNE
116	8/15/87	EST. 0100		2.45 MNRP	34" CRAWL, COULDN'T CLIMB DUNE
117	8/17/87	EST. 2200		3.0 MNRP	38" CRAWL, NO NEST ATTEMPT
118	8/20/87	EST. 2330	114 eggs	3.1 MNRP	38" CRAWL, 21" NEST CAVITY, RELOCATED 2.0 MNRP
119	8/22/87	0120		.15 MNRP	41" CRAWL, TAG AAR-071 RETURN OF FC 26 & !))
120	8/22/87	0550		2.9 MSRP	36" CRAWL, NO NEST ATTEMPT
121	8/25/87	0100		2.8 MSRP	APPEARED TO HAVE BEEN SCARED BY VEHICLE NO NEST ATTEMPT

Summary of Instructions:

* 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.

** AAR prefixes on tag numbers indicate National Marine Fisheries Service.



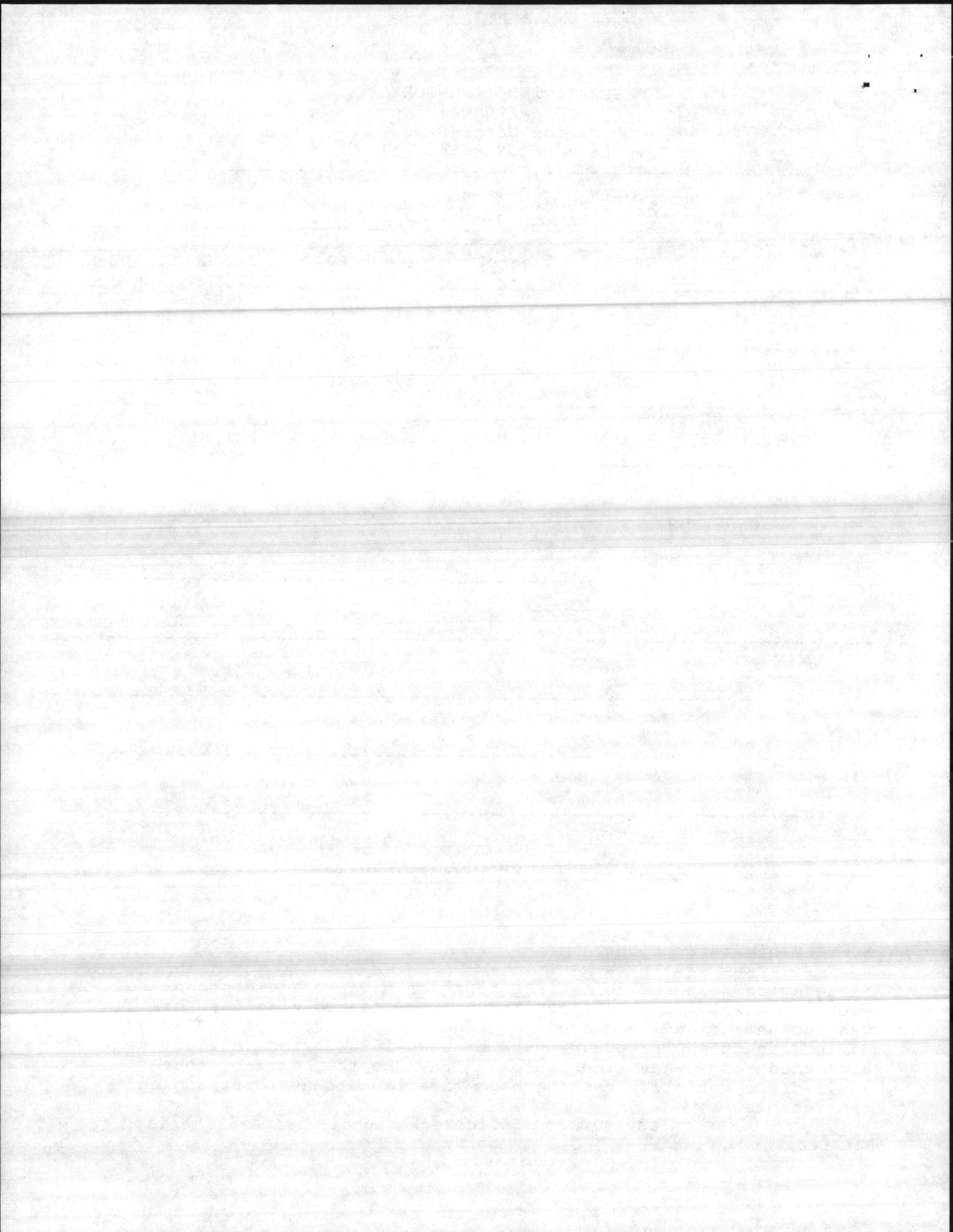
SEA-TURTLE INVENTORY
(Crawl Data)
Marine Corps Base
Camp Lejeune, North Carolina

Crawl No.	Date	Time Crawl Occurred	Active Nest ()	Location *	Comments **
122	8/24/87	N/A	6 eggs	1.8 MNRP	TURTLES FOUND FROM A HATCH OUT, NO NEST LOCATED. 3 dead, 3 alive
123	8/27/87	EST. 0001	165 eggs	3 MSRP	EXTREMELY LATE NEST 45" CRAWL, DEEP NEST. RELOCATED EGGS 2 MNR
124	6/12/87	0105		2.1 MSRP	LATE ENTRY DUE TO ERROR
125	N/A	N/A	156 eggs	3.5 MNRP	NEST FOUND HATCHING ON 10/8/87

Summary of Instructions:

* 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.

** AAR prefixes on tag numbers indicate National Marine Fisheries Service.



NORTH CAROLINA SEA TURTLE
CONSERVATION 1987

PROJECT NAME: ONSLow BEACH

NESTING RESULTS

NEST #	DATE LAID	TREATMENT CODE	DATE HATCHED	INCUBATION TIME	CLUTCH SIZE*	#SURVIVED (HE + HA)	SURVIVAL % (HE + HA) (H + UH)
10	6/5/87	WIRE	8/9/87	65 days	138	113	82%
34	6/29/87	WIRE	8/27/87	59 days	128	105	82%
40	7/7/87	WIRE	9/3/87	58 days	120	114	95%
42	7/8/87	WIRE	9/6/87	60 days	138	73	53%
43	7/8/87	WIRE	9/6/87	60 days	188	160	85%
51	7/15/87	WIRE	9/14/87	61 days	139	130	94%
58	7/21/87	WIRE	9/21/87	62 days	192	188	98%
59	7/24/87	WIRE	9/26/87	64 days	120	103	86%
60	7/26/87	WIRE	9/28/87	64 days	146	139	95%
70	7/27/87	WIRE	9/28/87	63 days	50	33	66%
75	7/28/87	WIRE	9/29/87	63 days	124	82	66%
77	7/29/87	WIRE	10/2/87	65 days	99	87	88%
85	7/31/87	WIRE	10/4/87	65 days	121	65	54%
87	8/1/87	WIRE	10/7/87	67 days	4	4	100%
88	8/1/87	WIRE	10/7/87	67 days	190	167	88%
91	8/6/87	WIRE	10/19/87	74 days	136	105	77%
100	8/9/87	WIRE	10/20/87	72 days	147	92	63%

* Clutch size determined from nest remains.

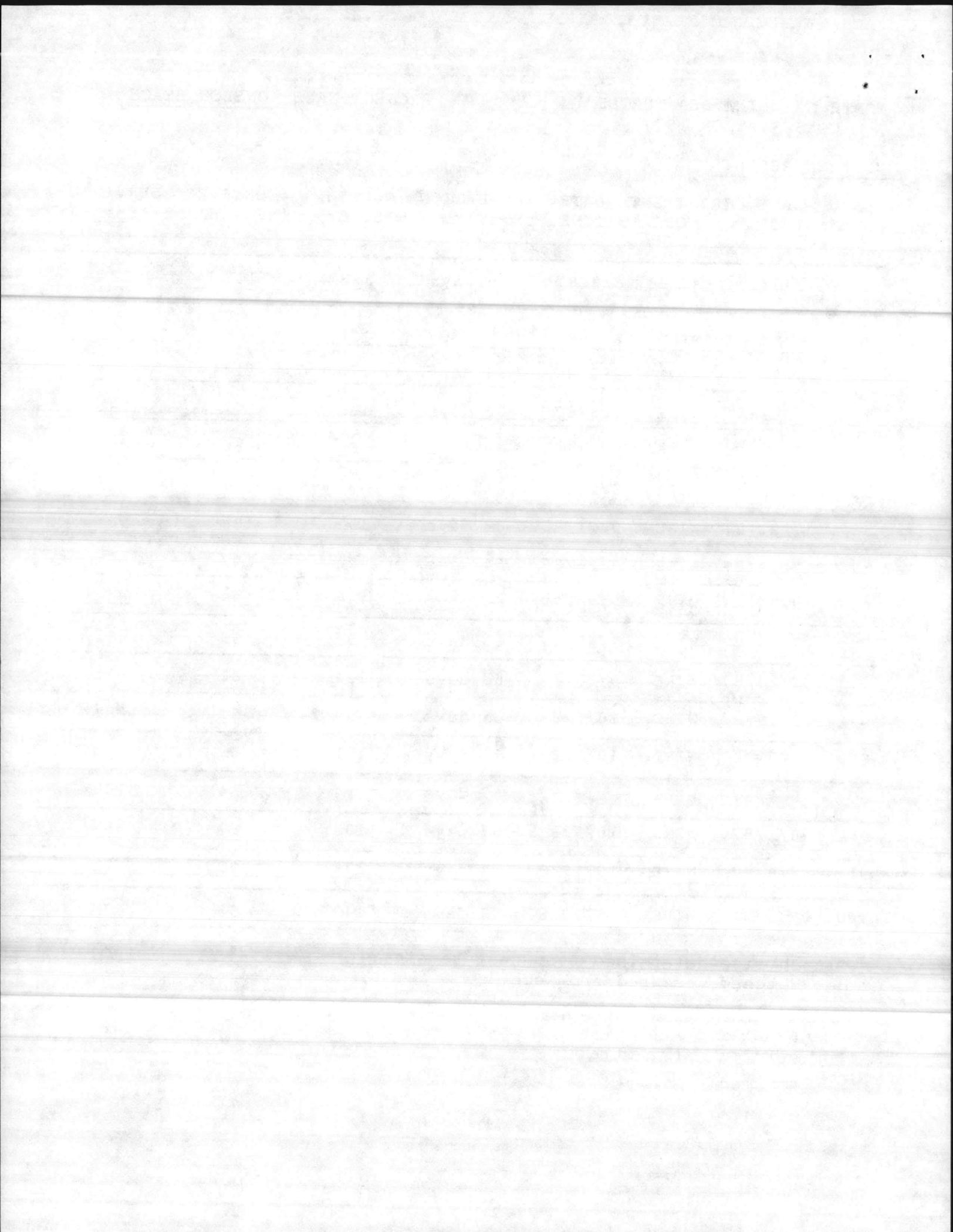
* H = Hatched, escaped from egg

* HE = Hatched, escaped from nest

* HD = Hatched, dead in nest

* HA = Hatched, alive in nest

* UH = Unhatched



NORTH CAROLINA SEA TURTLE
CONSERVATION 1987

PROJECT NAME: ONSLow BEACH

NESTING RESULTS

NEST #	DATE LAID	TREATMENT CODE	DATE HATCHED	INCUBATION TIME	CLUTCH SIZE*	#SURVIVED (HE + HA)	SURVIVAL % ($\frac{HE + HA}{H + UH}$)
101	8/9/87	WIRE	10/17/87	69 days	94	73	78%
104	8/11/87	WIRE	10/27/87	77 days	102	82	80%
113	8/13/87	WIRE	10/27/87	75 days	162	89	55%
(a) 118	8/20/87	WIRE	11/13/87	85 days	114	0	0%
(b) 122	6/24/87 ^{EST}	N/A	8/24/87	N/A	6	N/A	N/A
(c) 123	8/27/87	WIRE	11/17/87	81 days	165	0	0%
(d) 125	N/A	N/A	10/8/87	N/A	156	121	78%

* Clutch size determined from nest remains.

* H = Hatched, escaped from egg

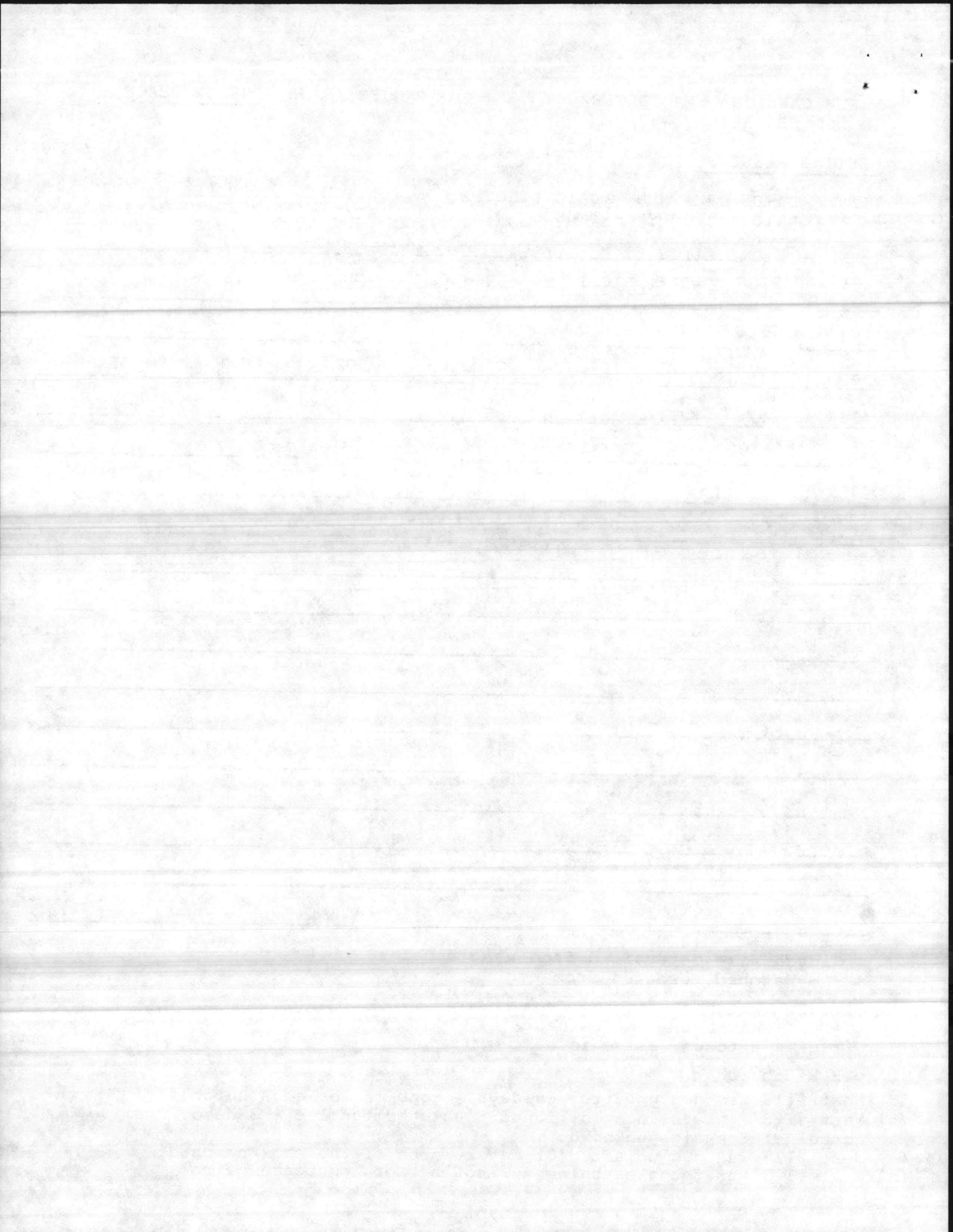
* HE = Hatched, escaped from nest

* HD = Hatched, dead in nest

* HA = Hatched, alive in nest

* UH = Unhatched

- (a) Nest #118 was dug up after 85 days - none of the eggs hatched.
- (b) Nest #122 - never located, found 6 hatched turtles - 3 dead, 3 alive, actual clutch size unknown.
- (c) Nest #123 was dug up after 81 days - none of the eggs hatched.
- (d) Nest #125 was found hatching during the morning beach patrol.



NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ON SLOW BEACH

Nest # 10 Date nest laid 6/5/87 Time laid 0126 (estimate)

Site Description 0.6 miles north of Riseley's 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

Time moved: 1000

Time moved: _____

Relocated where? Up on dune at 0.6 miles north of Riseley's Pier

Number of eggs: whole: 138 broken: 2 nest depth: 20 in.

Comments (predation, description of turtle, etc..) N/A

HATCHING DATA

Date nest hatched: 8/9/87 (^{observed} ~~estimate~~) Excavated by: A.C. Henry, Jr.
Date excavated: 8/10/87

Hatched eggs, from which hatchlings escaped from egg H = 114

Hatched, escaped from nest HE = 91

Hatched, dead in nest HD = 1

Hatched, alive in nest HA = 22

Unhatched eggs UH = 24

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

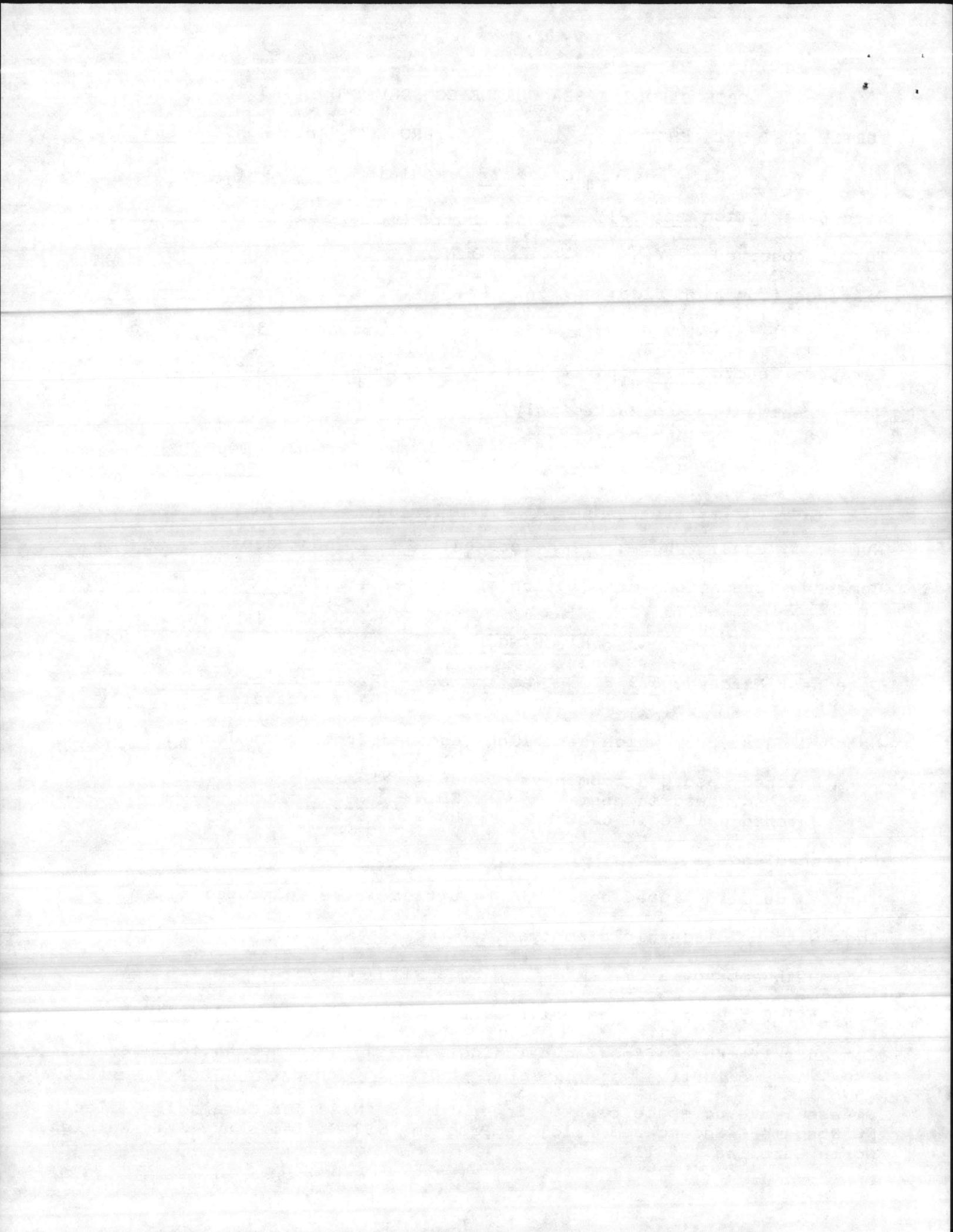
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{113}{139} = \underline{82\%}$

Comments (factors affecting hatching success, deformed hatchlings, etc..) Two turtles were hatching as nest was checked. They were left alone.

Please leave no space blank. Enter "0" or "N/A" for data not available
NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleigh,
North Carolina 27611.



NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ONSLow BEACH

Nest # 34 Date nest laid 6/29/87 Time laid 1150 ~~XXXXXXXXXX~~ (estimate)

Site Description .8 miles north of Riseley's Pier

Turtle observed N Tags N

Distance from high tide: 30 Ft.

Carapace length 38 in. (Curved) Carapace width 31 in.

Carapace length 32 in. (Straight) Carapace width 27 in.

Nest treatment: M = Marked only

= Wire cage

= Relocated

H = Hatchery

Time moved: 0015

Time moved: _____

Relocated where? .5 miles north of Riseley's Pier

Number of eggs: whole: 128 broken: 0 nest depth: 20 in.

Comments (predation, description of turtle, etc..) Applied tags AAR-199/20
Turtle had a large amount of barnacles.

HATCHING DATA

Date nest hatched: 8/27/87 (estimate?) Excavated by: DANNY JONES
Date excavated: 8/31/87

Hatched eggs, from which hatchlings escaped from egg H = 105

Hatched, escaped from nest HE = 105

Hatched, dead in nest HD = 0

Hatched, alive in nest HA = 0

Unhatched eggs UH = 23

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

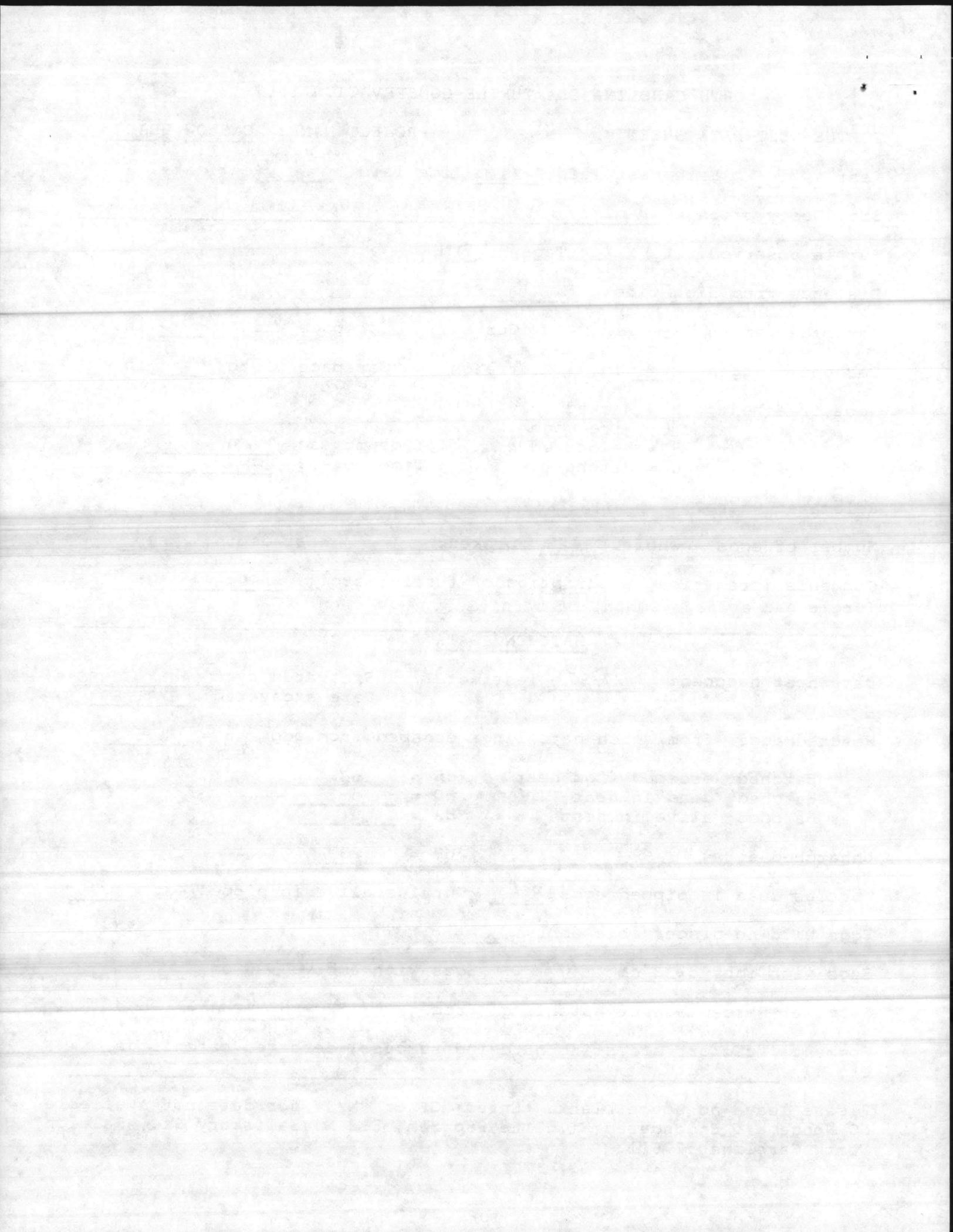
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{105 + 0}{105 + 23} = \underline{82\%}$

Comments (factors affecting hatching success, deformed hatchlings, etc..) _____

Please leave no space blank. Enter "O" or "N/A" for data not available
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NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ON SLOW BEACH

Nest # 40 Date nest laid 7/7/87 Time laid 00-0100 (~~estimate~~) ^{ACTUAL}

Site Description Variable height dunes 8 - 15' with steep face 0.35 miles south of pier

Turtle observed Y N Tags Y N

Distance from high tide: 15 Ft.

Carapace length 39 3/4 in. (Curved) Carapace width 38 1/2 in.

Carapace length 36 in. (Straight) Carapace width 35 in.

Nest treatment: M = Marked only

W = Wire cage

R = Relocated

H = Hatchery

Time moved: 0140

Time moved: 0220

Relocated where? 2.1 miles south of Riseley's Pier on low dune

Number of eggs: whole: 120 broken: 0 nest depth: 13 in.

Comments (predation, description of turtle, etc..) Normal turtle with a few barnicles. She tried a 1st nest about 75' east in the same environment but closer to high tide #202 left #203 right.

HATCHING DATA

Date nest hatched: 9/3/87 (estimate?)

Excavated by: DANNY JONES

Date excavated: 9/8/87

Hatched eggs, from which hatchlings escaped from egg H = 114

Hatched, escaped from nest HE = 114

Hatched, dead in nest HD = 0

Hatched, alive in nest HA = 0

Unhatched eggs UH = 6

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

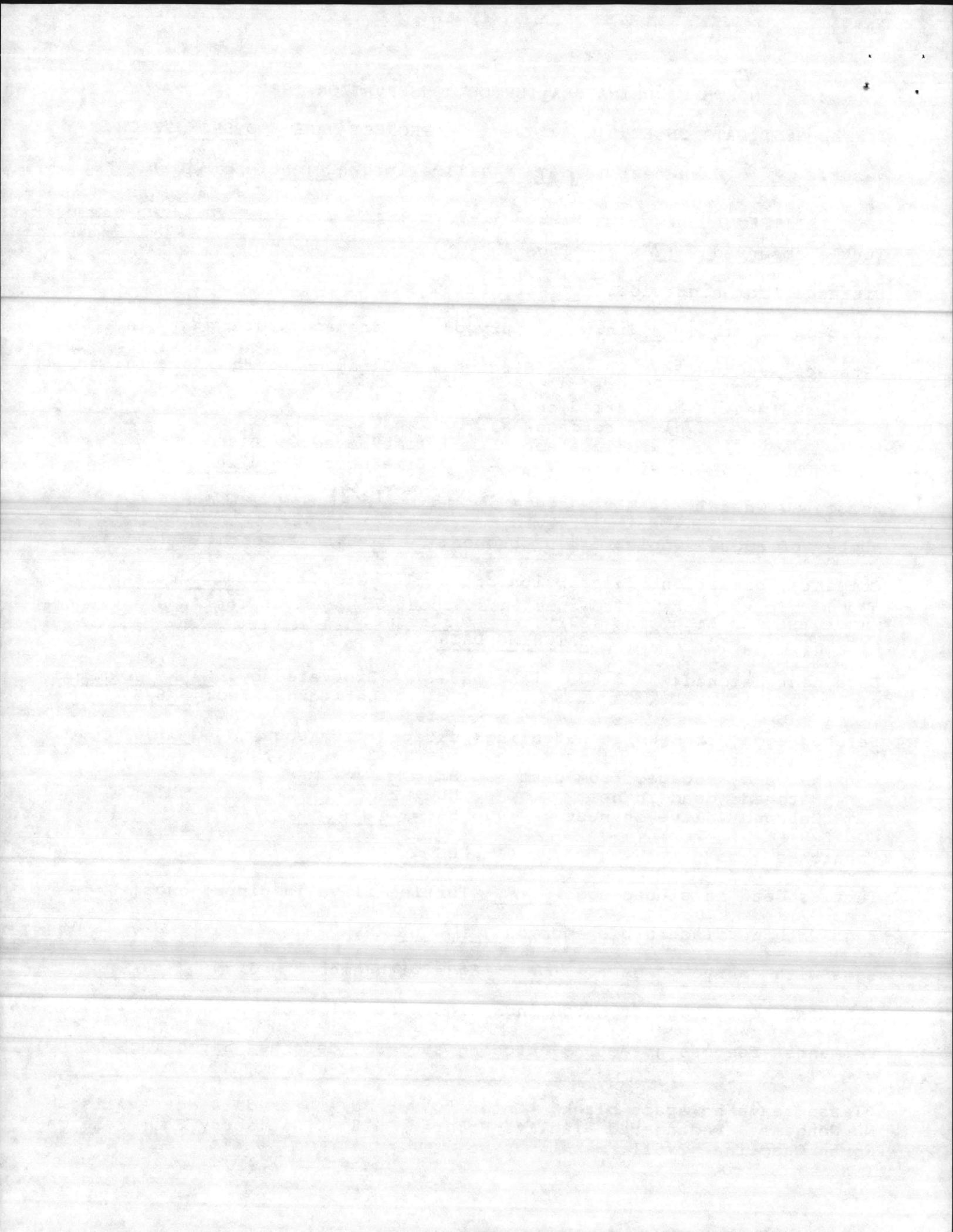
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{114 + 0}{114 + 6} = \underline{95\%}$

Comments (factors affecting hatching success, deformed hatchlings, etc..) _____

Please leave no space blank. Enter "0" or "N/A" for data not available
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NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ONSLow BEACH

Nest # 42 Date nest laid 7/8/87 Time laid 0145 ^{ACTUAL} ~~(estimate)~~

Site Description 2.1 miles north of Riseley's Pier at base of low dune

Turtle observed N Tags N

Distance from high tide: 40 Ft.

Carapace length 38 1/2 in. (Curved) Carapace width 37 in.

Carapace length 37 in. (Straight) Carapace width 31 in.

Nest treatment: M = Marked only

W = Wire cage

R = Relocated

H = Hatchery

Time moved: 1000

Time moved: _____

Relocated where? 2.1 miles north of Riseley's Pier

Number of eggs: whole: 138 broken: 0 nest depth: 18 in.

Comments (predation, description of turtle, etc..) CC had been up last 2 nights, (#38,#41) Tag #201 applied, (had AAR-105)

HATCHING DATA

Date nest hatched: 9/6/87 (estimate?) Excavated by: DANNY JONES
Date excavated: 9/9/87

Hatched eggs, from which hatchlings escaped from egg H = 73

Hatched, escaped from nest HE = 73

Hatched, dead in nest HD = 0

Hatched, alive in nest HA = 0

Unhatched eggs UH = 65

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

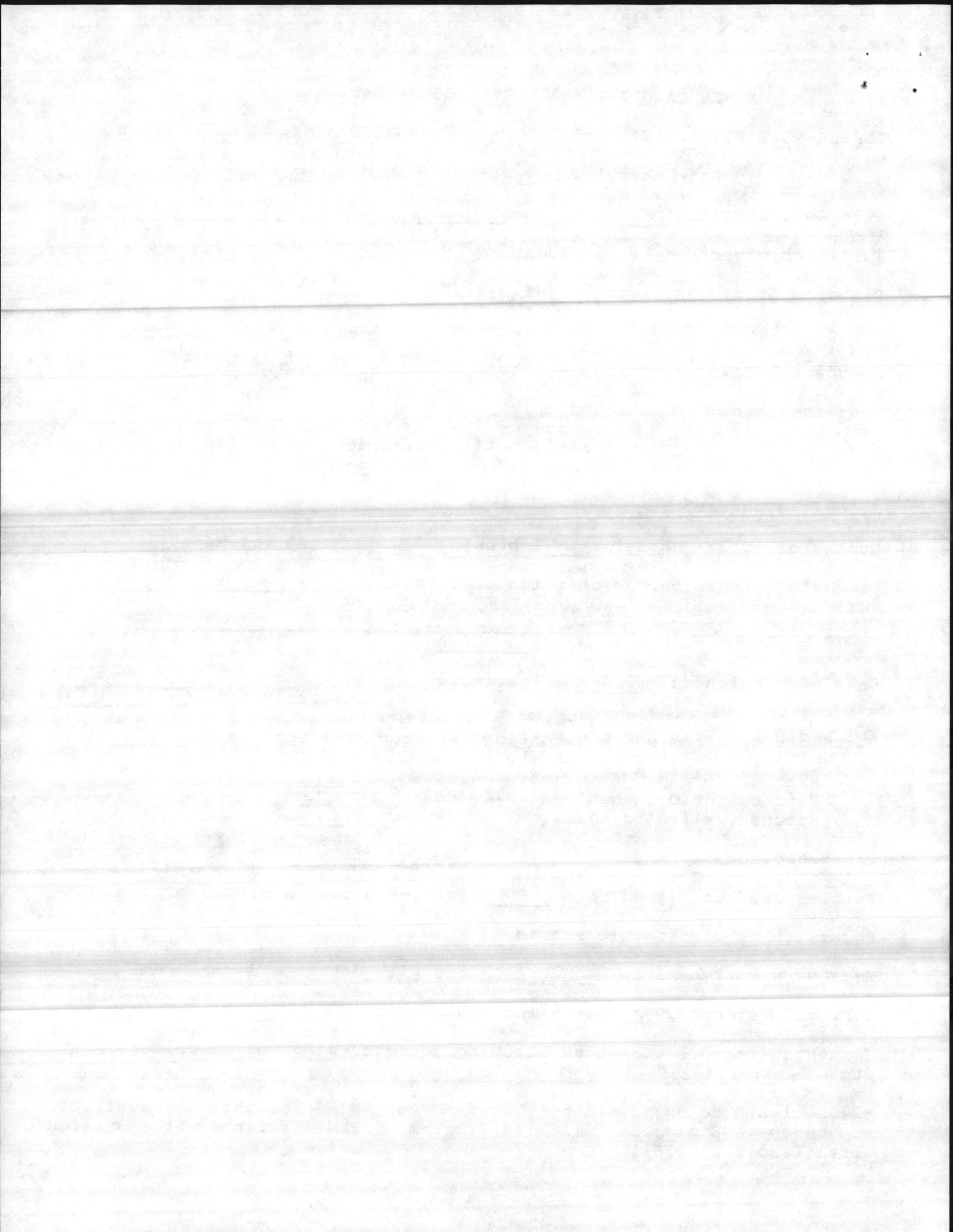
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{73 + 0}{73 + 65} = \underline{53\%}$

Comments (factors affecting hatching success, deformed hatchlings, etc..) Nest appeared to be too shallow.

Please leave no space blank. Enter "0" or "N/A" for data not available
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NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ONSLow BEACH

Nest # 43 Date nest laid 7/8/87 Time laid 0245 ~~(estimate)~~ ACTUAL

Site Description 2.0 miles south of Riseley's Pier at base of dunes

Turtle observed Y N Tags Y N

Distance from high tide: 40 Ft.

Carapace length 45 3/4 in. (Curved) Carapace width 45 3/4 in.

Carapace length 42 in. (Straight) Carapace width 40 in.

Nest treatment: M = Marked only

W = Wire cage

R = Relocated

H = Hatchery

Time moved: 0415

Time moved: _____

Relocated where? 2.1 miles north of Riseley's Pier on a low dune

Number of eggs: whole: 188 broken: 0 nest depth: 20 in.

Comments (predation, description of turtle, etc..) This was a large Green Turtle; made large, deep nest - long time 0130-0415 - surf to surf
Applied Tag #AAR-204/205

HATCHING DATA

Date nest hatched: 9/6/87 (estimate?) Excavated by: DANNY JONES

Date excavated: 9/9/87

Hatched eggs, from which hatchlings escaped from egg H = 160

Hatched, escaped from nest HE = 151

Hatched, dead in nest HD = 0

Hatched, alive in nest HA = 9

Unhatched eggs UH = 28

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

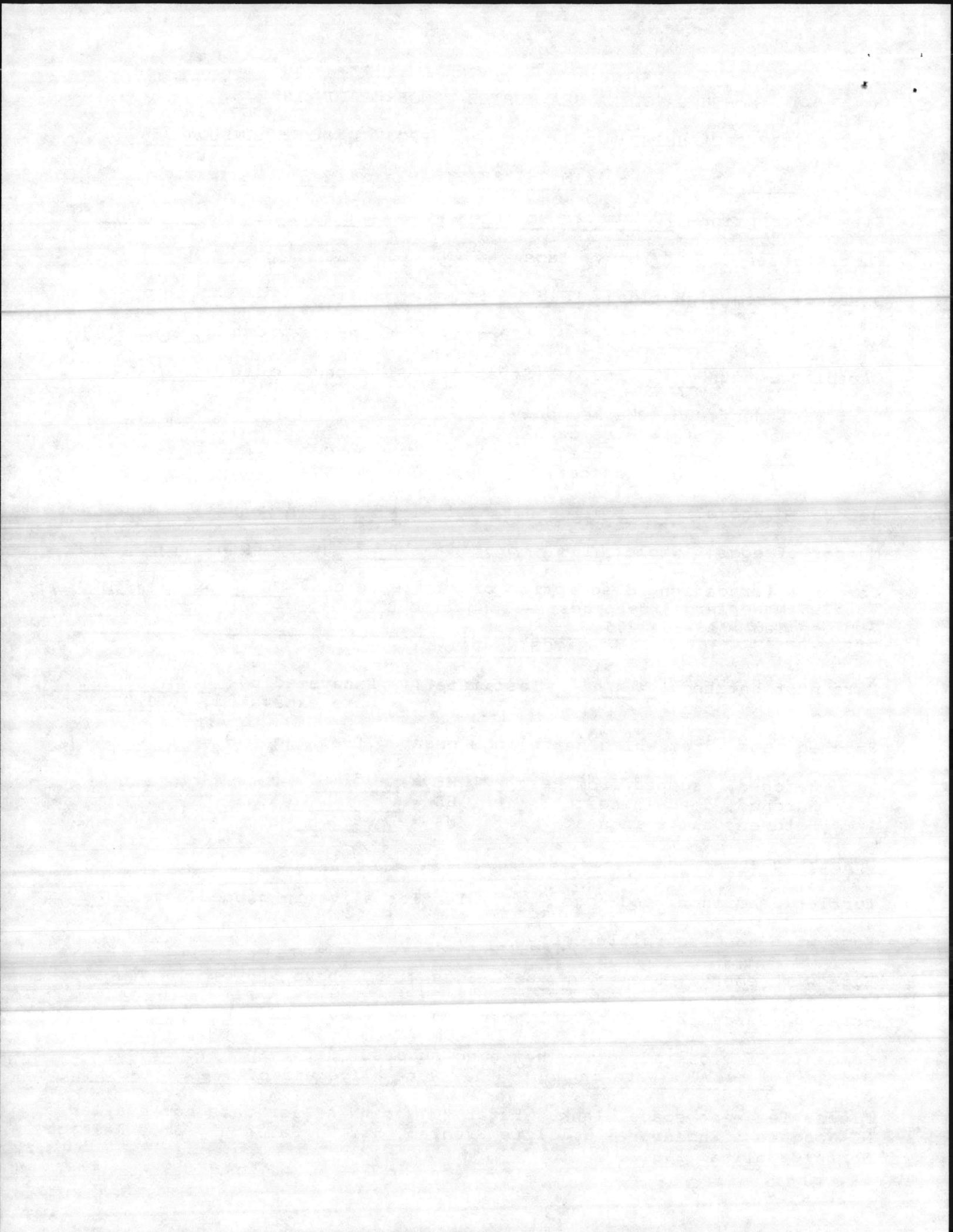
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{151 + 9}{160} = \underline{85\%}$

Comments (factors affecting hatching success, deformed hatchlings, etc..) 9 turtles were in nest, they were alive and o.k.

Please leave no space blank. Enter "O" or "N/A" for data not available
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NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ON SLOW BEACH

Nest # 51 Date nest laid 7/15/87 Time laid 0400 (~~estimate~~) ^{ACTUAL}

Site Description 1.45 miles south of Riseley's Pier in wash over

Turtle observed N Tags N

Distance from high tide: 35 Ft.

Carapace length 40 1/4 in. (Curved) Carapace width 36 in.

Carapace length 36 in. (Straight) Carapace width 30 in.

Nest treatment: M = Marked only

W = Wire cage

R = Relocated

H = Hatchery

Time moved: 0435

Time moved: _____

Relocated where? 2.1 miles north of Riseley's Pier

Number of eggs: whole: 139 broken: 0 nest depth: 20 in.

Comments (predation, description of turtle, etc..) CC with barnacles. Lef
flipper tag was disconnected, turned and buried in flesh.

HATCHING DATA

Date nest hatched: 9/14/87 (estimate?) Excavated by: DANNY JONES

Date excavated: 9/15/87

Hatched eggs, from which hatchlings escaped from egg H = 131

Hatched, escaped from nest HE = 128

Hatched, dead in nest HD = 1

Hatched, alive in nest HA = 2

Unhatched eggs UH = 8

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

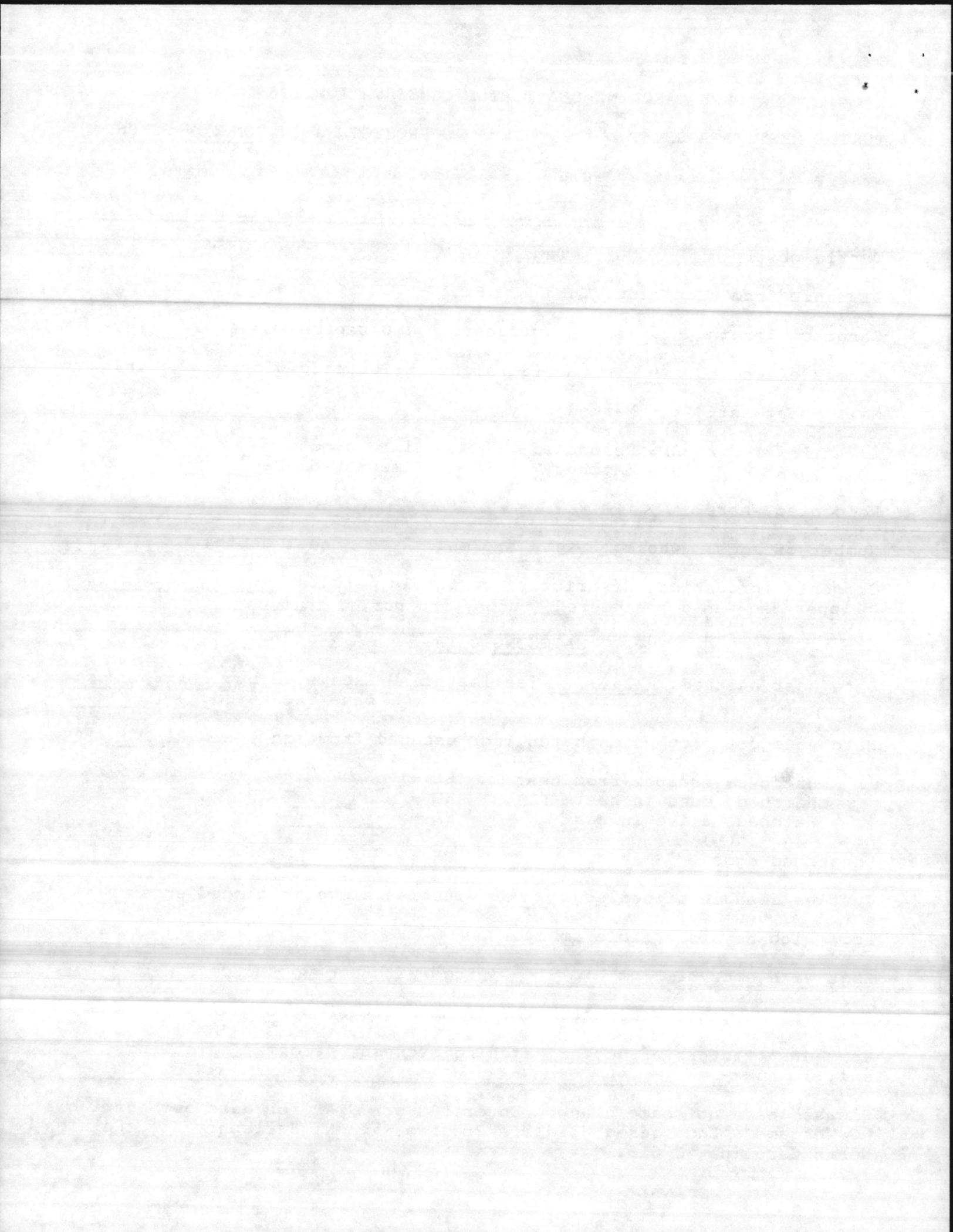
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{94}{131} = 94\%$

Comments (factors affecting hatching success, deformed hatchlings, etc..) _____

Please leave no space blank. Enter "0" or "N/A" for data not available
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NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ON SLOW BEACH

Nest # 58 Date nest laid 7/21/87 Time laid 0100 ^{ACTUAL} ~~(estimate)~~

Site Description 2.05 miles south of Riseley's Pier, 110 ft. above last high tide, at base of 15' dune.

Turtle observed N Tags Y N

Distance from high tide: 110 Ft.

Carapace length 46 1/4 in. (Curved) Carapace width 44 1/2 in.

Carapace length 43 1/2 in. (Straight) Carapace width 37 1/2 in.

Nest treatment: M = Marked only

W = Wire cage

R = Relocated

H = Hatchery

Time moved: 0230-0330

Time moved: _____

Relocated where? 2.1 miles north of Riseley's Pier

Number of eggs: whole: 192 broken: 0 nest depth: 34 in. (orig 24" (relocate))

Comments (predation, description of turtle, etc..) Large Green Turtle with no tags or scars.

HATCHING DATA

Date nest hatched: 9/21/87 (estimate?) Excavated by: DANNY JONES

Date excavated: 9/22/87

Hatched eggs, from which hatchlings escaped: from egg H = 188

Hatched, escaped from nest HE = 187

Hatched, dead in nest HD = 0

Hatched, alive in nest HA = 1

Unhatched eggs UH = 4

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

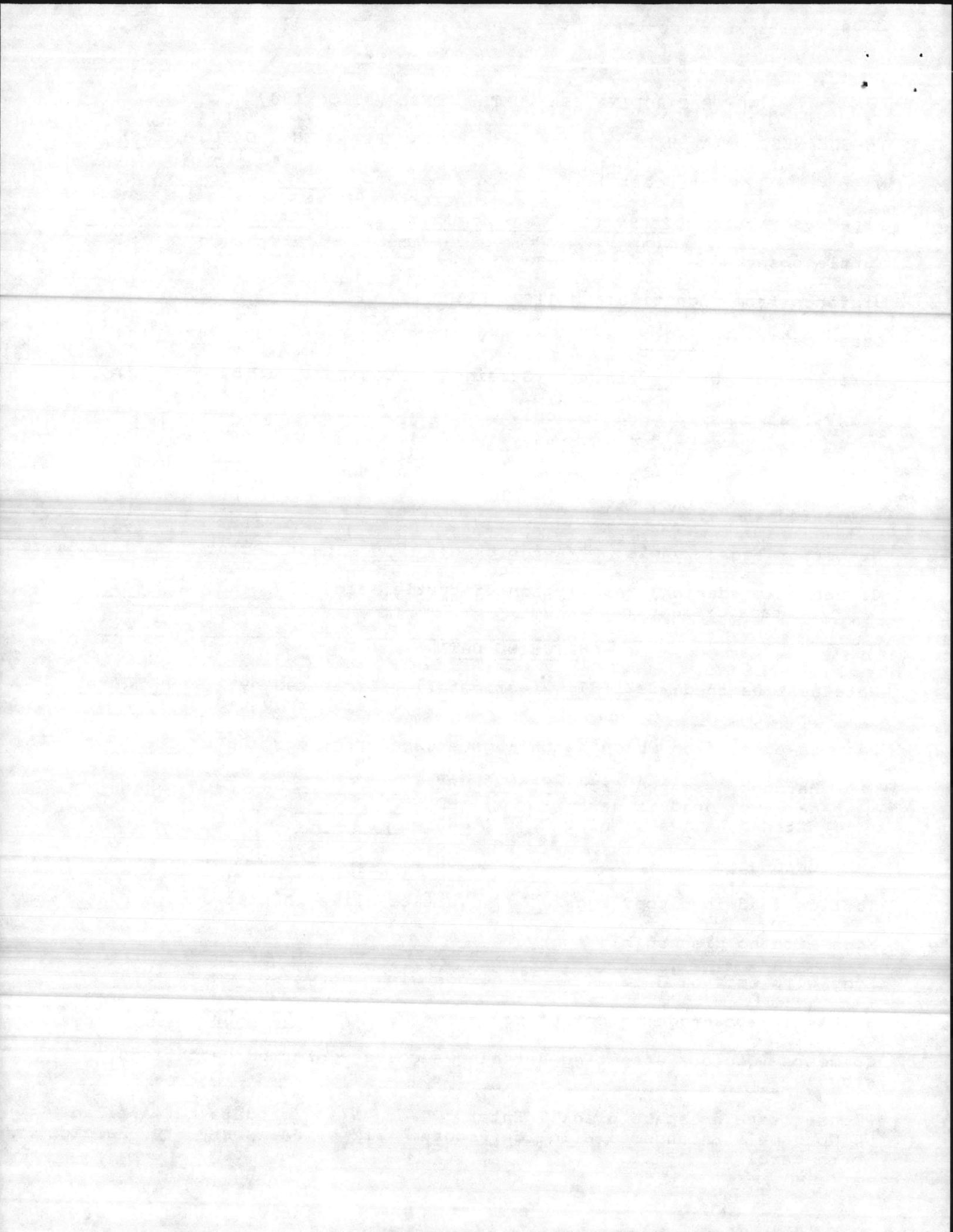
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{187 + 1}{188} = \underline{98\%}$

Comments (factors affecting hatching success, deformed hatchlings, etc..) _____

Please leave no space blank. Enter "0" or "N/A" for data not available
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 North Carolina 27611.



NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ON SLOW BEACH

Nest # 59 Date nest laid 7/24/87 Time laid 2315 ^{Actual}~~(estimate)~~

Site Description 0.1 miles north of Riseley's Pier, 1.5' from low dunes in vehicle tracks.

Turtle observed N Tags Y N

Distance from high tide: 45 Ft.

Carapace length 38 3/4 in. (Curved) Carapace width 36 in.

Carapace length 36 in. (Straight) Carapace width 25 in.

Nest treatment: M = Marked only
 W = Wire cage
 R = Relocated
 H = Hatchery

Time moved: 0115
 Time moved: _____

Relocated where? 1.8 miles north of Riseley's Pier

Number of eggs: whole: 120 broken: 0 nest depth: 18 in.

Comments (predation, description of turtle, etc..) Small loggerhead turtle with some barnicles. Tags AAR-206(left) AAR-209 (right)

HATCHING DATA

Date nest hatched: 9/26/87 (estimate?) Excavated by: DANNY JONES
 Date excavated: 9/28/87

Hatched eggs, from which hatchlings escaped from egg H = 106

Hatched, escaped from nest HE = 103
 Hatched, dead in nest HD = 3
 Hatched, alive in nest HA = 0

Unhatched eggs UH = 14

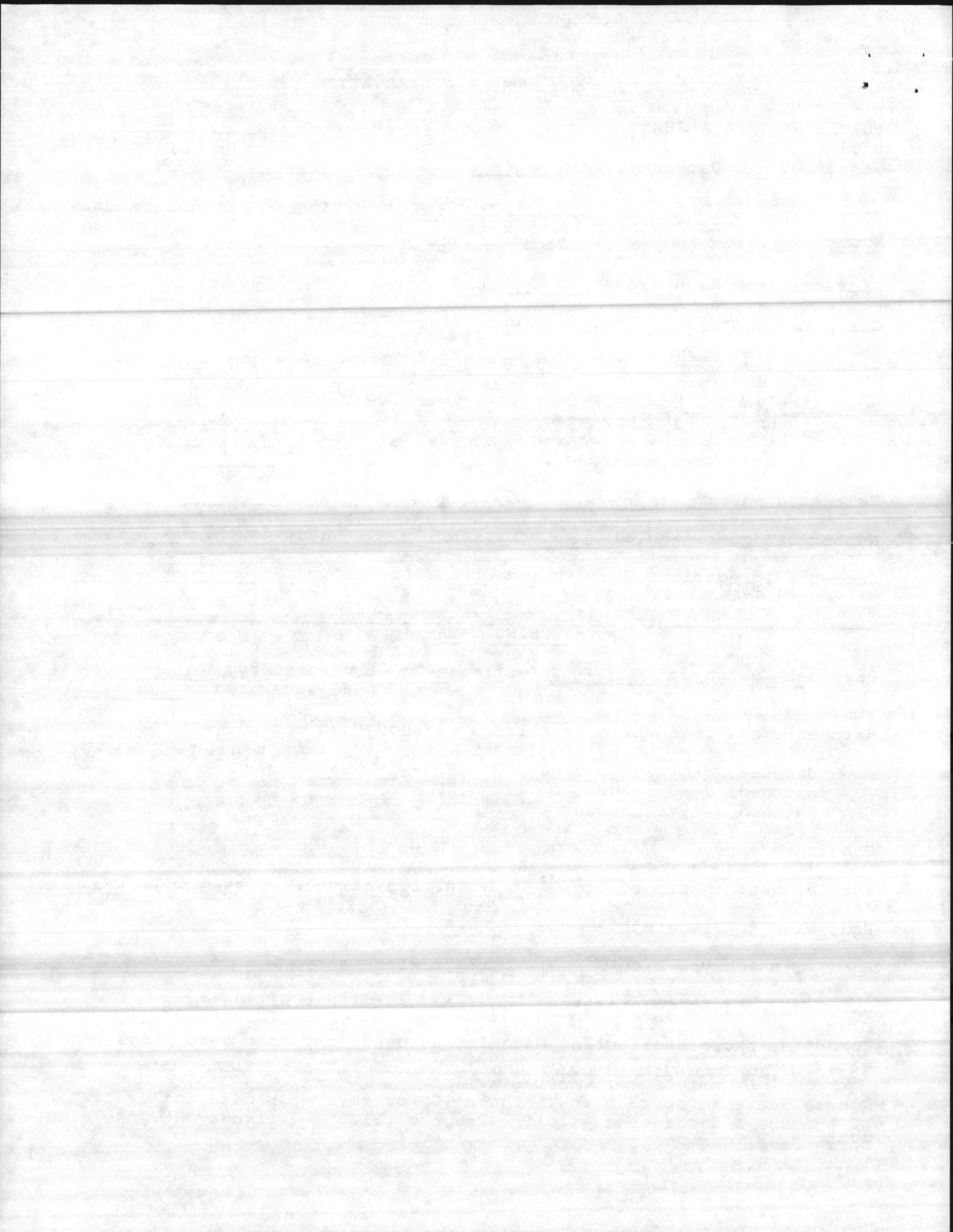
Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

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 $SP = \frac{HE + HA}{H + UH} = \frac{103 + 0}{106 + 14} = \underline{86} \% .$

Comments (factors affecting hatching success, deformed hatchlings, etc..) This turtle returned 8/6/87, nested two nights later 8/8/87, 4 miles north of Cape Fear (Bald Head Island) According to Pat Schroder, NMFS, Miami, FL. Please leave no space blank. Enter "0" or "N/A" for data not available NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleigh, North Carolina 27611.



NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ONSLow BEACH

Nest # 60 Date nest laid 7/26/87 Time laid 0130 ^{ACTUAL} ~~(estimate)~~ ~~XXXXXXXXXX~~

Site Description 0.6 miles south of Riseley's Pier

Turtle observed N Tags Y N

Distance from ~~High~~ ^{low} tide: 117 Ft.

Carapace length 44 in. (Curved) Carapace width 41 in.

Carapace length 42 in. (Straight) Carapace width 31 in.

Nest treatment: M = Marked only

= Wire cage

= Relocated

H = Hatchery

Time moved: 0145

Time moved: _____

Relocated where? 1.8 miles north of Riseley's Pier

Number of eggs: whole: 146 broken: 0 nest depth: 23 in.

Comments (predation, description of turtle, etc..) Loggerhead.

Tags AAR-211/212 (#210 lost in progress)

HATCHING DATA

Date nest hatched: 9/28/87 (estimate?) Excavated by: DANNY JONES

Date excavated: 9/30/87

Hatched eggs, from which hatchlings escaped from egg H = 139

Hatched, escaped from nest HE = 126

Hatched, dead in nest HD = 0

Hatched, alive in nest HA = 13

Unhatched eggs UH = 7

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

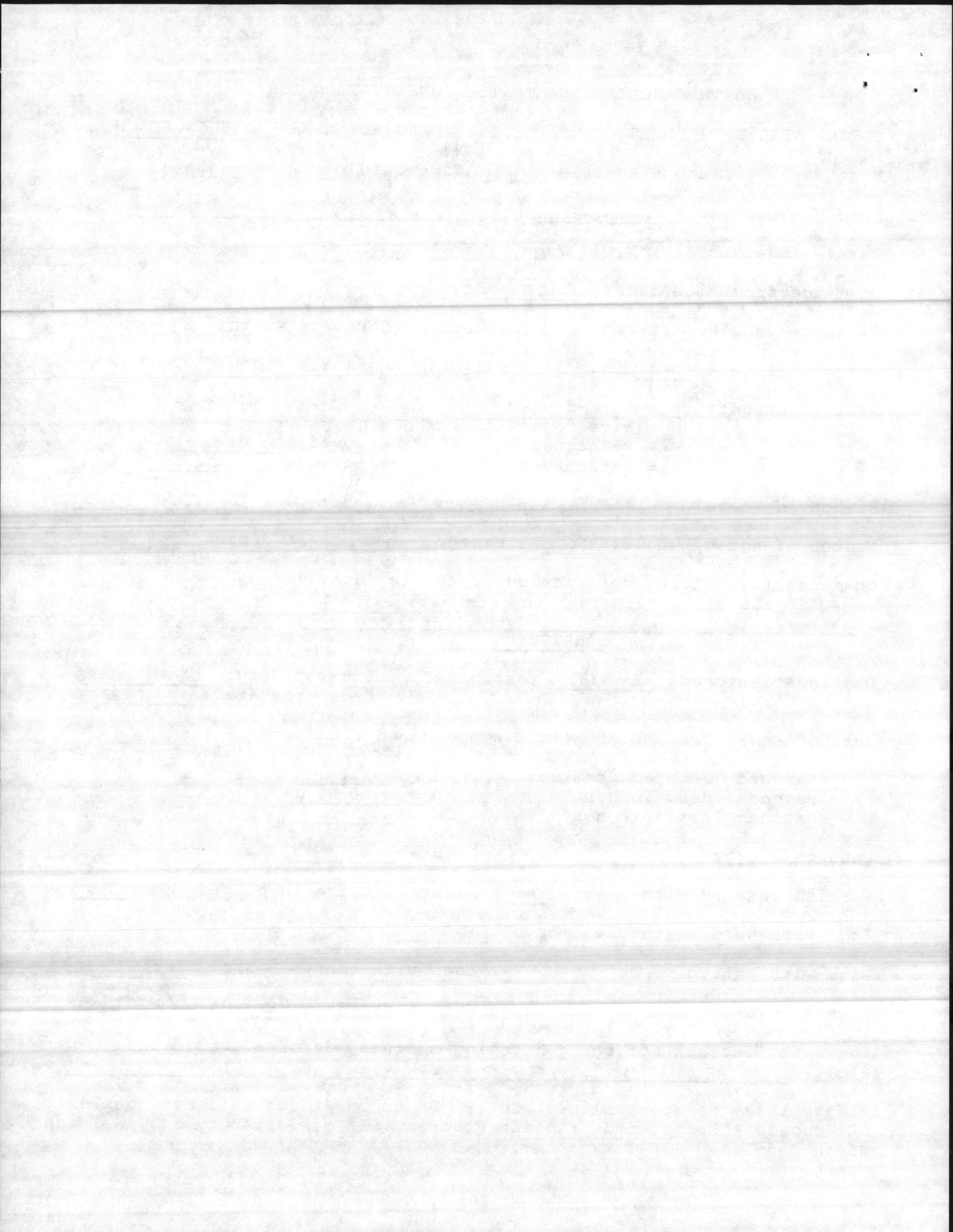
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{126 + 13}{139} = \underline{95\%}$

Comments (factors affecting hatching success, deformed hatchlings, etc..) _____

Please leave no space blank. Enter "0" or "N/A" for data not available
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NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ON SLOW BEACH

Nest # 70 Date nest laid 7/27/87 Time laid 2300 (~~estimated~~ ^{observed})

Site Description 2.0 miles north of Riseley's Pier, in narrow vehicle path on edge of dune.

Turtle observed N Tags N

Distance from high tide: 35 Ft.

Carapace length 38 1/2 in. (Curved) Carapace width 36 in.

Carapace length 35 in. (Straight) Carapace width 25 in.

Nest treatment: M = Marked only
 W = Wire cage
 R = Relocated
 H = Hatchery

Time moved: 0040-0100
 Time moved: _____

Relocated where? 2.0 miles north of Riseley's Pier higher up in dunes.

Number of eggs: whole: 50 broken: 0 nest depth: 18 in.

Comments (predation, description of turtle, etc..) CC with tags 817 (left) tag on right flipper is upside down and semi-buried in flesh - only #64 visible, turtle did not cover nest, only poor fill-in attempt, cavity visible.

HATCHING DATA

Date nest hatched: 9/28/87 (estimate?) Excavated by: DANNY JONES
 Date excavated: 9/30/87

Hatched eggs, from which hatchlings escaped from egg H = 33

Hatched, escaped from nest HE = 31
 Hatched, dead in nest HD = 0
 Hatched, alive in nest HA = 2

Unhatched eggs UH = 17

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

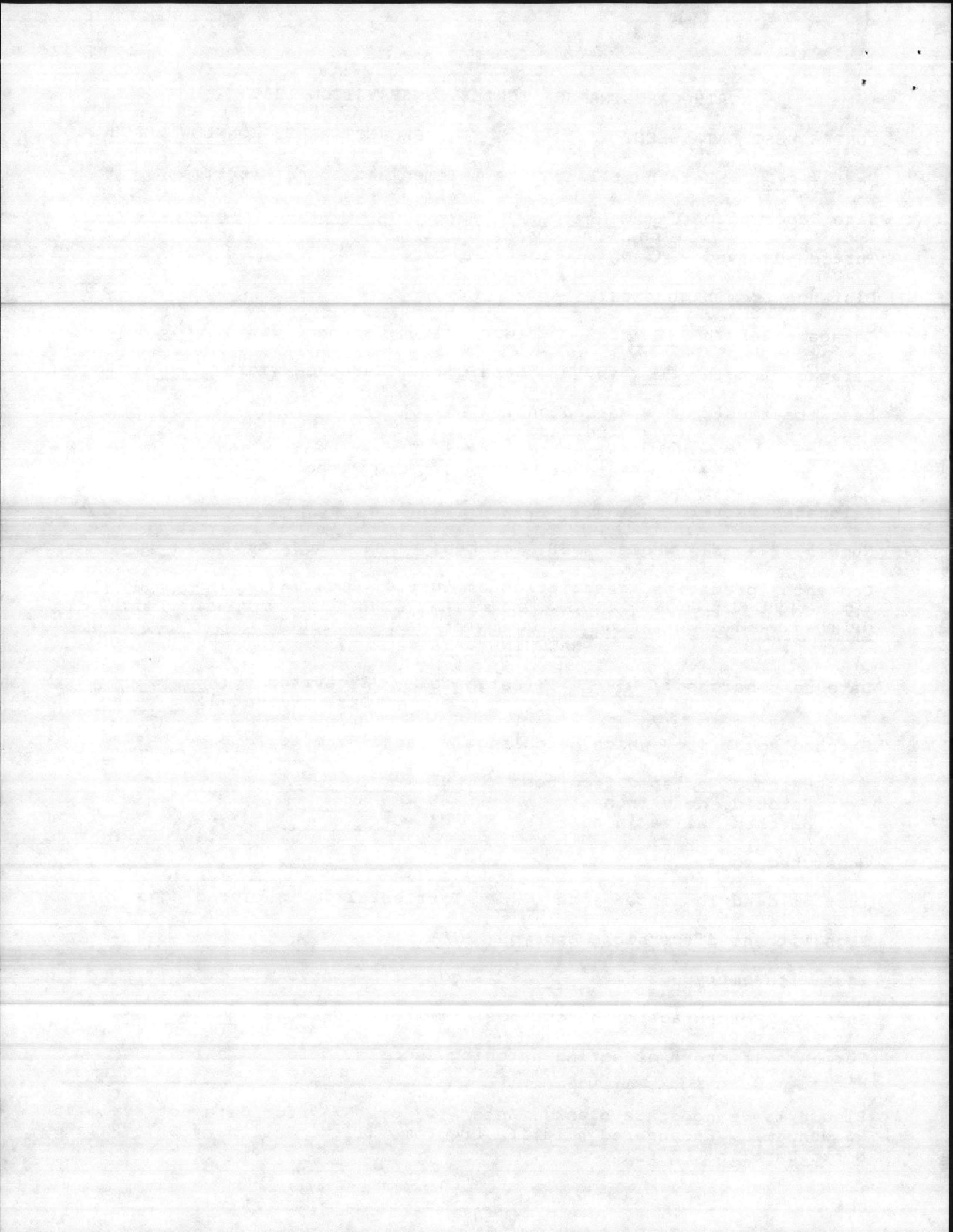
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{31 + 2}{33 + 17} = \underline{66\%}$

Comments (factors affecting hatching success, deformed hatchlings, etc..) _____

Please leave no space blank. Enter "0" or "N/A" for data not available
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NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ONSLOW BEACH

Nest # 75 Date nest laid 7/28/87 Time laid 0220 (~~estimate~~) ^{ACTUAL} ~~XXXXXXXX~~

Site Description 1.65 miles south of Risely's Pier about 100 yards from military vehicles on the beach.

Turtle observed N Tags N

Distance from high tide: 50 Ft.

Carapace length 38 1/4 in. (Curved) Carapace width 37 1/4 in.

Carapace length 36 in. (Straight) Carapace width 26 in.

Nest treatment: M = Marked only

W = Wire cage

R = Relocated

H = Hatchery

Time moved: 0340-0405

Time moved: _____

Relocated where? 2.0 miles north of Riseley's Pier next to #70.

Number of eggs: whole: 124 broken: 0 nest depth: 20 in.

Comments (predation, description of turtle, etc..) Large CC with Tags 119/120
Turtle had been up at 27/2349 3.3 miles south of Roseley's Pier, and was spooked by me.

HATCHING DATA

Date nest hatched: 9/29/87 (estimate?) Excavated by: DANNY JONES

Date excavated: 10/1/87

Hatched eggs, from which hatchlings escaped from egg H = 111

Hatched, escaped from nest HE = 82

Hatched, dead in nest HD = 29

Hatched, alive in nest HA = 0

Unhatched eggs UH = 13

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

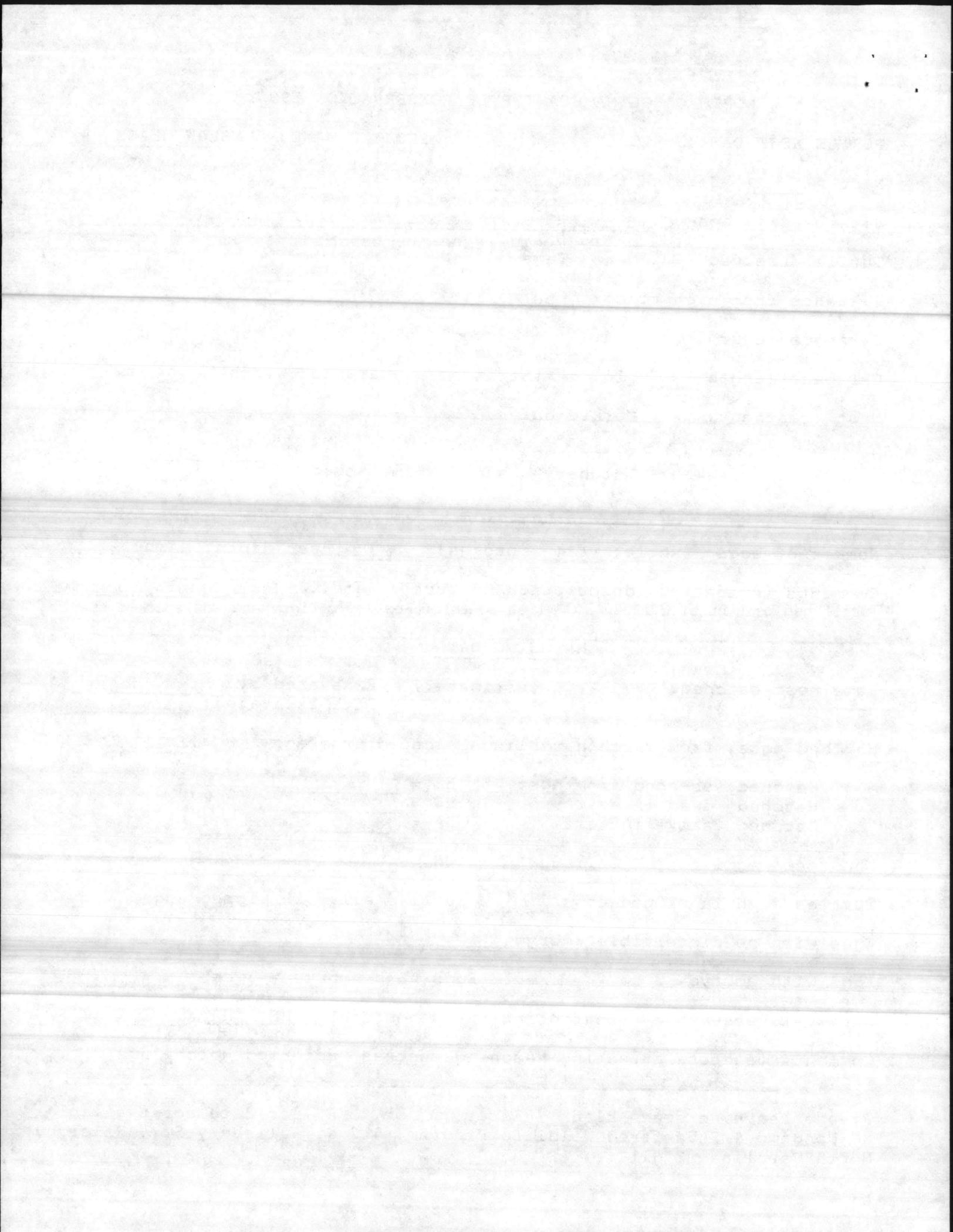
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{82 + 0}{111 + 13} = \underline{66\%}$

Comments (factors affecting hatching success, deformed hatchlings, etc..) _____

Please leave no space blank. Enter "0" or "N/A" for data not available
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NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ONSLow BEACH

Nest # 77 Date nest laid 7/29/87 Time laid 0135 ~~(XXXXXXXXXX)~~ ^{ACTUAL}

Site Description 0.5 miles south of Riseley's Pier in heavy vehicle track

Turtle observed Y ^{area.} N Tags Y (N)

Distance from high tide: 95 Ft.

Carapace length 39 in. (Curved) Carapace width 36 1/2 in.

Carapace length 36 1/2 in. (Straight) Carapace width 26 in.

Nest treatment: M = Marked only

(W) = Wire cage

(R) = Relocated

H = Hatchery

Time moved: 0235-0320

Time moved: _____

Relocated where? 2.05 miles north of Riseley's Pier

Number of eggs: whole: 99 broken: 0 nest depth: 17 in.

Comments (predation, description of turtle, etc..) CC with many barnicles.
 Looked like #76 - right flipper tag not in completely (#214)

HATCHING DATA

Date nest hatched: 10/2/87 (estimate?) Excavated by: DANNY JONES

Date excavated: 10/5/87

Hatched eggs, from which hatchlings escaped from egg H = 87

Hatched, escaped from nest HE = 87

Hatched, dead in nest HD = 0

Hatched, alive in nest HA = 0

Unhatched eggs UH = 12

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

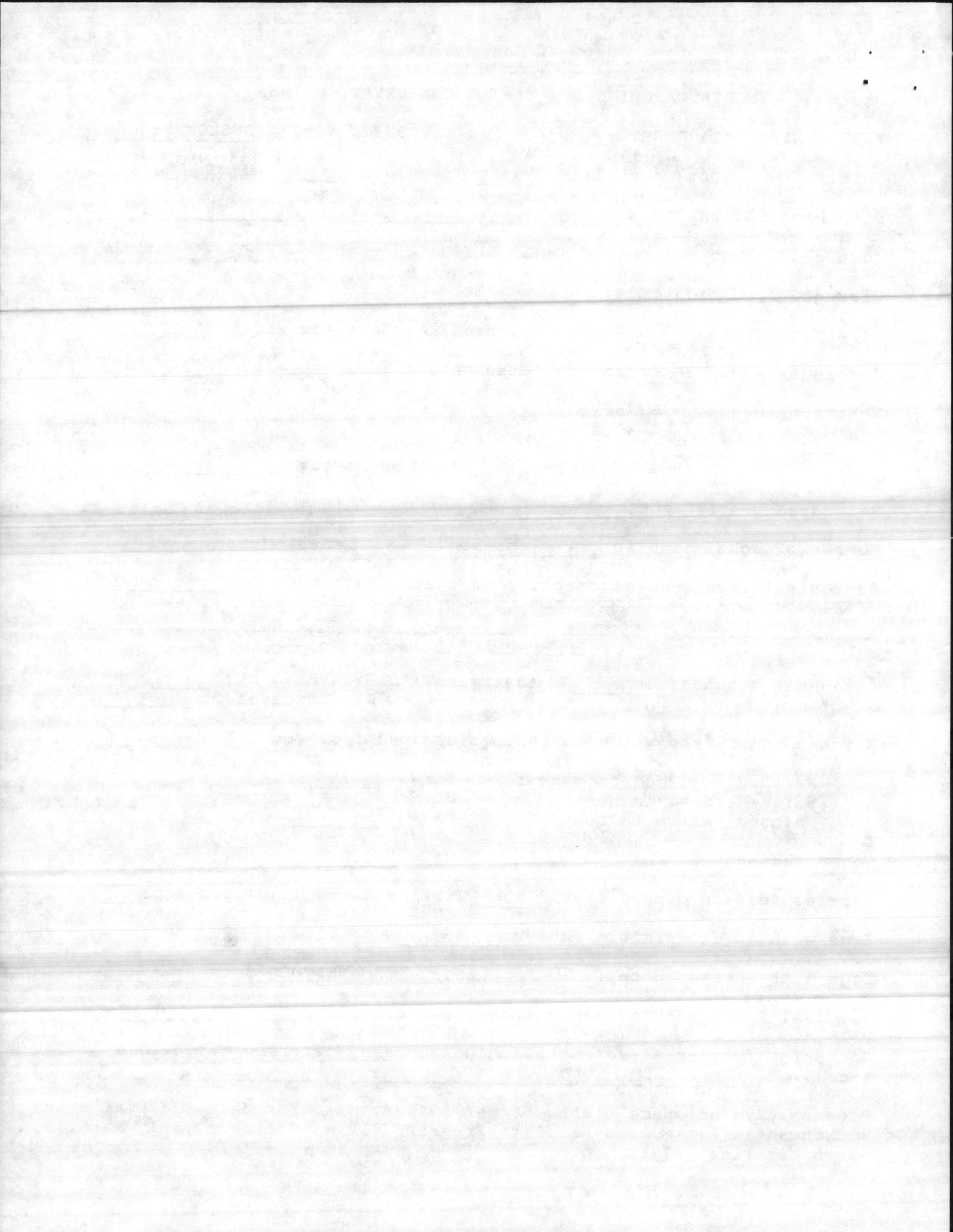
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{87 + 0}{87 + 12} = \underline{88} \%$

Comments (factors affecting hatching success, deformed hatchlings, etc..)

Please leave no space blank. Enter "0" or "N/A" for data not available
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NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ONSLOW BEACH

Nest # 85 Date nest laid 7/31/87 Time laid 0230 ^{ACTUAL}~~(estimate)~~

Site Description 2.7 miles south of Riseley's Pier in low over wash

Turtle observed N Tags Y

Distance from high tide: N/A Ft.

Carapace length 40 1/2 in. (Curved) Carapace width 37 1/2 in.

Carapace length 36 1/2 in. (Straight) Carapace width 29 in.

Nest treatment: M = Marked only

W = Wire cage

R = Relocated

H = Hatchery

Time moved: 0320-0400

Time moved: _____

Relocated where? 2.15 miles north of Riseley's Pier

Number of eggs: whole: 121 broken: 0 nest depth: 20 in.

Comments (predation, description of turtle, etc..) CC - applied tags #215 left, #216 right Air temp 79° F.

HATCHING DATA

Date nest hatched: 10/4/87 (estimate?) Excavated by: DANNY JONES

Date excavated: 10/5/87

Hatched eggs, from which hatchlings escaped from egg H = 68

Hatched, escaped from nest HE = 65

Hatched, dead in nest HD = 3

Hatched, alive in nest HA = 0

Unhatched eggs UH = 53

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

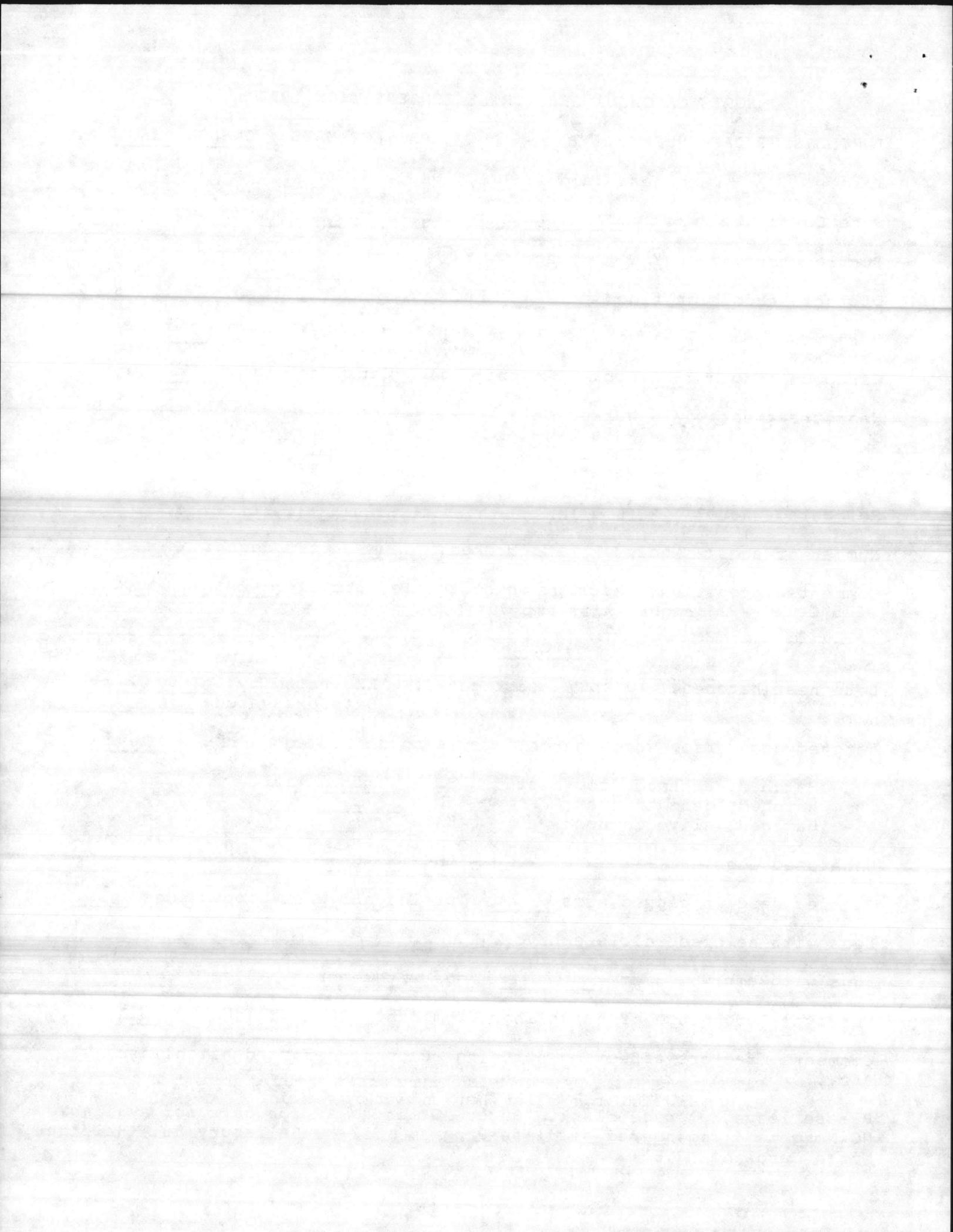
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{65 + 0}{68 + 53} = \underline{54\%}$

Comments (factors affecting hatching success, deformed hatchlings, etc..) Nest ran over twice by vehicle, 25 eggs appeared busted in nest by vehicle weight. 3 hatchlings killed when run over by vehicle.

Please leave no space blank. Enter "O" or "N/A" for data not available
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NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ONslow BEACH

Nest # 87 Date nest laid 8/1/87 Time laid 0100 (estimate)

Site Description 3.0 miles north of Riseley's Pier against base of dune.

Turtle observed Y Tags Y N

Distance from high tide: 50 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

= Wire cage

= Relocated

H = Hatchery

Time moved: 0745-0815

Time moved: _____

Relocated where? 1.8 miles north of Riseley's Pier

Number of eggs: whole: 4 broken: 5 nest depth: 10 in. incomplete

Comments (predation, description of turtle, etc..) Racoon tracks at location but didn't dig in nest area. Eggs were 1" deep.

HATCHING DATA

Date nest hatched: 10/7/87 (estimate?) Excavated by: A.C. HENRY, JR.
Date excavated: 10/8/87

Hatched eggs, from which hatchlings escaped from egg H = 4

Hatched, escaped from nest HE = 4

Hatched, dead in nest HD = 0

Hatched, alive in nest HA = 0

Unhatched eggs UH = 0

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

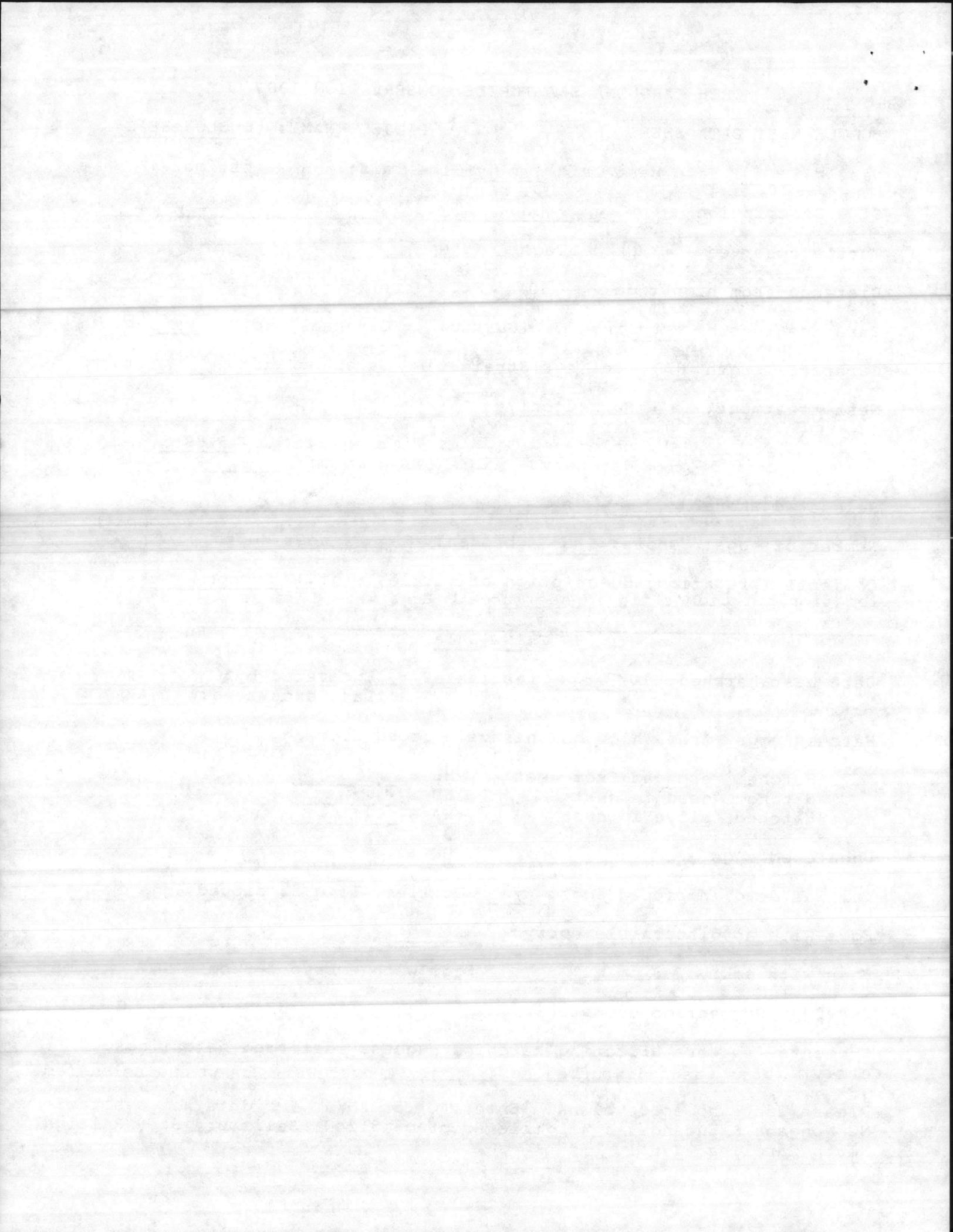
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{4 + 0}{4 + 0} = 100\%$

Comments (factors affecting hatching success, deformed hatchlings, etc..) This was a disturbed nest - only 4 eggs were found and relocated.

Please leave no space blank. Enter "0" or "N/A" for data not available
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NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ON SLOW BEACH

Nest # 88 Date nest laid 8/1/87 Time laid 2300 (estimate)

Site Description Base of high sand dune

Turtle observed N Tags N

Distance from high tide: 120 Ft.

Carapace length 46 1/4 in. (Curved) Carapace width 44 1/2 in.

Carapace length 43 1/2 in. (Straight) Carapace width 37 1/2 in.

Nest treatment: M = Marked only

W = Wire cage

R = Relocated

H = Hatchery

Time moved: 1300 (8/23/87)

Time moved: _____

Relocated where? .1 mile north of Riseley's Pier in 5' sand dune.

Number of eggs: whole: 190 broken: 0 nest depth: 23 in.

Comments (predation, description of turtle, etc..) Green turtle. Enclosed in wire cage, but not relocated at this time.

HATCHING DATA

Date nest hatched: 10/7/87 (estimate?)

Excavated by: A. C. HENRY, JR.

Date excavated: 10/8/87

Hatched eggs, from which hatchlings escaped from egg H = 175

Hatched, escaped from nest HE = 121

Hatched, dead in nest HD = 8

Hatched, alive in nest HA = 46

Unhatched eggs UH = 15

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

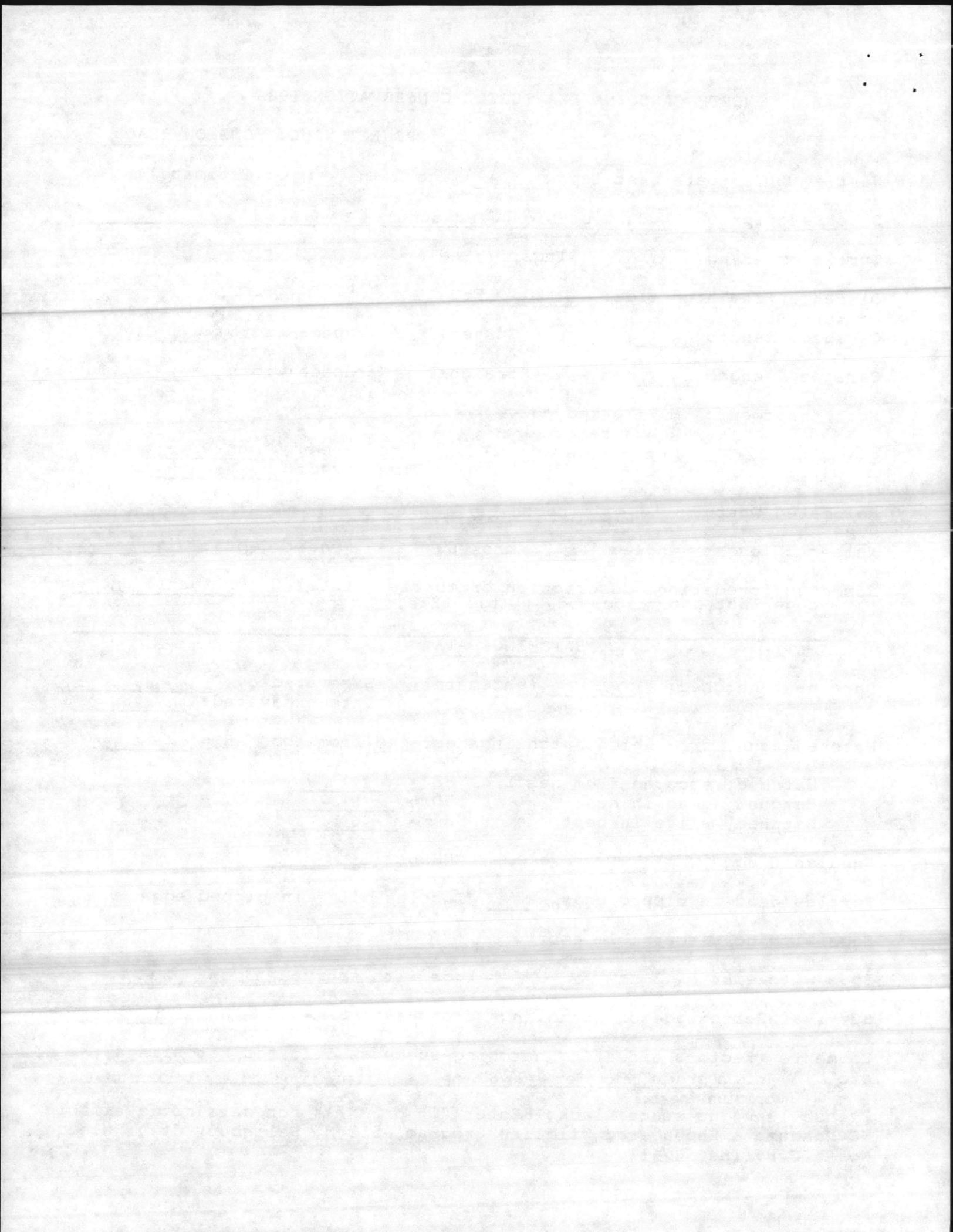
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > .3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{121 + 46}{175} = \underline{88\%}$

Comments (factors affecting hatching success, deformed hatchlings, etc..) This nest was relocated 8/23/87 due to military training activities around original nest.

Please leave no space blank. Enter "0" or "N/A" for data not available
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NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ON SLOW BEACH

Nest # 91 Date nest laid 8/6/87 Time laid 2330 (estimate)

Site Description 2.07 miles north of Riseley's Pier at base of steep 6' du

Turtle observed N Tags N

Distance from high tide: 20 Ft.

Carapace length 44 in. (Curved) Carapace width 41 in.

Carapace length 42 in. (Straight) Carapace width 31 in.

Nest treatment: M = Marked only

= Wire cage

= Relocated

H = Hatchery

Time moved: 0125-0200

Time moved: _____

Relocated where? 0.6 miles north of Riseley's Pier in low dunes

Number of eggs: whole: 136 broken: 0 nest depth: 15 in.

Comments (predation, description of turtle, etc..) CC w/tags 221 & 212
return of N#60 (size 1.75 - 1.80 inches)

HATCHING DATA

Date nest hatched: 10/19/87 (estimate?)

Excavated by: A.C. HENRY, JR.

Date excavated: 10/22-23/87

Hatched eggs, from which hatchlings escaped from egg H = 110

Hatched, escaped from nest HE = 60

Hatched, dead in nest HD = 5

Hatched, alive in nest HA = 45

Unhatched eggs UH = 26

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

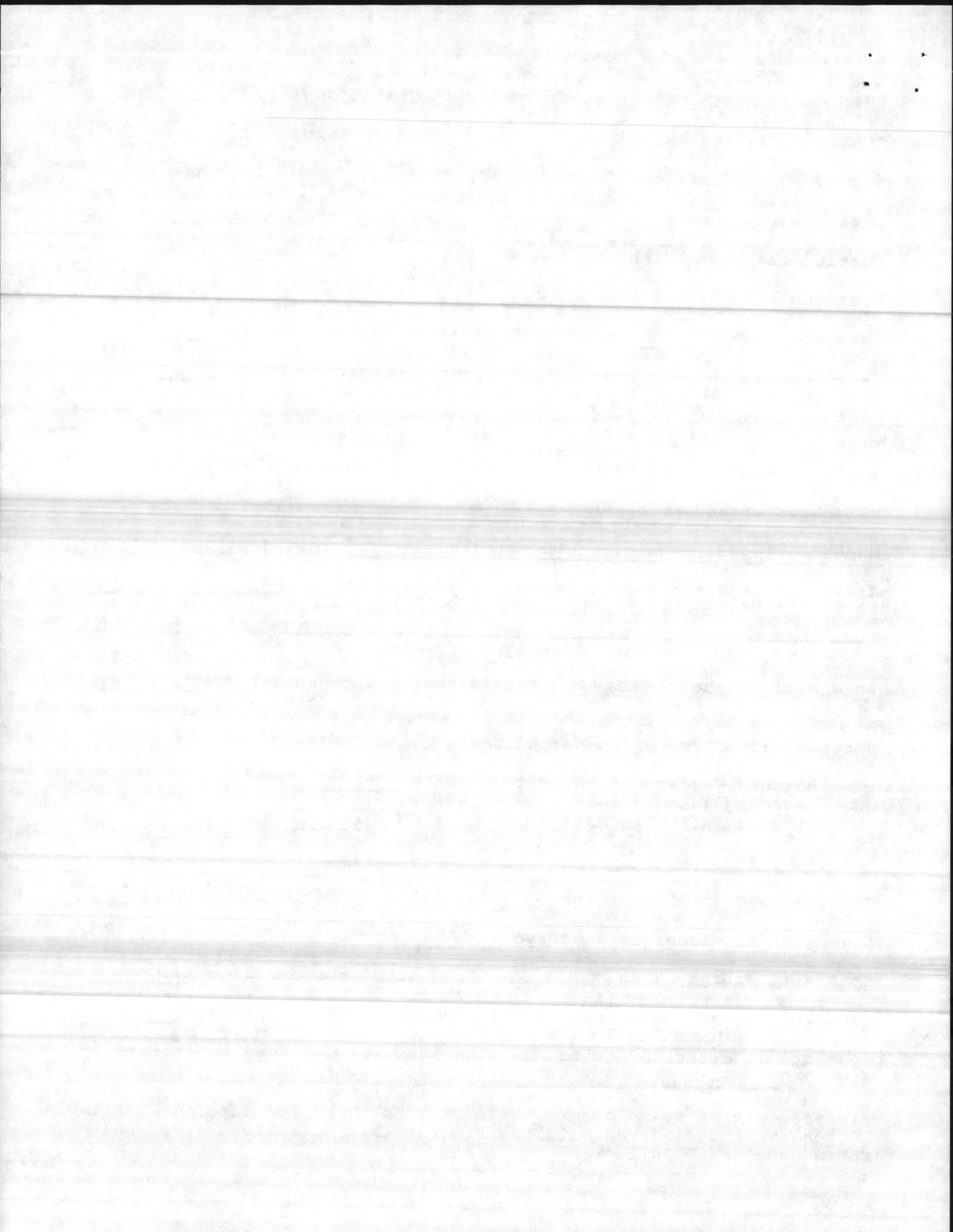
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{60 + 45}{110 + 26} = \underline{77\%}$

Comments (factors affecting hatching success, deformed hatchlings, etc..) Late nest, weather cool - cold.

Please leave no space blank. Enter "0" or "N/A" for data not available
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NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ON SLOW BEACH

Nest # 100 Date nest laid 8/9/87 Time laid 0220 (estimate)

Site Description 1.95 miles north of Riseley's Pier, at base of 10' dune

Turtle observed N Tags N

Distance from high tide: 90 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

= Wire cage

= Relocated

H = Hatchery

Time moved: 0630-0730

Time moved: _____

Relocated where? .3 miles north of Riseley's Pier

Number of eggs: whole: 147 broken: 0 nest depth: 20 in.

Comments (predation, description of turtle, etc..) 1.6 inch eggs. (lost to #218 during the process) 79° F, 147 total eggs, none broken/Tag #071 (See FC#26/6/25

HATCHING DATA

Date nest hatched: 10/20/87 ^{Started} (estimate?) Excavated by: A.C. HENRY JR.
Date excavated: 11/13/87

Hatched eggs, from which hatchlings escaped from egg H = 117

Hatched, escaped from nest HE = 3

Hatched, dead in nest HD = 25

Hatched, alive in nest HA = 89

Unhatched eggs UH = 30

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

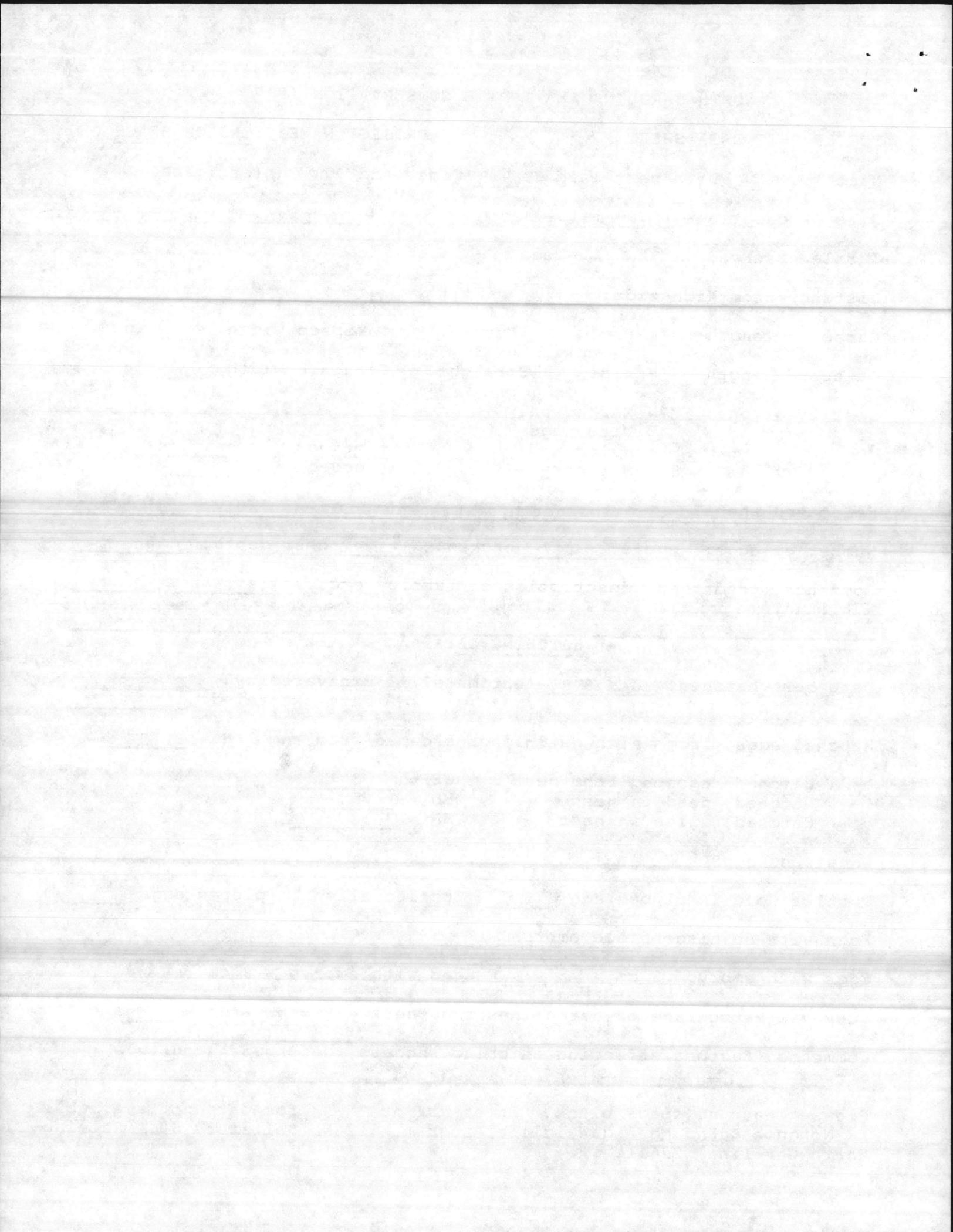
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{3 + 89}{117 + 30} = \underline{63\%}$

Comments (factors affecting hatching success, deformed hatchlings, etc..) Late nest hatching, weather cold.

Please leave no space blank. Enter "0" or "N/A" for data not available
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NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ONSLOW BEACH

Nest # 101 Date nest laid 8/9/87 Time laid 0320 (estimate)

Site Description 1.3 miles north of Riseley's Pier. in lighted, congested area.

Turtle observed (Y) N Tags Y (N)

Distance from high tide: 40 Ft.

Carapace length 36 in. (Curved) Carapace width 33 in.

Carapace length 32 in. (Straight) Carapace width 23 1/2 in.

Nest treatment: M = Marked only

(W) = Wire cage

(R) = Relocated

H = Hatchery

Time moved: 0400-0430

Time moved: _____

Relocated where? .25 miles north of Riseley's Pier

Number of eggs: whole: 94 broken: 0 nest depth: 18 in.

Comments (predation, description of turtle, etc..) Egg size 1.5 and 1.6 in
79° F nest temp. 94 total eggs, none broken

HATCHING DATA

Date nest hatched: 10/17/87 (estimate?) Excavated by: A.C. HENRY, JR.

Date excavated: 10/19/87

Hatched eggs, from which hatchlings escaped from egg H = 81

Hatched, escaped from nest HE = 46

Hatched, dead in nest HD = 8

Hatched, alive in nest HA = 27

Unhatched eggs UH = 13

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

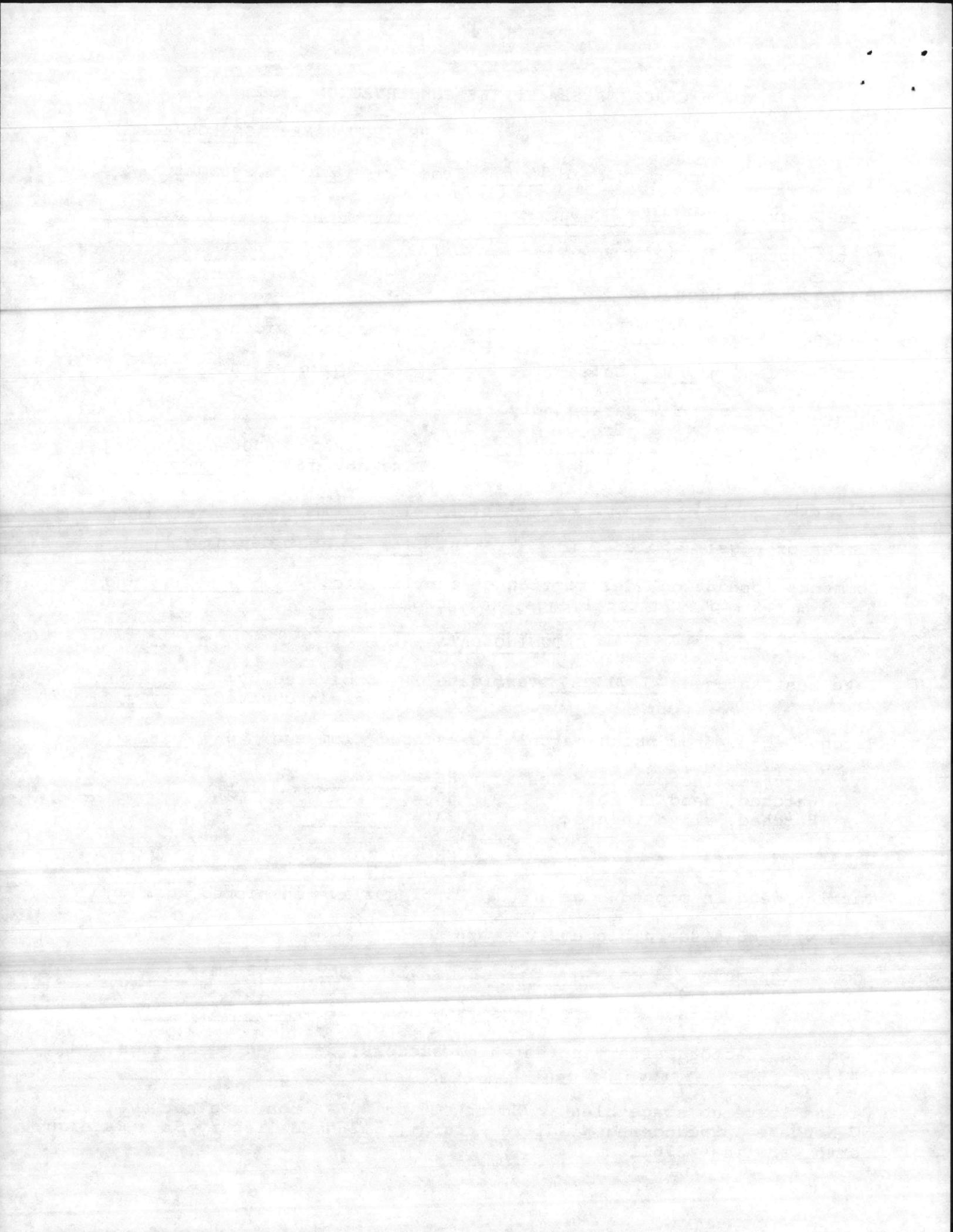
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{46 + 27}{81 + 13} = \underline{78\%}$

Comments (factors affecting hatching success, deformed hatchlings, etc..) Weather turning cool

Please leave no space blank. Enter "0" or "N/A" for data not available
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NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ONSLOW BEACH

Nest # 104 Date nest laid 8/11/87 Time laid 0135 (~~XXXXXX~~ ^{ACTUAL})

Site Description 1.2 miles south of Riseley's Pier. Air temp 78° F

Turtle observed N Tags Y N

Distance from high tide: 30 Ft.

Carapace length 40 in. (Curved) Carapace width 37 1/2 in.

Carapace length 37 in. (Straight) Carapace width 27 in.

Nest treatment: M = Marked only

W = Wire cage

R = Relocated

H = Hatchery

Time moved: Remove 0312 - Bury 0345

Time moved: _____

Relocated where? 0.5 miles north of Riseley's Pier

Number of eggs: whole: 102 broken: 0 nest depth: 18 in.

Comments (predation, description of turtle, etc..) Egg size 1.55 - 1.75"
32" track CC with no tags.
 Lots of trouble with tags-ended up with AAR-222 in left & 224 in right flipper. Neither ir
 very good. Turtle made a long 250' crawl with a nest started 20' closer to water.

HATCHING DATA

Date nest hatched: 10/27/87 (estimate?) Excavated by: A.C. HENRY, JR.

Date excavated: 11/10/87

Hatched eggs, from which hatchlings escaped from egg H = 88

Hatched, escaped from nest HE = 8

Hatched, dead in nest HD = 6

Hatched, alive in nest HA = 74

Unhatched eggs UH = 14

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

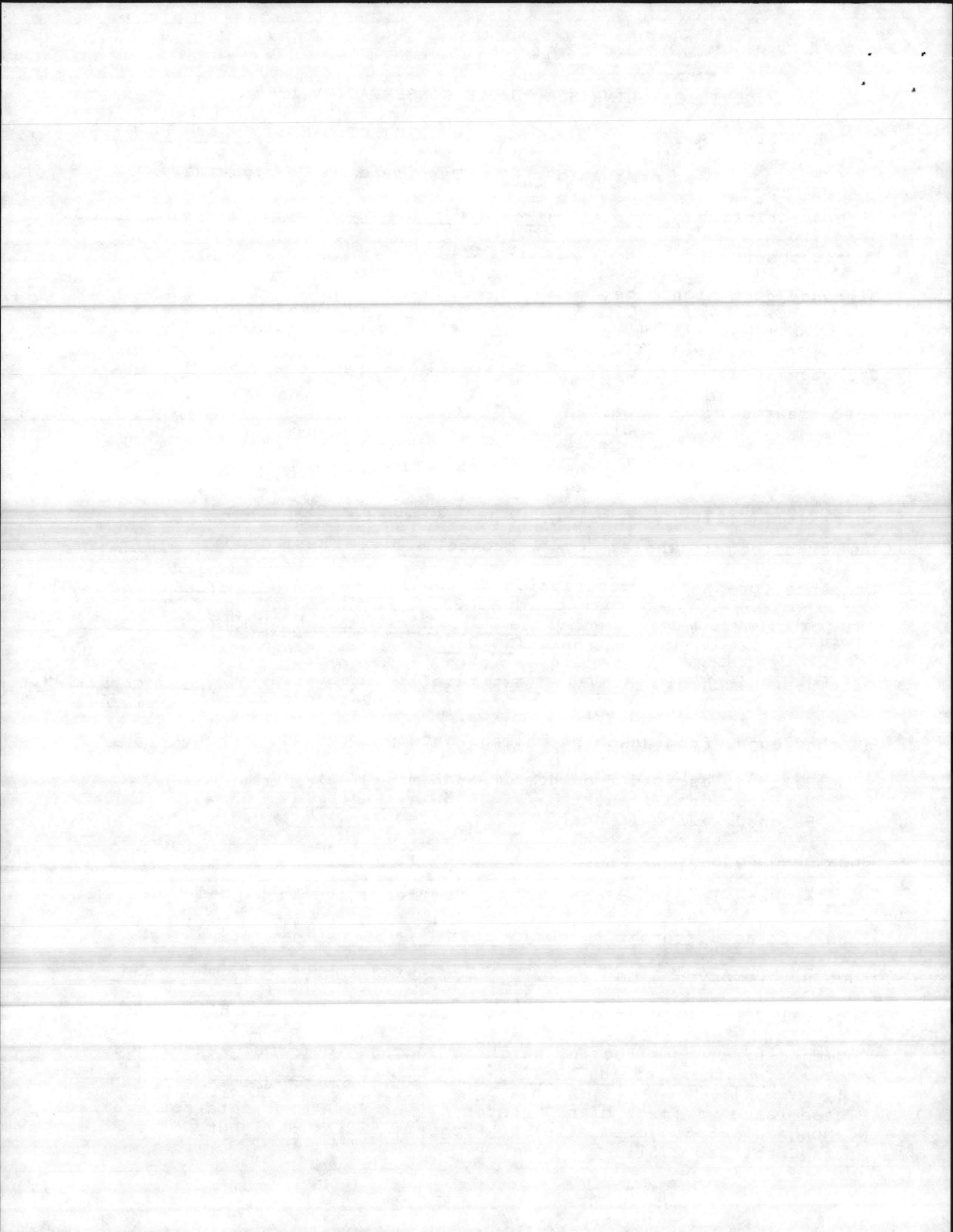
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \underline{80\%}$

Comments (factors affecting hatching success, deformed hatchlings, etc..) Weather turning cool

Please leave no space blank. Enter "O" or "N/A" for data not available
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NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ON SLOW BEACH

Nest # 113 Date nest laid 8/13/87 Time laid 0215 (~~XXXXXXXXXX~~ ^{ACTUAL} ~~estimate~~)

Site Description 2.38 miles south of Riseley's Pier on top of low dune 75°
(EGG SIZE 1.75 - 1.90 mostly 1.85 in.)

Turtle observed N Tags N

Distance from high tide: 30 Ft.

Carapace length 46 1/4 in. (Curved) Carapace width 44 1/2 in.

Carapace length 43 1/2 in. (Straight) Carapace width 37 1/2 in.

Nest treatment: M = Marked only
 W = Wire cage
 R = Relocated
H = Hatchery

Time moved: 0330-0355
Time moved: _____

Relocated where? 0.45 miles north of Riseley's Pier

Number of eggs: whole: 162 broken: 1 nest depth: 20 in.

Comments (predation, description of turtle, etc..) Return of #58 & 88 CM tag #207 missing - Add Tag #AAR-225 left flipper.

HATCHING DATA

Date nest hatched: 10/27/87 (estimate?) Excavated by: A.C. HENRY, JR.
Date excavated: 10/28/87

Hatched eggs, from which hatchlings escaped from egg: H = 139

Hatched, escaped from nest	HE = <u>43</u>
Hatched, dead in nest	HD = <u>50</u>
Hatched, alive in nest	HA = <u>46</u>

Unhatched eggs UH = 23

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

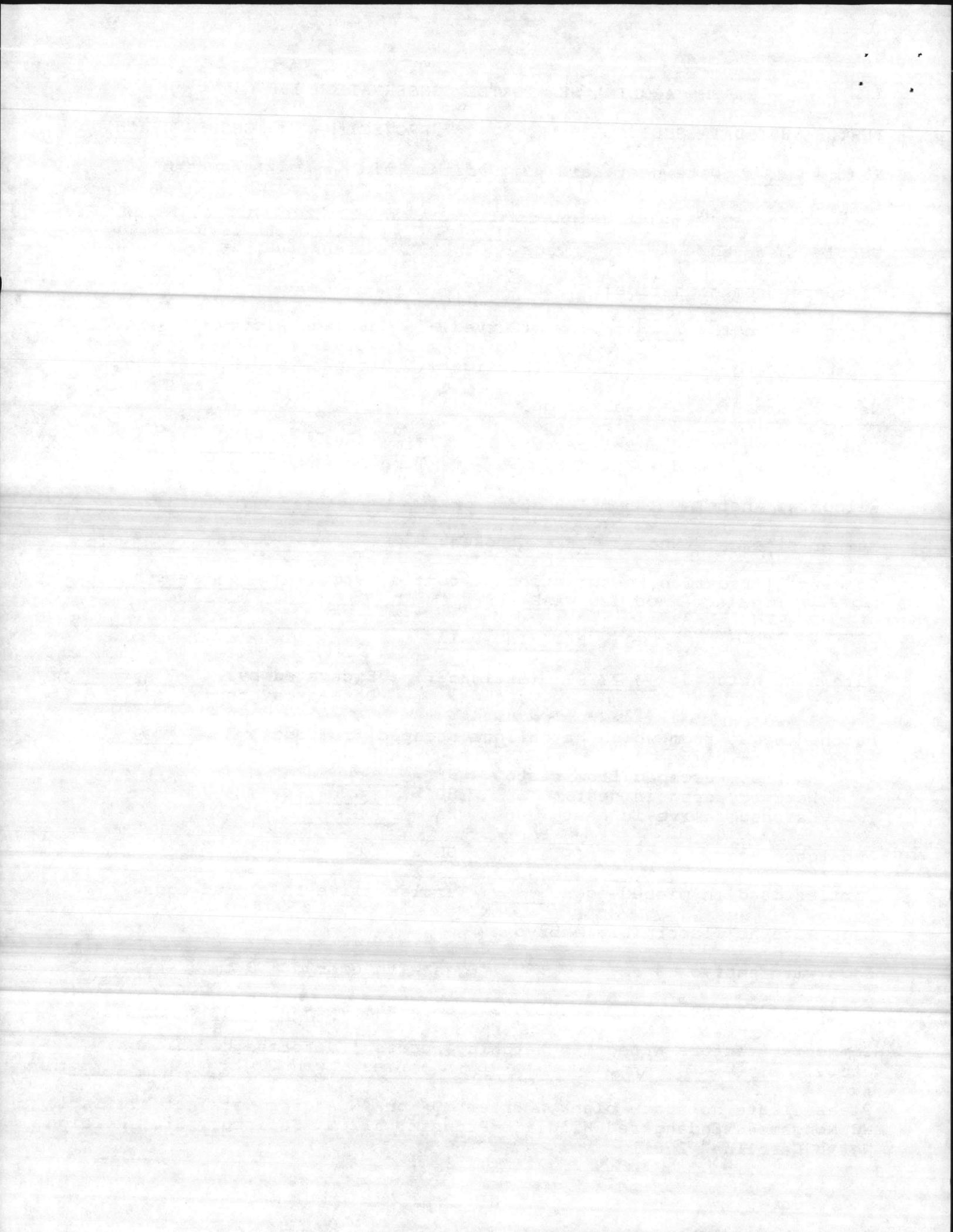
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{43 + 46}{139 + 23} = \underline{55\%}$

Comments (factors affecting hatching success, deformed hatchlings, etc..) The 50 dead were found at the top of the nest & w/in 20' of nest. Cold weather

got most of them.
Please leave no space blank. Enter "0" or "N/A" for data not available
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NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ONslow BEACH

Nest # 118 Date nest laid 8/20/87 Time laid 2330 (estimate)

Site Description 3.1 miles north of Riseley's Pier

Turtle observed Y (N) Tags Y N

Distance from high tide: 35 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: 0730 (8/21/87)

Time moved: _____

Relocated where? 2.0 miles north of Riseley's Pier

Number of eggs: whole: 114 broken: 0 nest depth: 21 in.

Comments (predation, description of turtle, etc..) Turtle only came halfway up the beach seemed to be in a hurry.

HATCHING DATA

Unhatched after
Date nest hatched: 85 days (estimate?)

Excavated by: A.C. HENRY JR.

Date excavated: 11/13/87

Hatched eggs, from which hatchlings escaped from egg H = 0

Hatched, escaped from nest HE = 0

Hatched, dead in nest HD = 0

Hatched, alive in nest HA = 0

Unhatched eggs UH = 114

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

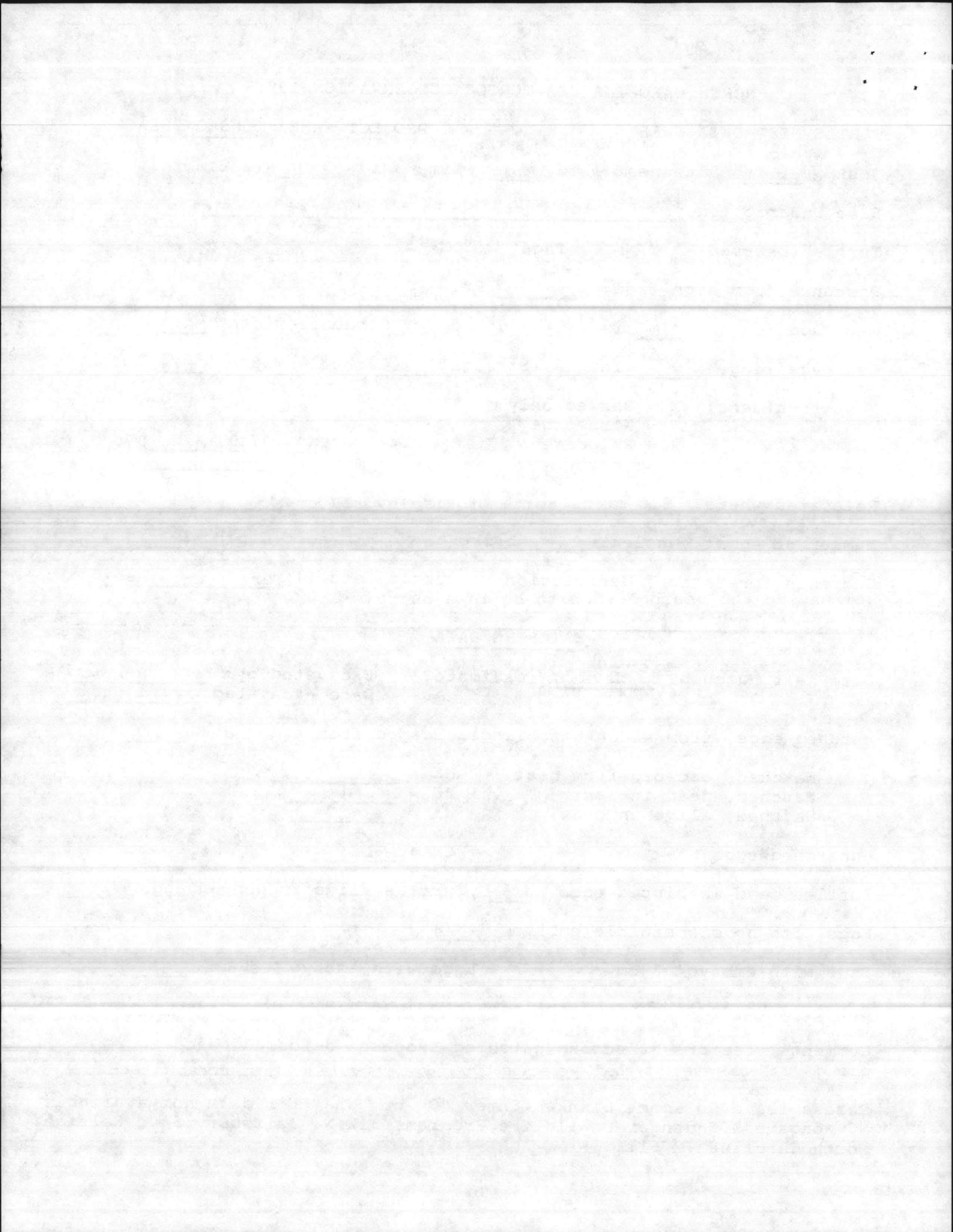
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \underline{0} \%$

Comments (factors affecting hatching success, deformed hatchlings, etc..) Nest never hatched - checked after 85 days cold weather probably hurt hatching success.

Please leave no space blank. Enter "0" or "N/A" for data not available
NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleigh,
North Carolina 27611.



NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ON SLOW BEACH

Nest # 122 Date nest laid N/A Time laid N/A (estimate)

Site Description Next to Officer's pavilion

Turtle observed Y 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: _____
 Time moved: _____

Relocated where? N/A

Number of eggs: whole: N/A broken: N/A nest depth: N/A

Comments (predation, description of turtle, etc..) Nest never located, only found hatched out turtles, 3 dead, 3 alive.

HATCHING DATA

Date nest hatched: 8/24/87 (estimate?) Excavated by: N/A
 Date excavated: _____

Hatched eggs, from which hatchlings escaped from egg H = 6 (estimate)

Hatched, escaped from nest	HE = <u>6 est.</u>
Hatched, dead in nest	HD = <u>N/A</u>
Hatched, alive in nest	HA = <u>N/A</u>

Unhatched eggs UH = N/A

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

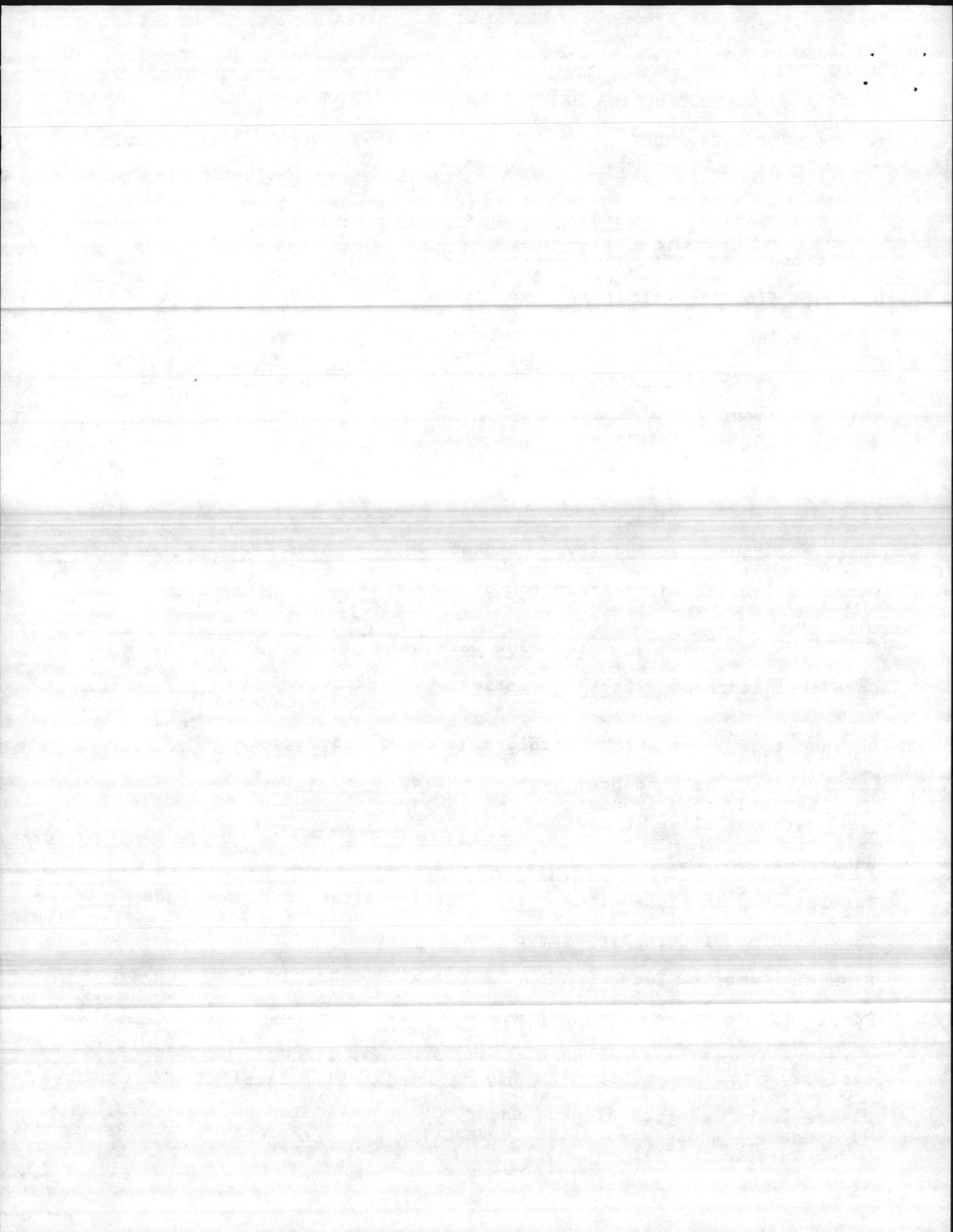
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{6 + 0}{6 + 0} = \underline{50} \%$

Comments (factors affecting hatching success, deformed hatchlings, etc..) Nest never located, only hatched turtles found, 3 dead, 3 alive.

Please leave no space blank. Enter "0" or "N/A" for data not available
 NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleigh,
 North Carolina 27611.



NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ONSLOW BEACH

Nest # 123 Date nest laid 8/28/87 Time laid 0100 (estimate)

Site Description 150' from HT line between two patches of trees.

Turtle observed Y N Tags Y N

Distance from high tide: 150 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: 0930

Time moved: _____

Relocated where? .2 miles north of Riseley's Pier

Number of eggs: whole: 165 broken: 0 nest depth: 36 in.

Comments (predation, description of turtle, etc..) Deep nest, huge hole dug to cover up eggs.

HATCHING DATA

Date nest hatched: Unhatched (estimate?) Excavated by: A.C. HENRY, JR.

Date excavated: 11/17/87

Hatched eggs, from which hatchlings escaped from egg H = 0

Hatched, escaped from nest HE = 0

Hatched, dead in nest HD = 0

Hatched, alive in nest HA = 0

Unhatched eggs UH = 165

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

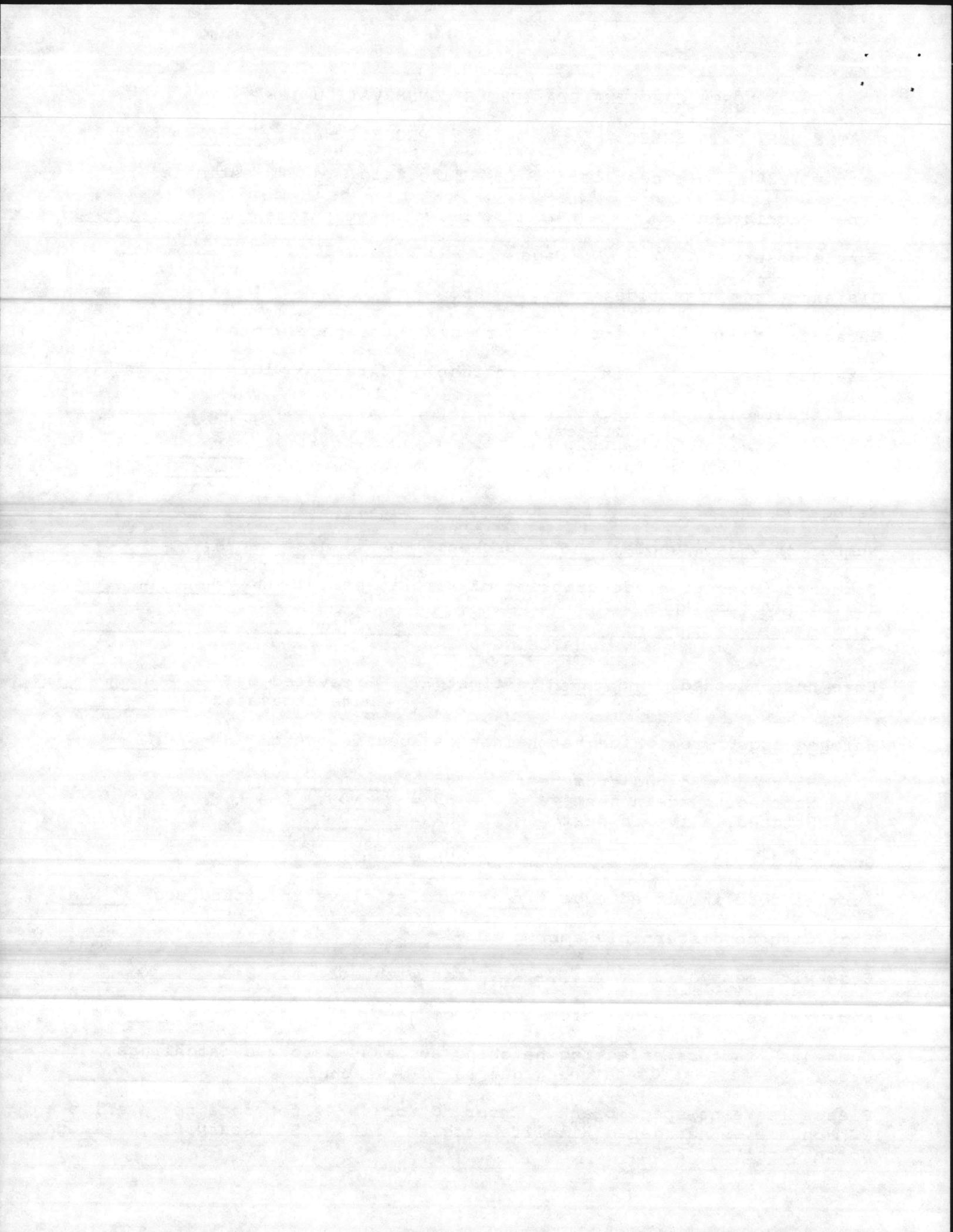
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \underline{0} \%$

Comments (factors affecting hatching success, deformed hatchlings, etc..) Late nest 0% hatching due to cold weather.

Please leave no space blank. Enter "0" or "N/A" for data not available
NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleigh,
North Carolina 27611.



NORTH CAROLINA SEA TURTLE CONSERVATION 1987

TURTLE NEST DATA SHEET

PROJECT NAME: ONSLow BEACH

Nest # 125 Date nest laid N/A Time laid N/A (estimate)

Site Description About 400 yards north of N. Tower at base of sand dune

Turtle observed Y N Tags Y N

Distance from high tide: 30 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: _____
 Time moved: _____

Relocated where? N/A

Number of eggs: whole: 156 broken: N/A nest depth: 28 in.

Comments (predation, description of turtle, etc..) Nest found hatching on 10/8/87 400 yards north of North Tower.

HATCHING DATA

Date nest hatched: 10/8/87 (estimate?) Excavated by: A.C. HENRY, JR. DANNY JONES
 Date excavated: 10/8/87

Hatched eggs, from which hatchlings escaped from egg H = 126

Hatched, escaped from nest	HE =	<u>85</u>
Hatched, dead in nest	HD =	<u>5</u>
Hatched, alive in nest	HA =	<u>36</u>

Unhatched eggs UH = 30

Turtles dead in pipped eggs N/A Turtles alive in pipped eggs N/A

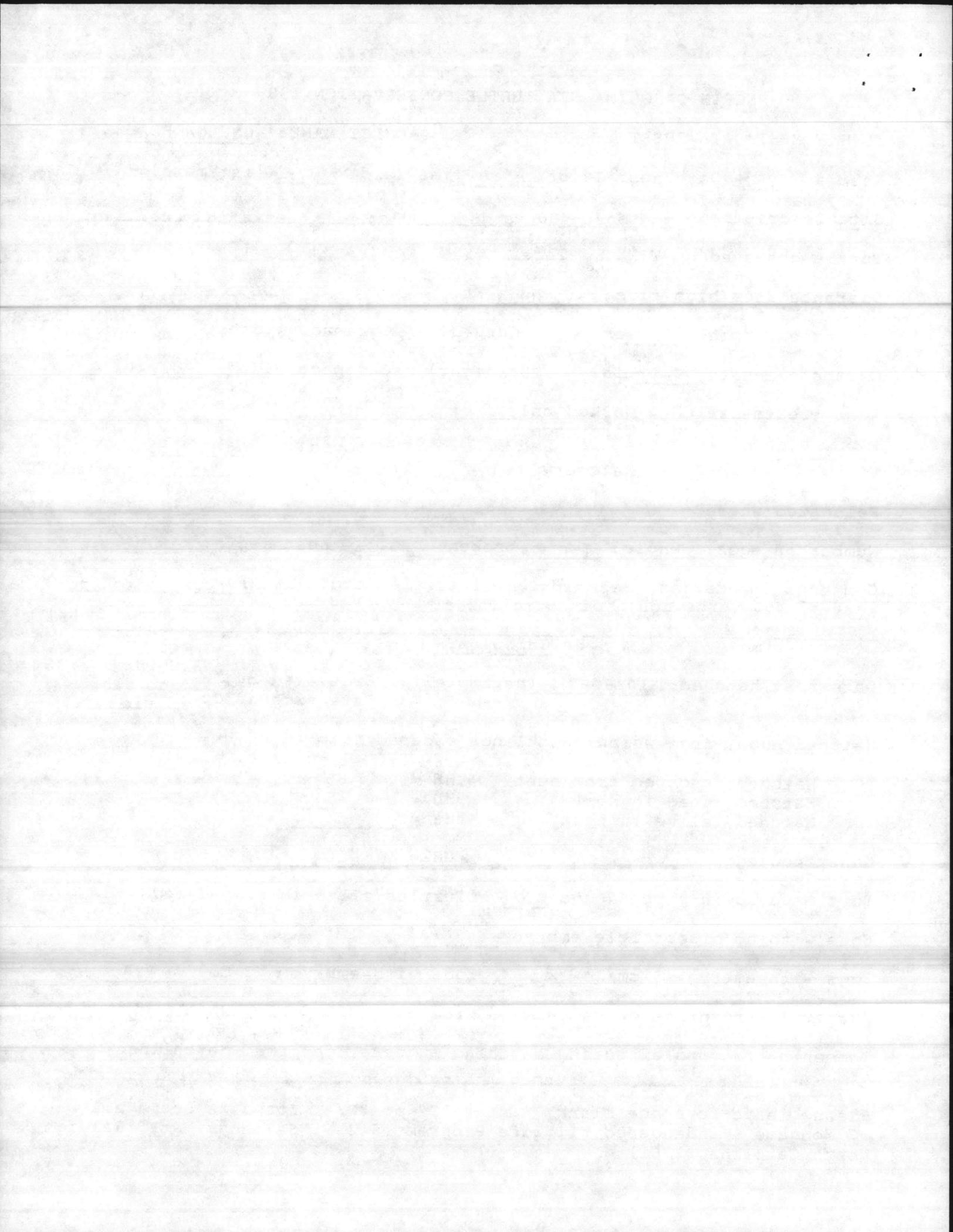
Eggs with no discernible embryo N/A

Eggs with embryo < 3 cm N/A Eggs with embryo > 3 cm N/A

Survival Percentage of hatchlings from nest $SP = \frac{HE + HA}{H + UH} = \frac{121}{156} = \underline{78\%}$

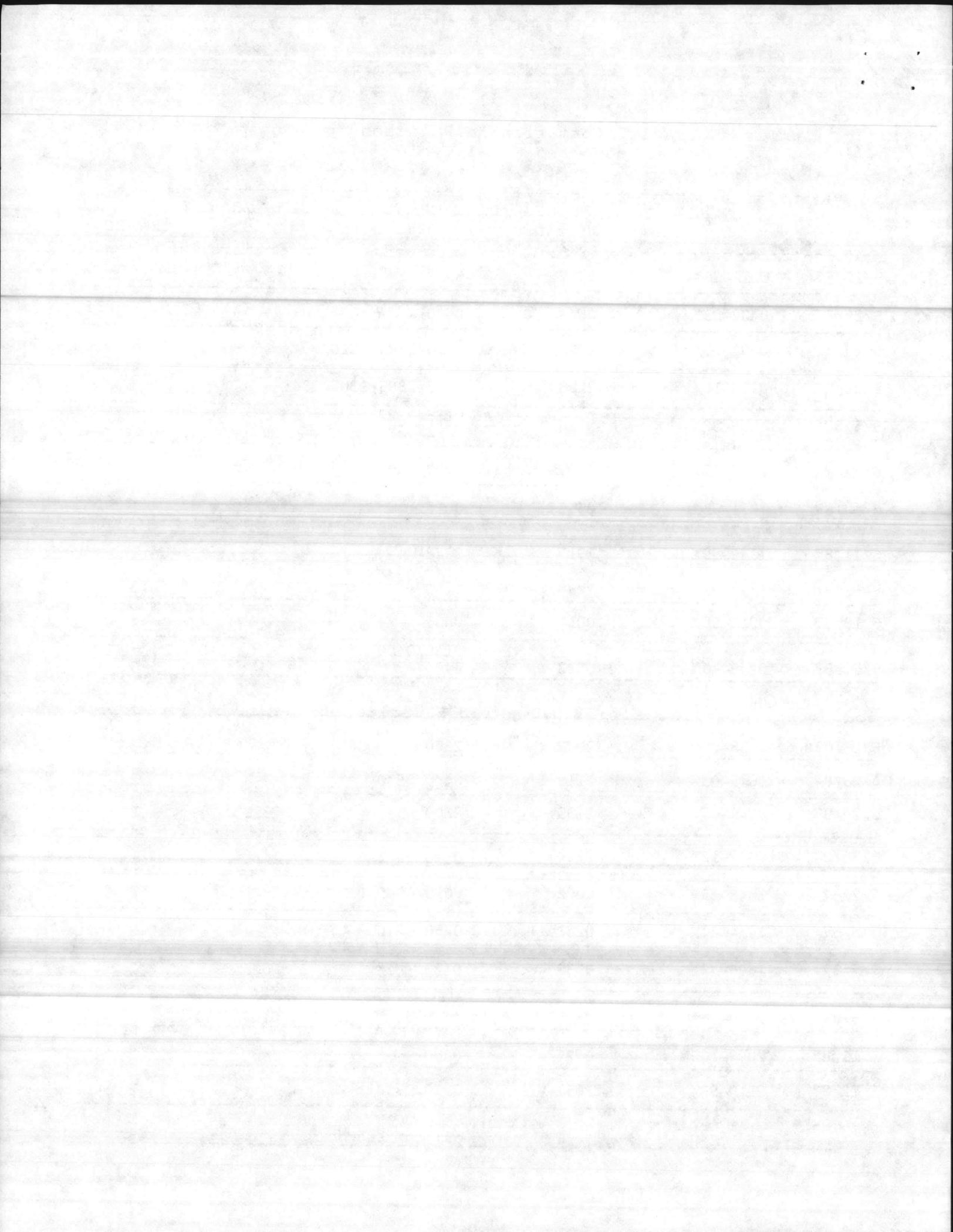
Comments (factors affecting hatching success, deformed hatchlings, etc..) This nest was found hatching during morning beach patrol

Please leave no space blank. Enter "0" or "N/A" for data not available
 NC Nongame & Endangered Wildlife Program, 512 N. Salisbury St., Raleigh,
 North Carolina 27611.



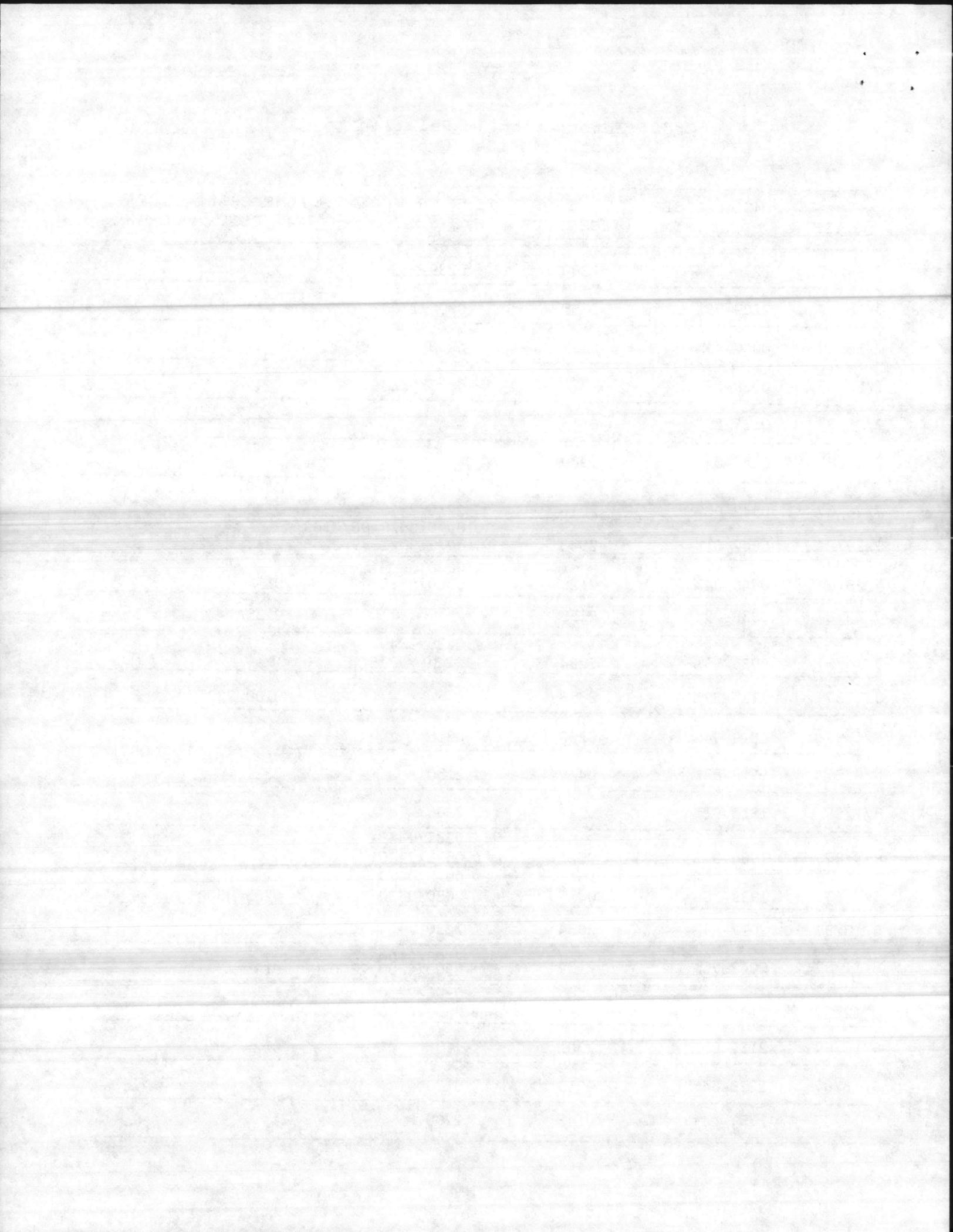
Crawl Information In Relation to
Moon and Tidal Cycle

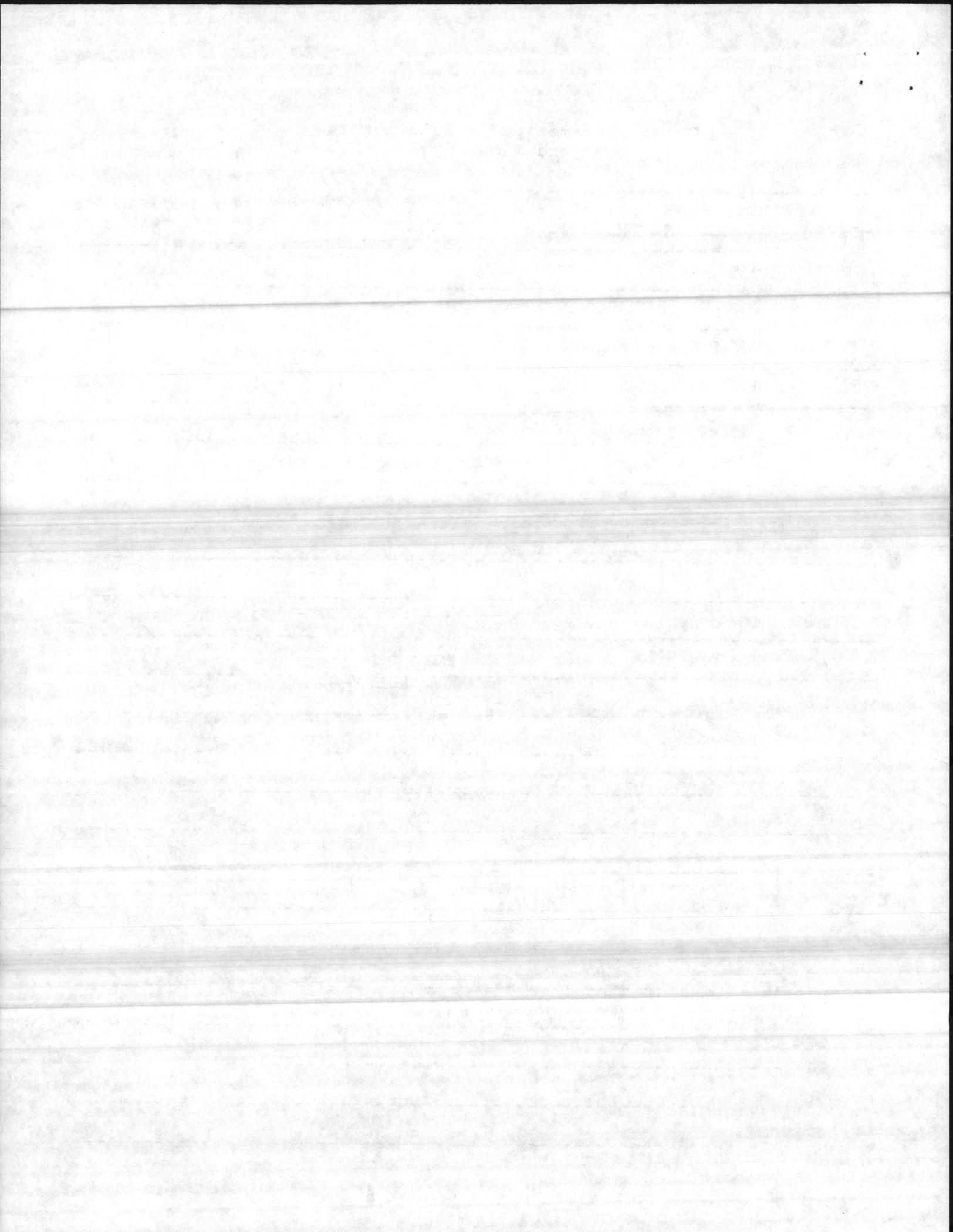
DATE	MOON RISE % ILLUMIN	TIME OF HIGH TIDE	TIME CRAWL W/O NEST	TIME CRAWL W/NEST	TOTAL CRAWLS
5/22/87	0211-30%	0322	0322		1
5/26/87	0402-03%	0643	0600		1
5/30/87	0701-05%	2220	2220/2220/2220		3
5/31/87	0758-10%	2223	2305/2305/2305/2345		4
6/5/87	1253-52%	0126	0126/0222 0222/0222	0126	5
6/8/87	1604-81%	0409	0409/0409		2
6/10/87	1831-95%	0555	0012		1
6/11/87	1946-99%	1917	2328		1
6/17/87	2400-66%	0001	0157/0345 0350		3
6/18/87	0015-55%	0051	0355		1
6/23/87	0238-10%	0533	0130/0400 0400		3
6/25/87	0403-02%	1923	2233		1
6/26/87	0455-00%	2002	2100/2300 2300		3
6/28/87	0649-03%	2118	0440/2340		2
6/29/87	0749-07%	2155	2300	2350	2
6/30/87	0847-12%	2234	0130		1
7/2/87	1043-27%	0002	0030/0045		2
7/6/87	1454-67%	0231	0250/2210		2
7/7/87	1606-77%	0332	0120	0003	2
7/8/87	1720-86%	0435		0110/0130	2
7/11/87	2027-100%	0725	0400		1
7/12/87	2110-99%	2051	2350/2350		2
7/13/87	2145-95%		2200/2230/2300		3



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
7/15/87	2243-79%	2330	0239/2300	0325	3
7/16/87	2309-70%	2355	0005/2300		2
7/18/87	0000-49%	0115	0230		1
7/20/87	0039-29%	0320	0015/0320		2
7/21/87	0117-20%	0415		2350	1
7/24/87	0345-03%	1900		2255	1
7/26/87	0542-00%	2016	2200 2215/2230	0130	4
7/27/87	0642-01%	2043	0100/0100/0100/0100 0130/2130/2349/2255	2249	9
7/28/87	0740-04%	2125	0000 0000/0315	0155	4
7/29/87	0838-09%	2155		0135	1
7/30/87	0935-15%	2234	0230/2345 2230 /2315		4
8/1/87	1135-32%	2358		0100/2300	2
8/5/87	1610-74%	0307	0315		1
8/6/87	1716-83%	0417	2150	2330	2
8/7/87	1813-91%	0522	2300		1
8/8/87	1900-97%	0621	0335/0435 0530/2230		4
8/9/87	1939-100%	0717	0015/0020 0030/0330	0205/0300	6
8/10/87	2012-99%	2034	2230		1
8/11/87	2042-96%	2124	2100/2100 2300/2300/2300	0135	6
8/12/87	2109-91%	2212	0200/2230 2300/2300/2300		5
8/13/87	2137-83%	2301		0125	1
8/15/87	2238-64%	0053	0100		1
8/17/87	2357-44%	0143	2200		1





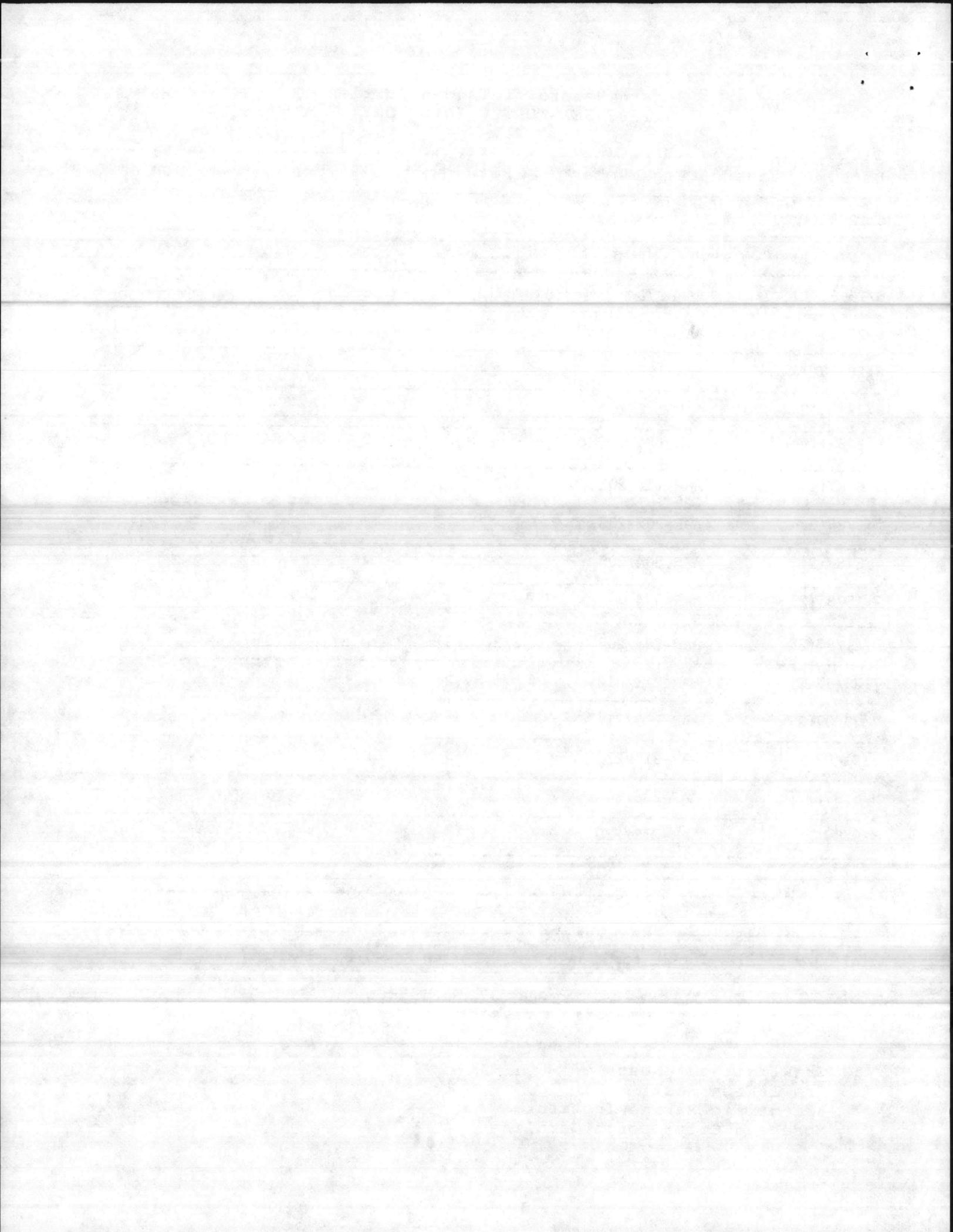
Return Record of Tagged Turtles
1987 SEA-TURTLE INVENTORY

Date	Tagged	Tag Number	Return	Return	Return
6/12/87(1)		817	7/27/87(2)		
6/17/87(1)	MFS, MIAMI, FL				
6/25/87(1)	AAR-071	(a) 8/9/87(2)		8/22/87(1)	
6/27/87(1)	AAR-196/197				
6/28/87(1)	AAR-198				
6/29/87(2)	AAR-199/200				
7/2/87(1)	AAR-119		7/28/87(2)		
7/6/87(1)	AAR-105/201		7/7/87(1)	7/8/87(2)	7/31/87(1)
7/7/87(2)	AAR-202/203				
7/8/87(2)	AAR-204/205				
7/15/87(2)	AAR-074				
7/21/87(2)	AAR-207/208		8/2/87(3)	(b) 8/13/87(2)	
7/26/87(2)	AAR-211/212		8/6/87(2)		
7/29/87(2)	AAR-213/214				
7/31/87(2)	AAR-215/216				
8/6/87(1)	AAR-206/209				
8/9/87(2)	AAR-219/220				
8/11/87(2)	AAR-222/224				

(a) 8/9/87(2) - Turtle found iwth only one tag AAR-071, added tag AAR-217

(b) 8/13/87(2) - Turtle lost tag AAR-207, Retagged with AAR-225

- (1) Crawl Without Nest
- (2) Crawl With Nest
- ** Scientific Marine Institute
Morehead City, North Carolina



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 817 Species CC Date Encountered 6/12/87

(list all tag #'s
and letters) Morehead City; IMS

Describe location encountered: 1.9 miles north of Riseley's Pier,
Camp Lejeune, North Carolina Crawl #18.

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) Institute of
Marine Science, Morehead City, North Carolina

Carapace length (straight line) _____ cm 36 in.

Carapace width (straight line) _____ cm 27 in.

Carapace length (over curve) _____ cm 38 in.

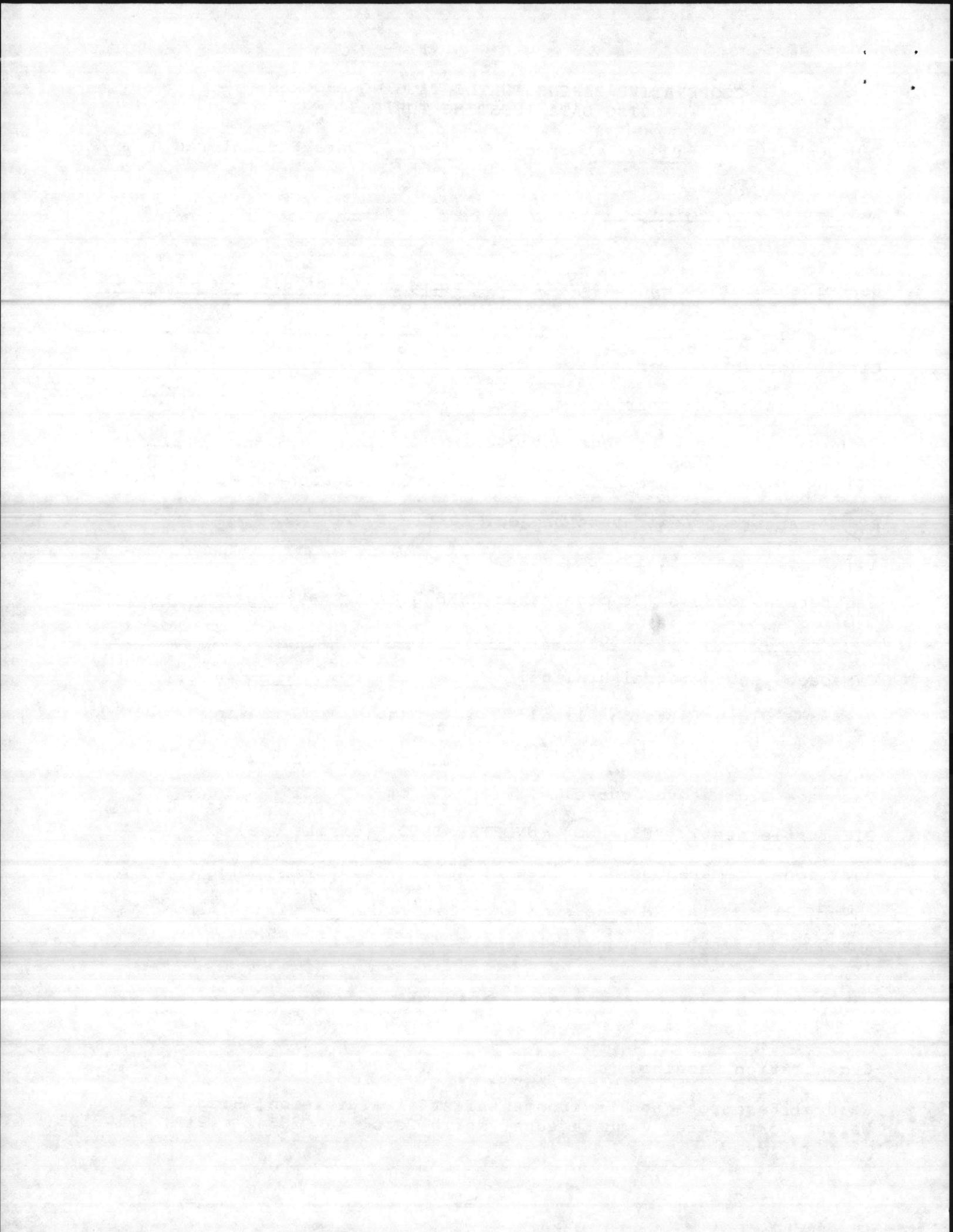
Carapace width (over curve) _____ cm 35 in.

Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Turtle was digging
nest when disturbed - No eggs were laid. Tag on right flipper is
buried in flesh and can't be read.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) MFS, Miami, FL Species CC Date Encountered 6/17/87

(list all tag #'s
and letters) _____

Describe location encountered: 2.6 miles south of Riseley's Pier,
Crawl #20

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) Miami, Florida

Carapace length (straight line) _____ cm 44 in.

Carapace width (straight line) _____ cm 32 in.

Carapace length (over curve) _____ cm 52 in.

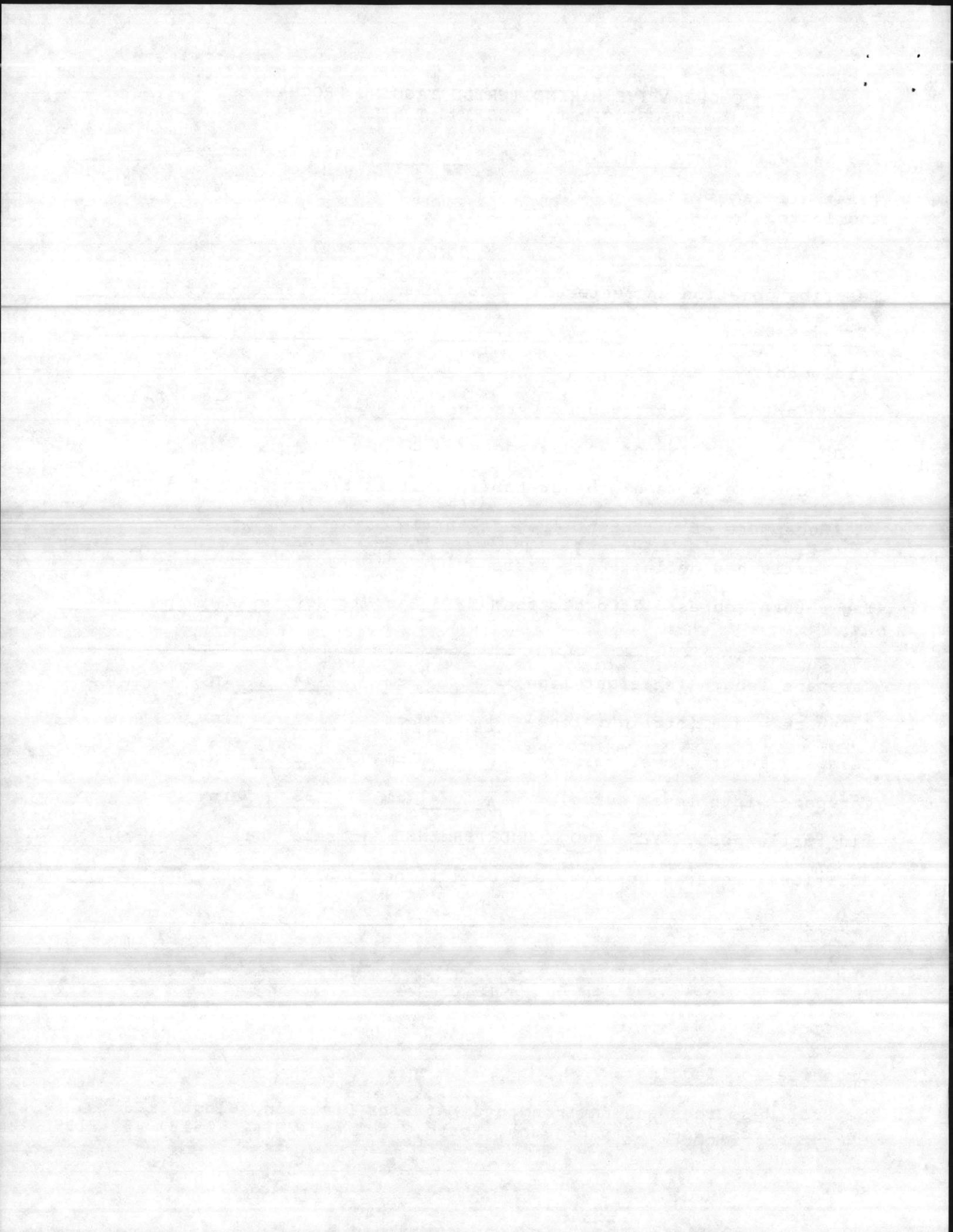
Carapace width (over curve) _____ cm 39 in.

Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Turtle had made
the cavity, but no eggs were laid.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 071 Species CC Date Encountered 6/25/87

(list all tag #'s
and letters) AAR

Describe location encountered: 1.8 miles north of Riseley's Pier,
Crawl #26

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) Miami, Florida

Carapace length (straight line) _____ cm 43 in.

Carapace width (straight line) _____ cm 30 in.

Carapace length (over curve) _____ cm 47 in.

Carapace width (over curve) _____ cm 43 in.

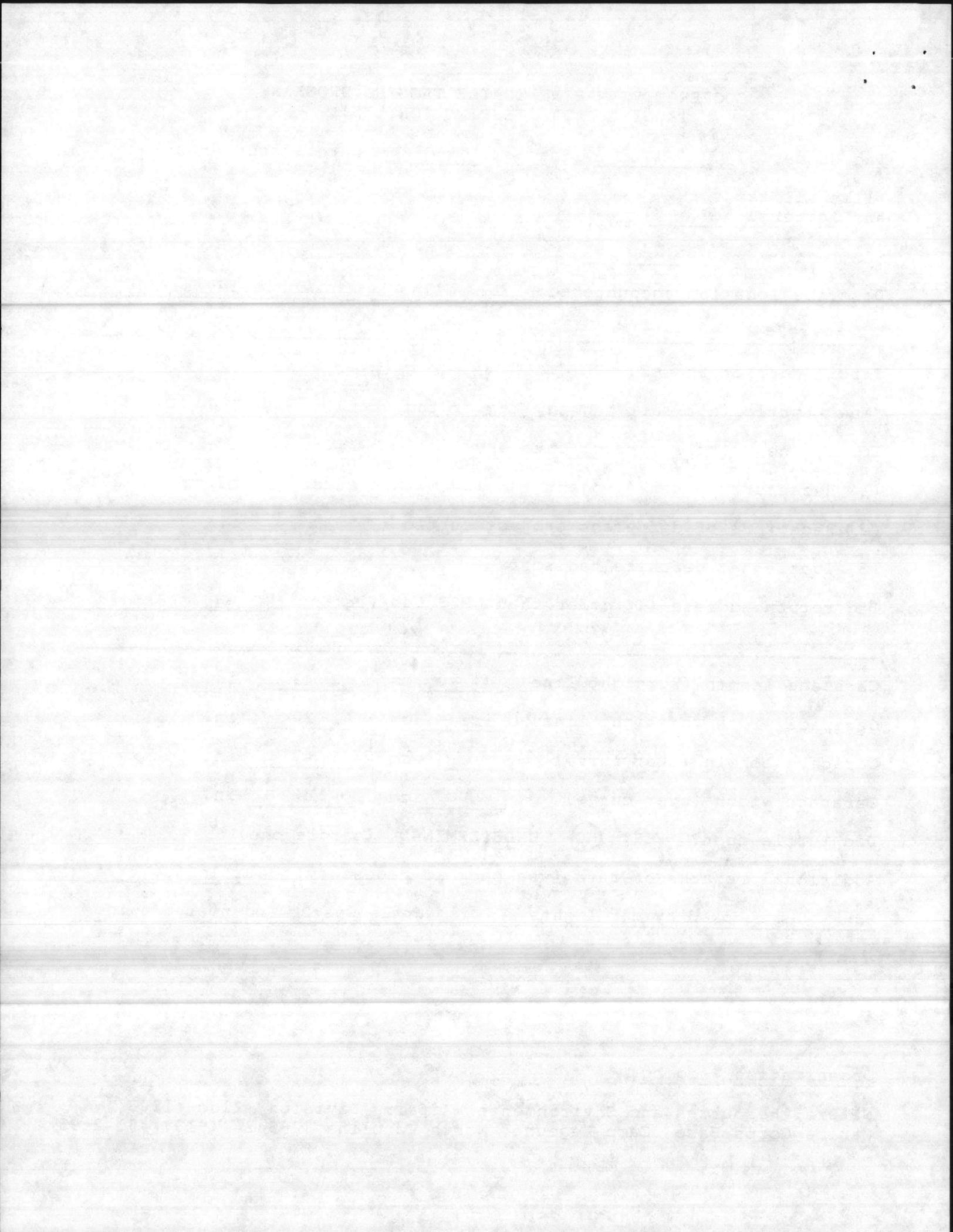
Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Turtle dug cavity,

but was spooked by car lights. This turtle was up and nested twice
in 1985.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 196/197 Species CC Date Encountered 6/27/87

(list all tag #'s
and letters) AAR

Describe location encountered: 1.2 miles south of Riseley's Pier.

Crawl #30

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 38 in.

Carapace width (straight line) _____ cm 29 in.

Carapace length (over curve) _____ cm 40 in.

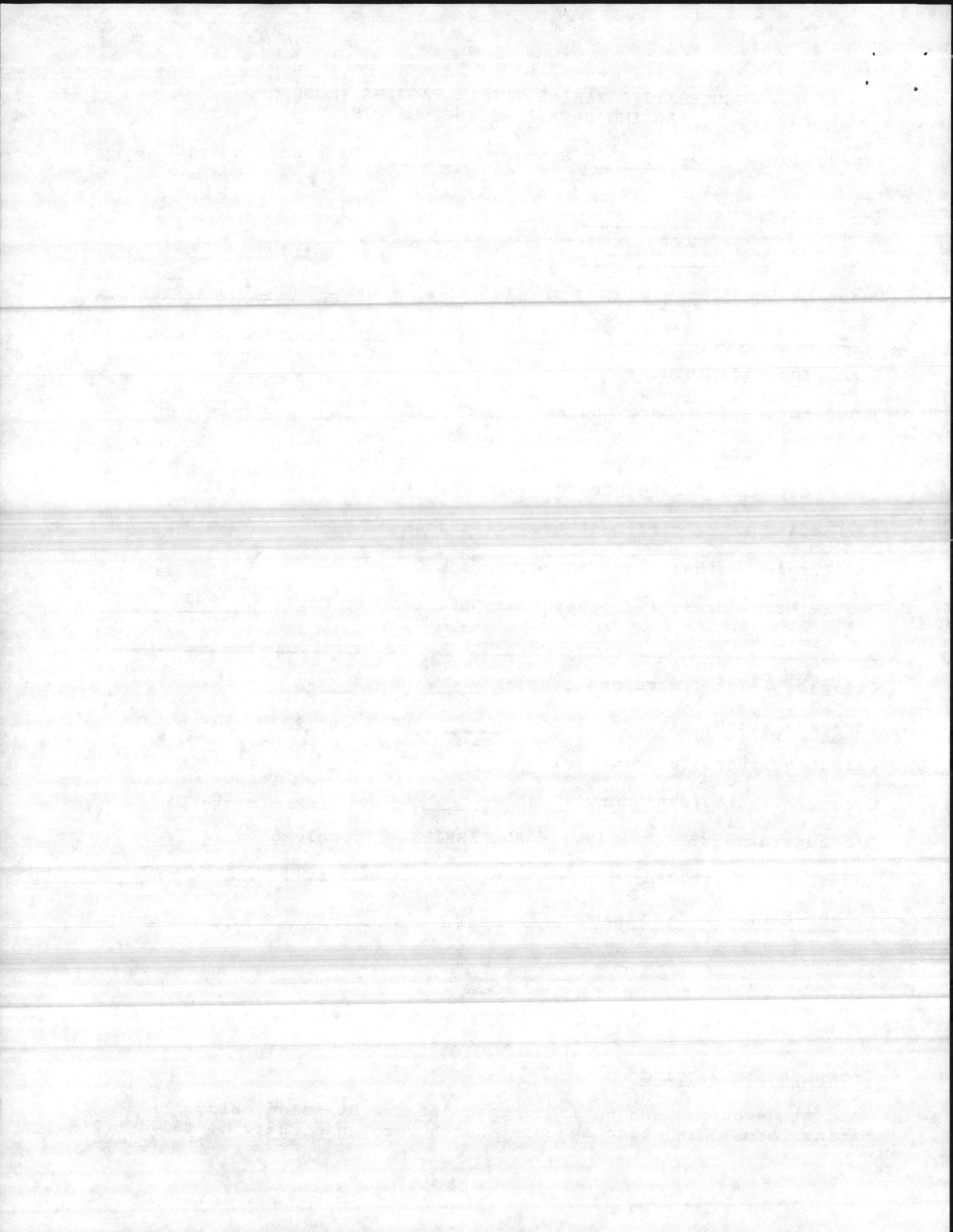
Carapace width (over curve) _____ cm 36 1/4 in.

Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Half of back
right flipper was missing.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 198 Species CC Date Encountered 6/28/87

(list all tag #'s
and letters) AAR

Describe location encountered: 4.8 miles south of Riseley's Pier,
Crawl #31.

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 44 in.

Carapace width (straight line) _____ cm 32 in.

Carapace length (over curve) _____ cm 45 in.

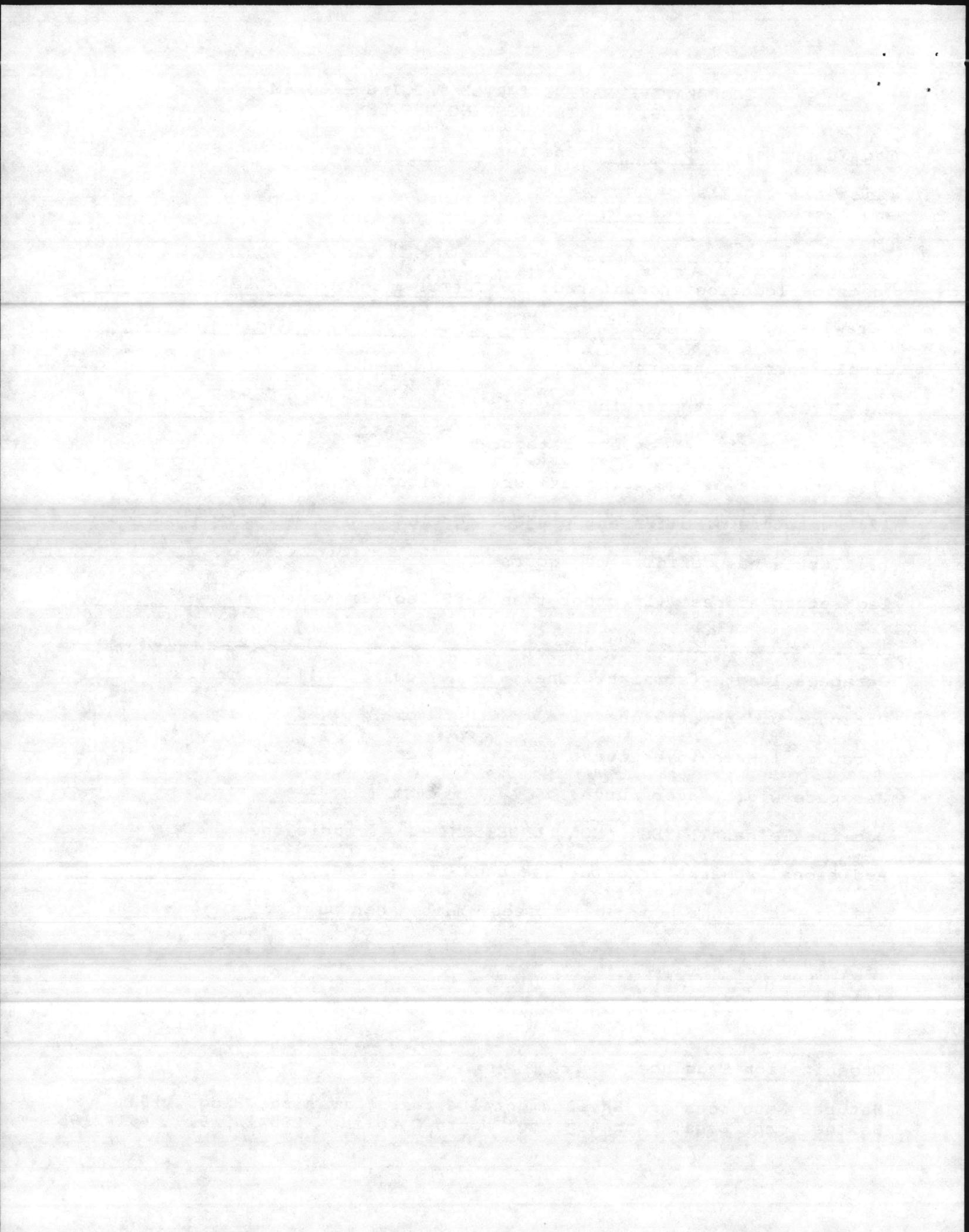
Carapace width (over curve) _____ cm 41 in.

Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Came in at low
tide, was caught hung up in trees, helped her out.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 199/200 Species CC Date Encountered 6/29/87

(list all tag #'s
and letters) AAR

Describe location encountered: .8 miles north of Riseley's Pier.

Crawl #34

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 32 in.

Carapace width (straight line) _____ cm 27 in.

Carapace length (over curve) _____ cm 38 in.

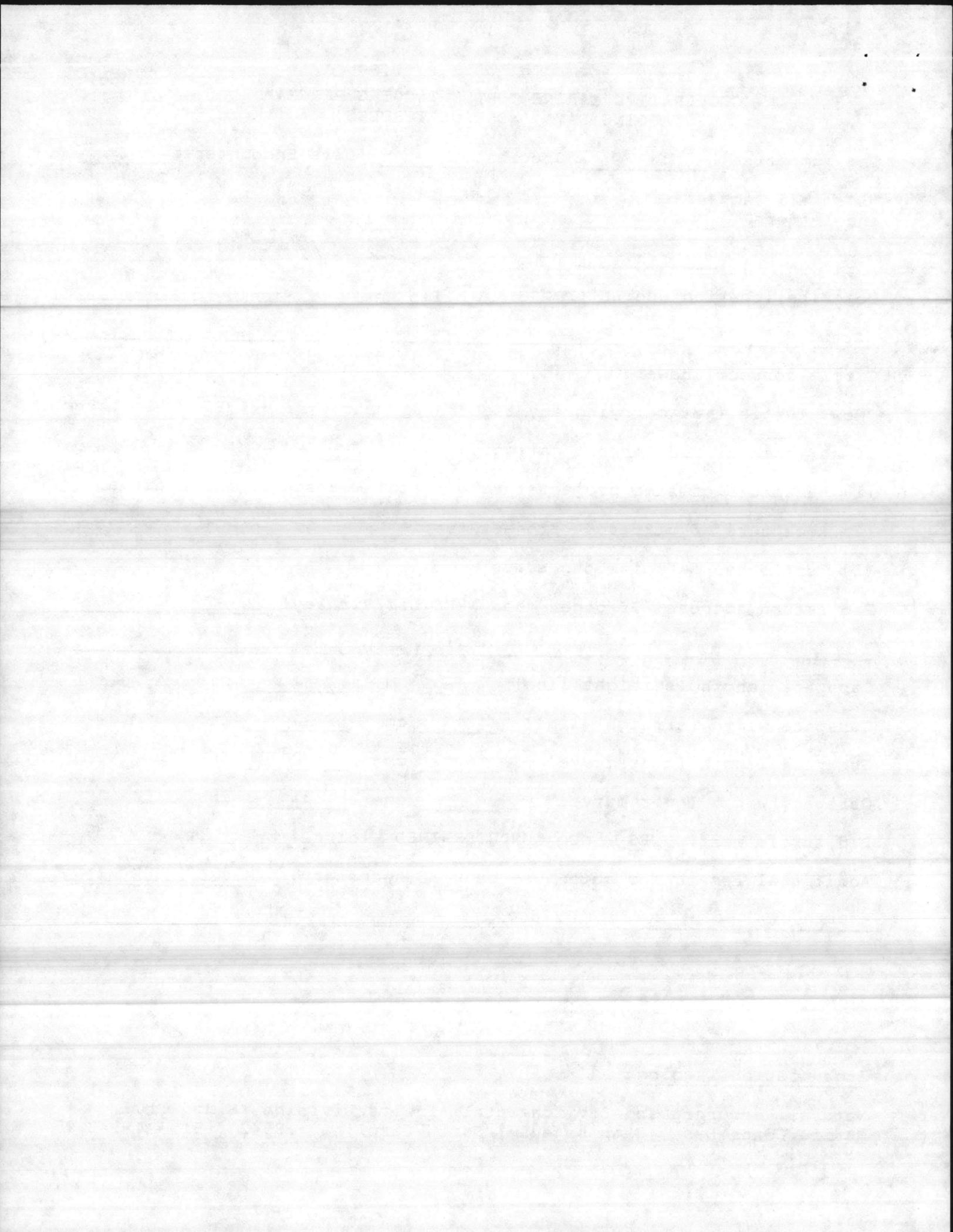
Carapace width (over curve) _____ cm 31 in.

Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Moved to .5 miles
north of Riseley's Pier. 128 eggs.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 119 Species CC Date Encountered 7/2/87

(list all tag #'s
and letters) AAR

Describe location encountered: 2.6 miles south of Riseley's Pier.
Crawl #37.

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 34 in.

Carapace width (straight line) _____ cm 30 in.

Carapace length (over curve) _____ cm 39 in.

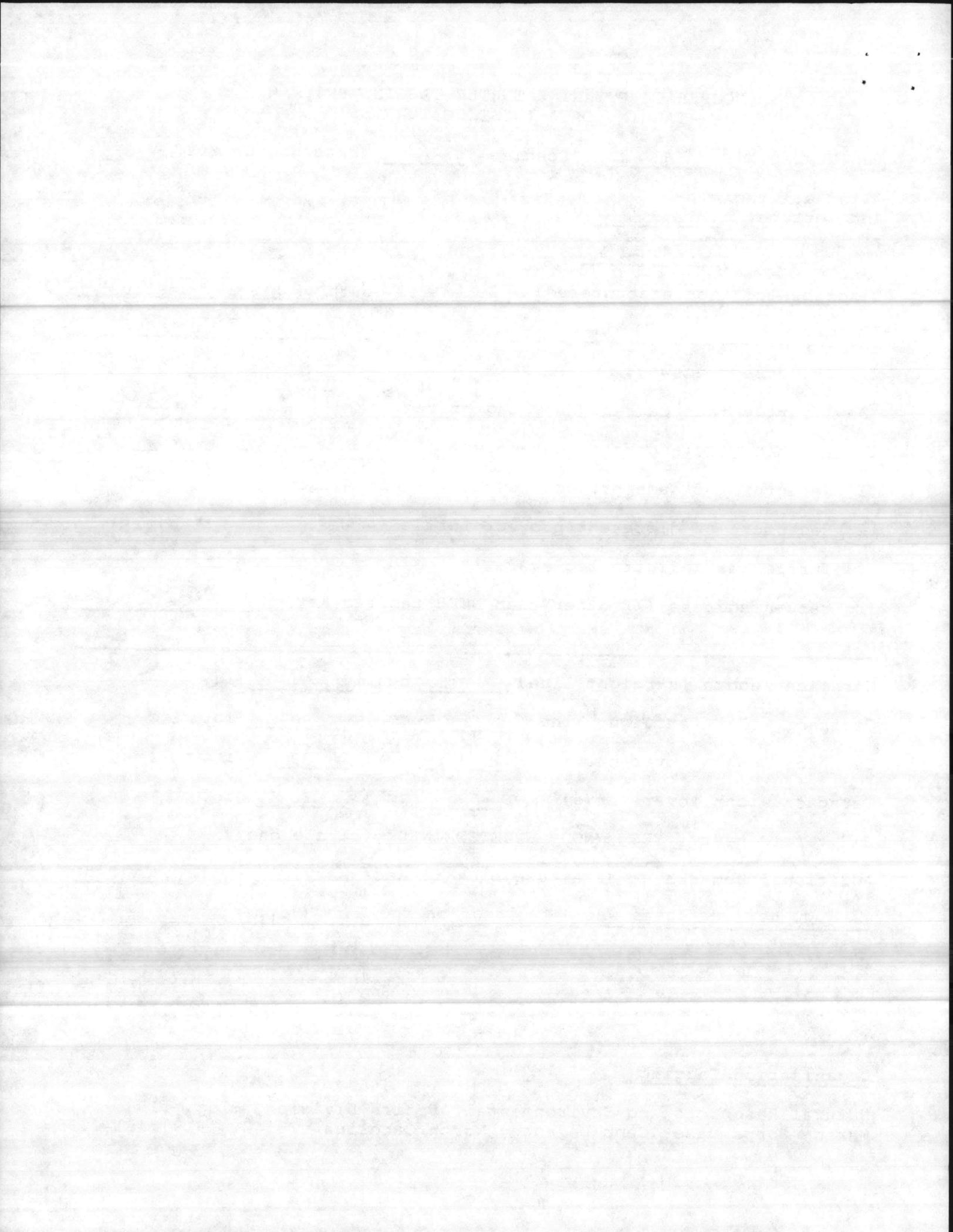
Carapace width (over curve) _____ cm 35 in.

Did turtle nest? YES UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Turtle only had
1 tag, however there was a tag scar on the left flipper.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 105/201 Species CC Date Encountered 7/6/87

(list all tag #'s
and letters) AAR

Describe location encountered: 1.0 miles south of Riseley's Pier,
Crawl #38

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 37 in.

Carapace width (straight line) _____ cm 31 in.

Carapace length (over curve) _____ cm 38 1/2 in.

Carapace width (over curve) _____ cm 37 in.

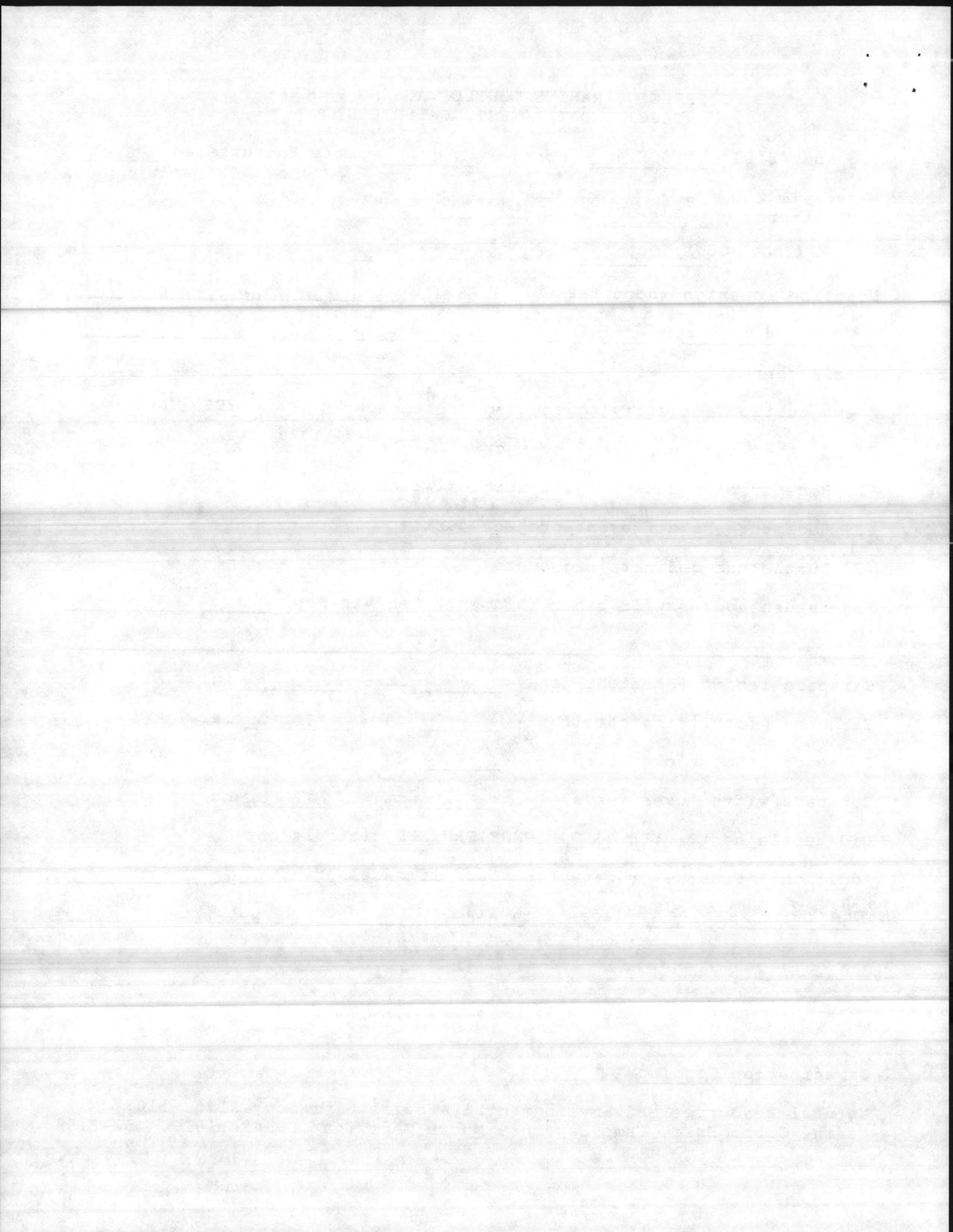
Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Crawl -

One tag missing - replaces with AAR-201.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 202/203 Species CC Date Encountered 7/7/87

(list all tag #'s
and letters) AAR

Describe location encountered: .35 miles south of Riseley's Pier,
Crawl #40.

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 36 in.

Carapace width (straight line) _____ cm 35 in.

Carapace length (over curve) _____ cm 39 3/4 in.

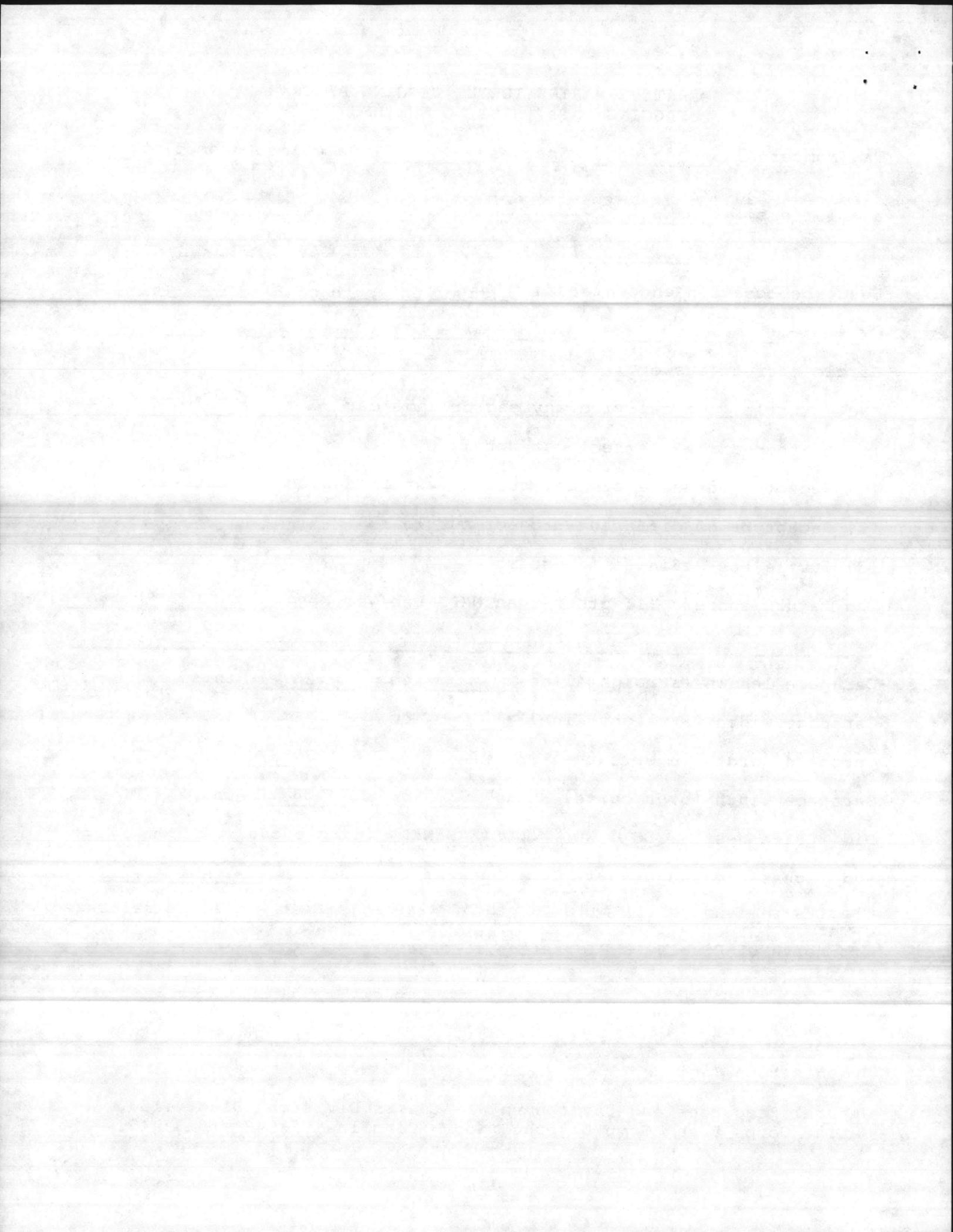
Carapace width (over curve) _____ cm 38 1/2 in.

Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) 120 eggs laid -
nest was moved to 2.1 miles south of Riseley's Pier - will be relocated
to north of Riseley's Pier after 15 days.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 105/201 Species CC Date Encountered 7/7/87

(list all tag #'s
and letters) AAR

Describe location encountered: 2.6 miles south of Riseley's Pier.

Very low dunes. Two areas were "tested" but not dug. Crawl #41

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 37 in.

Carapace width (straight line) _____ cm 31 in.

Carapace length (over curve) _____ cm 38 1/2 in.

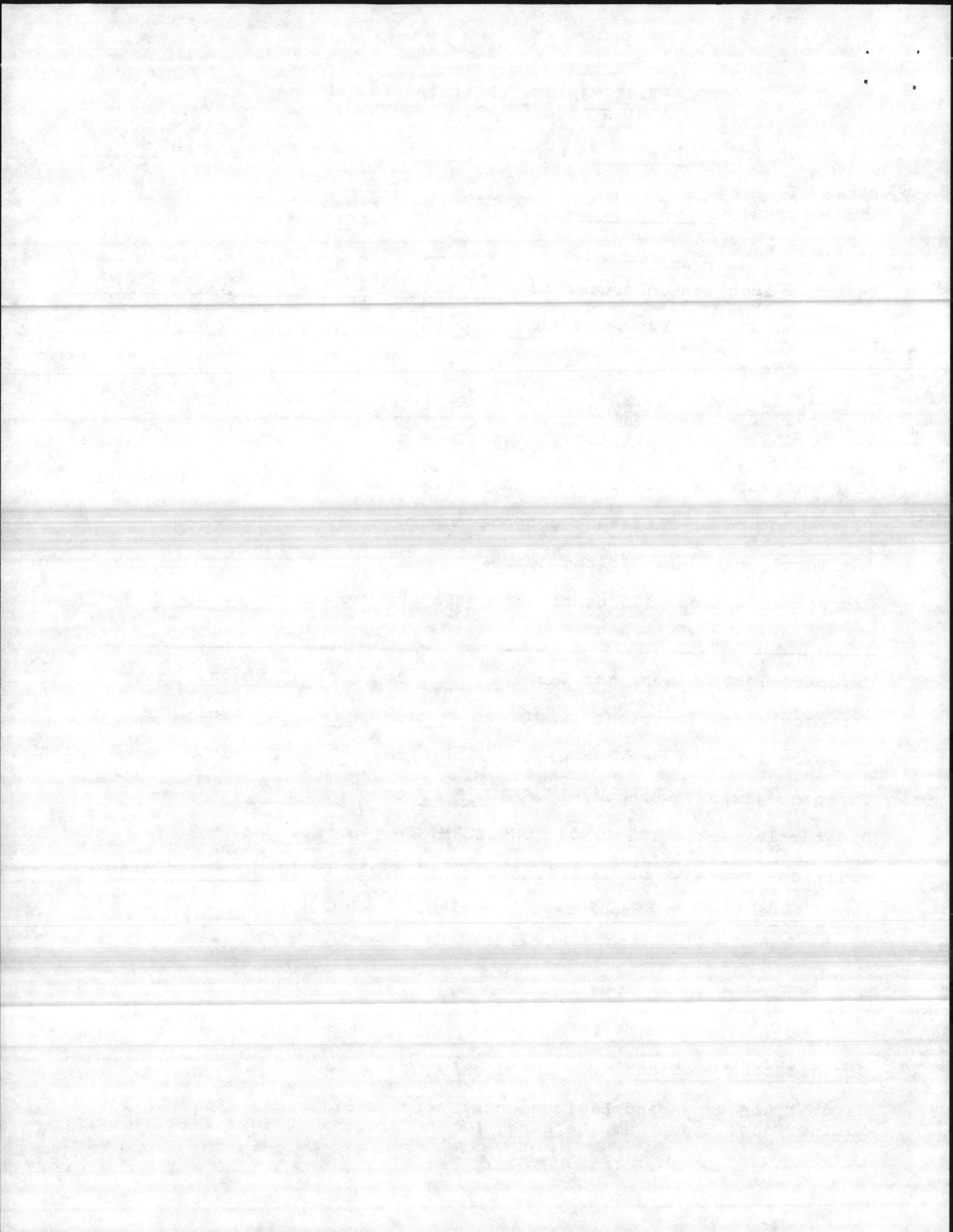
Carapace width (over curve) _____ cm 37 in.

Did turtle nest? YES UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Measurements
were taken from previous days sighting.

Organization Tagging:

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Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 105/201 Species CC Date Encountered 7/8/87

(list all tag #'s
and letters) AAR

Describe location encountered: 2.1 miles north of Riseley's Pier,
Crawl #42

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 37 in.

Carapace width (straight line) _____ cm 31 in.

Carapace length (over curve) _____ cm 38 1/2 in.

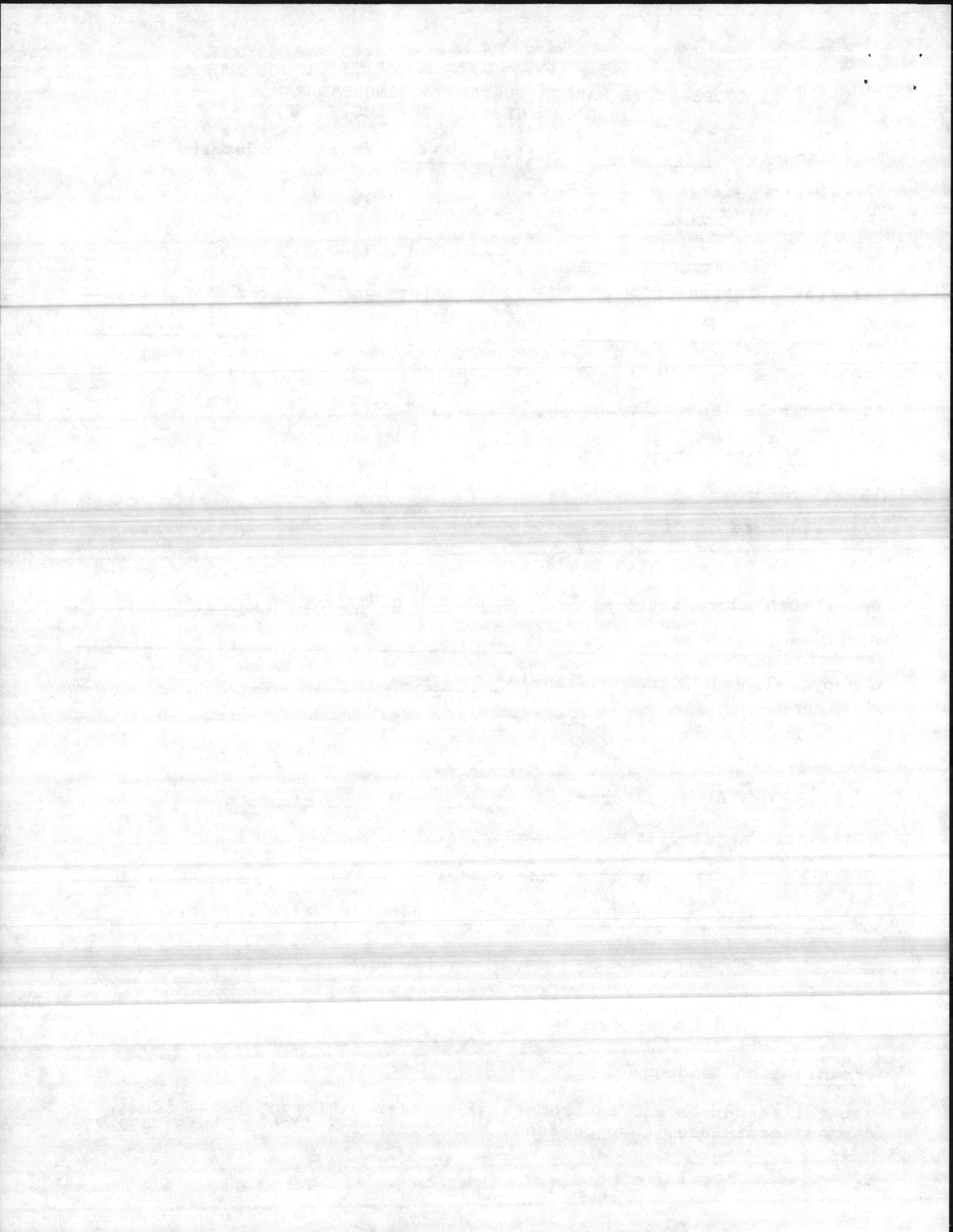
Carapace width (over curve) _____ cm 37 in.

Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Laid 138 eggs and
nest was moved up on dune at 2.1 miles north of Riseley's Pier.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 204/205 Species CM Date Encountered 7/8/87

(list all tag #'s
and letters) AAR

Describe location encountered: 2.0 miles south of Riseley's Pier.

Straight out of water to dune base and nested. Crawl #43

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 42 in.

Carapace width (straight line) _____ cm 40 in.

Carapace length (over curve) _____ cm 45 3/4 in.

Carapace width (over curve) _____ cm 45 3/4 in.

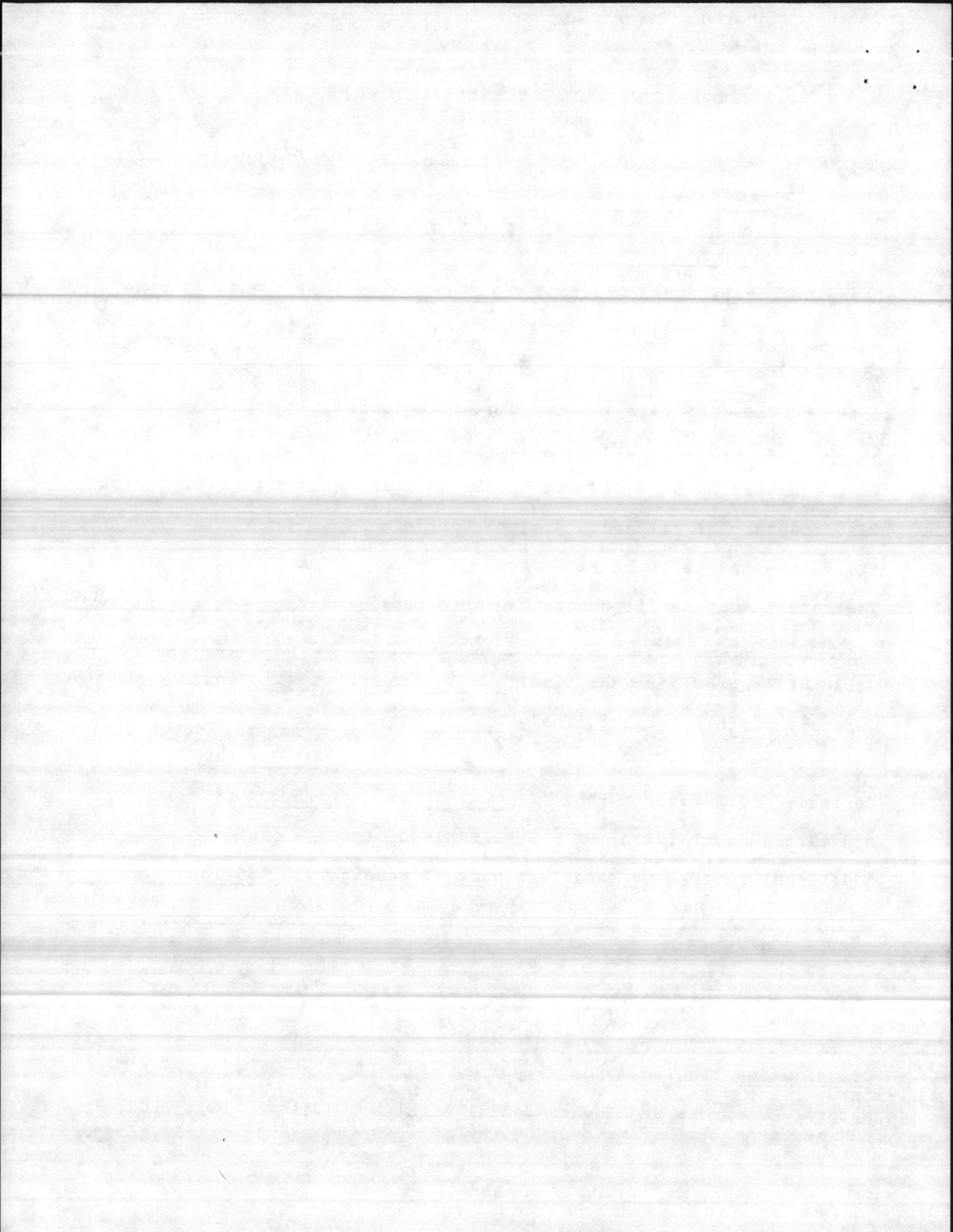
Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) 188 large eggs.

Moved to 2.1 miles north of Riseley's Pier.

Organization Tagging:

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Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 074 Species CC Date Encountered 7/15/87

(list all tag #'s
and letters) AAR

UNKNOWN (in flesh)

Describe location encountered: 1.45 miles south of Riseley's Pier,
35 feet above high tide in wash over area. Crawl #51

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 36 in.

Carapace width (straight line) _____ cm 30 in.

Carapace length (over curve) _____ cm 40 1/4 in.

Carapace width (over curve) _____ cm 36 in.

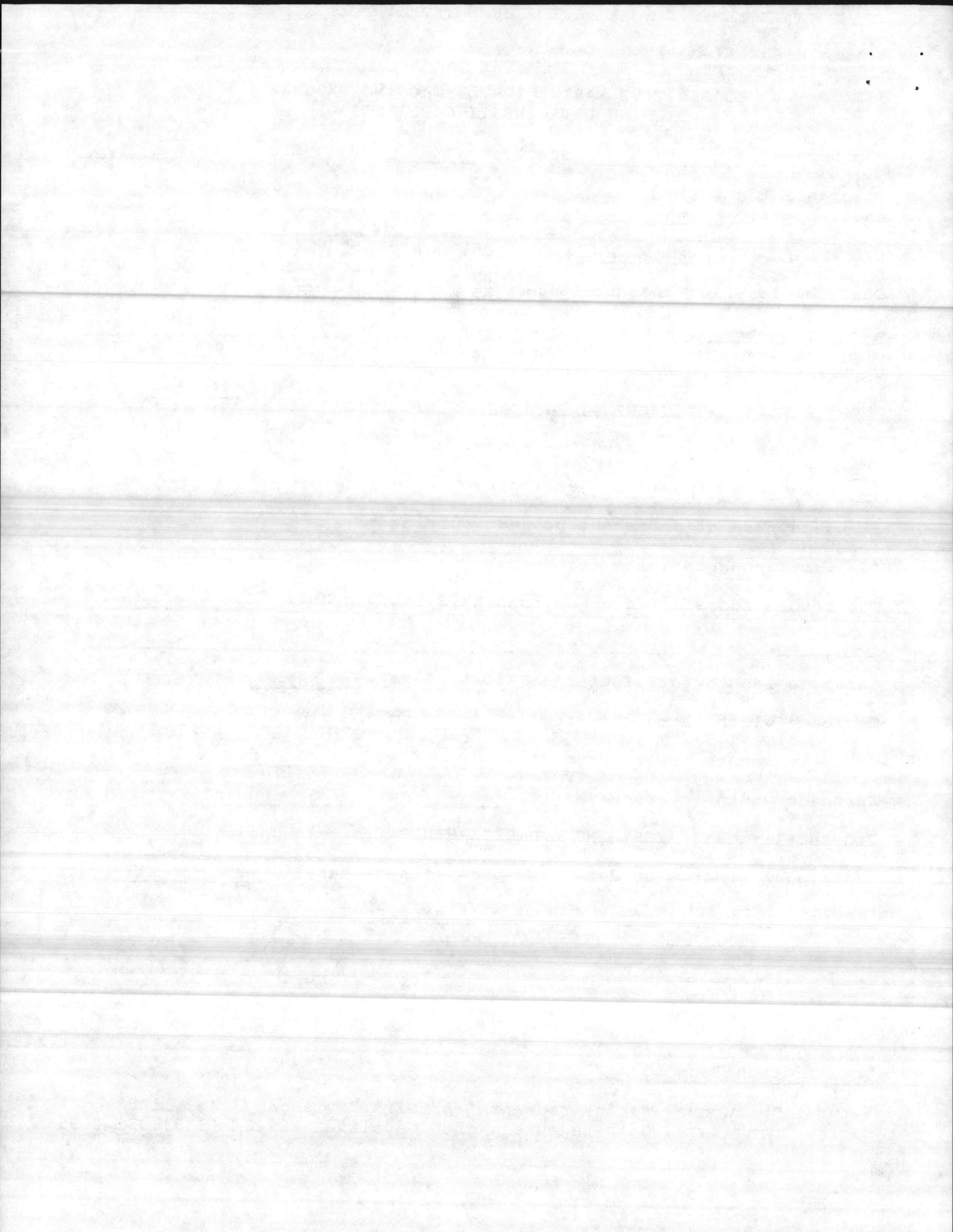
Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Nest with 139 eggs

Relocated to 2.1 miles north of Riseley's Pier.

Organization Tagging:

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COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 207/208 Species CM Date Encountered 7/21/87

(list all tag #'s
and letters) AAR

Describe location encountered: 2.05 miles south of Riseley's Pier
at the base of 12' dune, set back from front line. Nested near vehicle
path. Crawl #58.
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 43 1/2 in.

Carapace width (straight line) _____ cm 37 1/2 in.

Carapace length (over curve) _____ cm 46 1/4 in.

Carapace width (over curve) _____ cm 44 1/2 in.

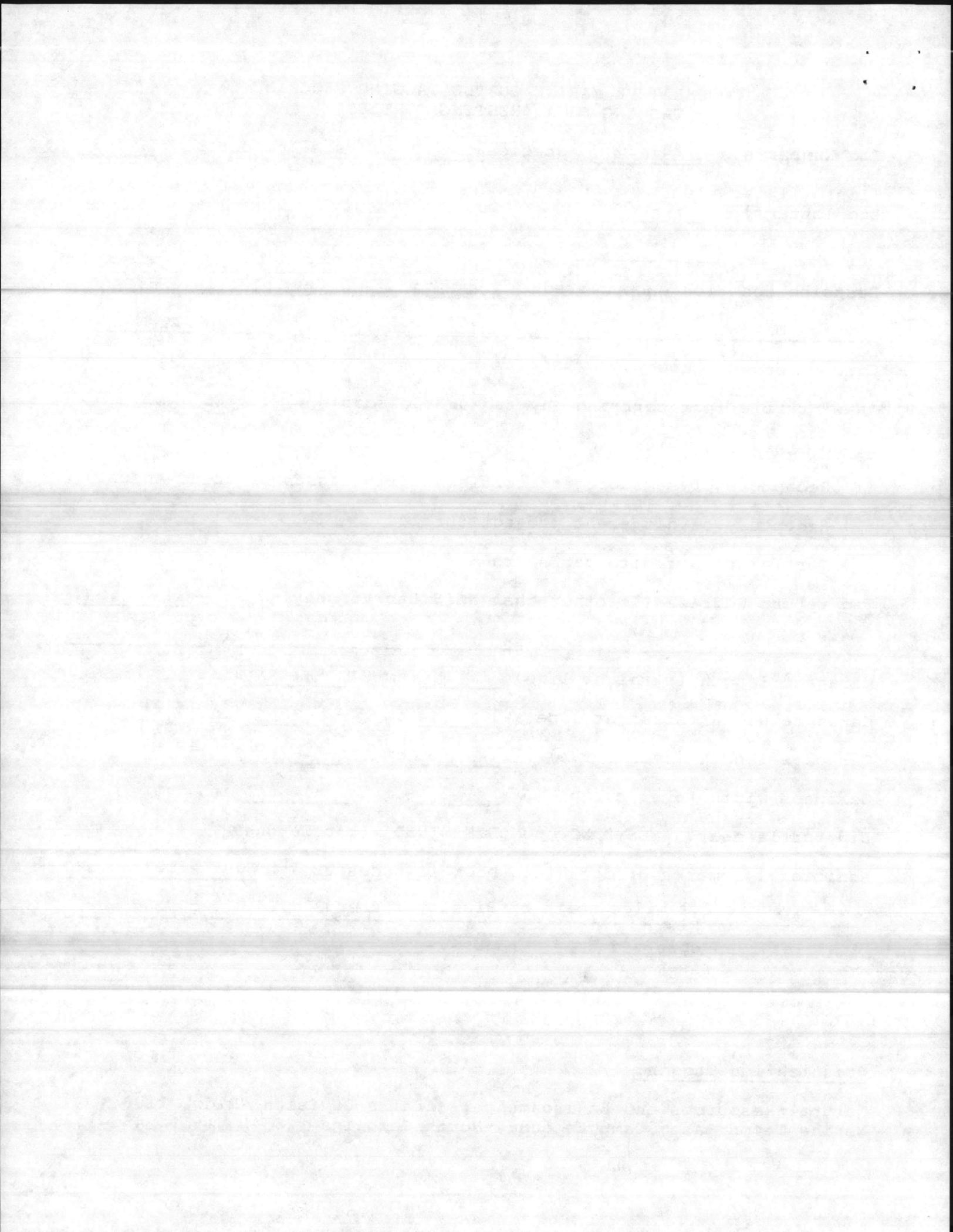
Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Nest - 192 eggs.

Relocated to 2.1 miles north of Riseley's Pier. NOTE: Tag #207 was
lost later as observed on #88 return.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 211/212 Species CC Date Encountered 7/26/87

(list all tag #'s
and letters) AAR

Describe location encountered: 0.6 miles south of Riseley's Pier,
Crawl #60

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 42 in.

Carapace width (straight line) _____ cm 31 in.

Carapace length (over curve) _____ cm 44 in.

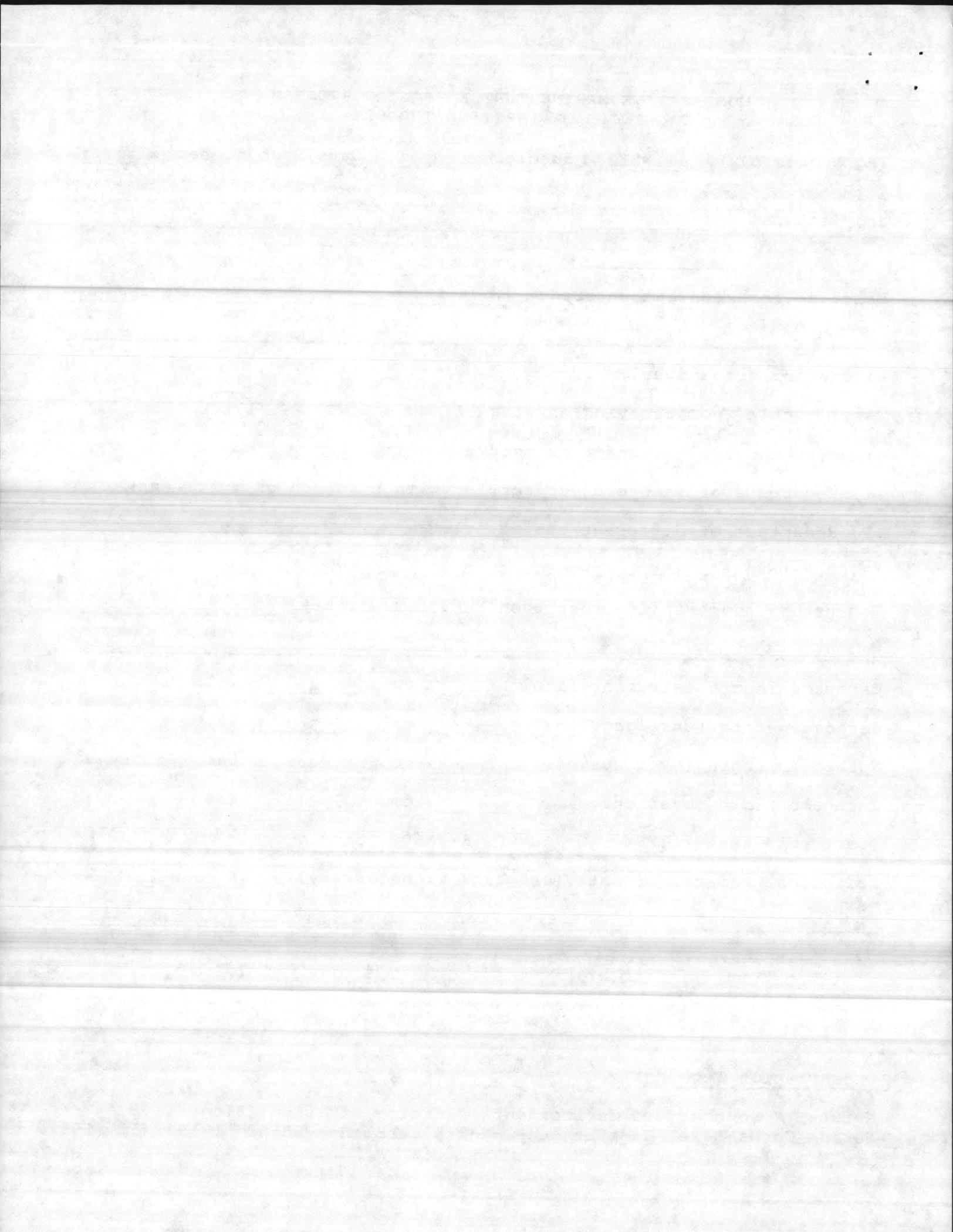
Carapace width (over curve) _____ cm 41 in.

Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) 146 eggs - relocated
to 1.8 miles north of Riseley's Pier. Laid at low tide. NOTE: AAR-210
was lost during tagging process.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 817 Species CC Date Encountered 7/27/87

(list all tag #'s
and letters) IMS Morehead City

Describe location encountered: 2.0 miles north of Riseley's Pier,
Crawl #70

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 35 in.

Carapace width (straight line) _____ cm 36 in.

Carapace length (over curve) _____ cm 38 1/2 in.

Carapace width (over curve) _____ cm 25 in.

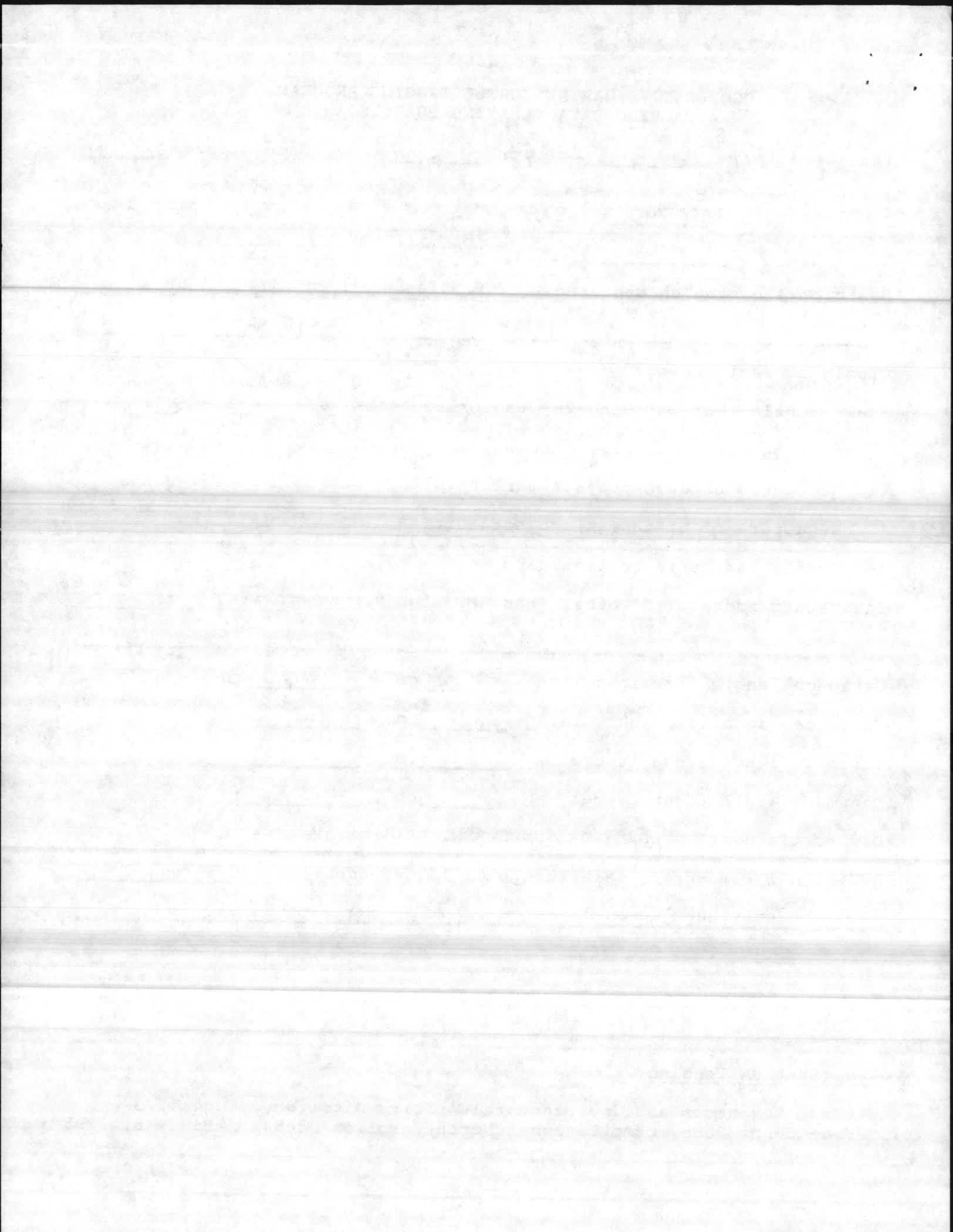
Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Laid 50 eggs.

Nest moved higher up on dunes at 2.0 miles north of Riseley's Pier.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
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COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 119 Species CC Date Encountered 7/28/87

(list all tag #'s
and letters) AAR

Describe location encountered: 1.65 miles south of Riseley's Pier,
Crawl #75

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 36 in.

Carapace width (straight line) _____ cm 26 in.

Carapace length (over curve) _____ cm 38 1/4 in.

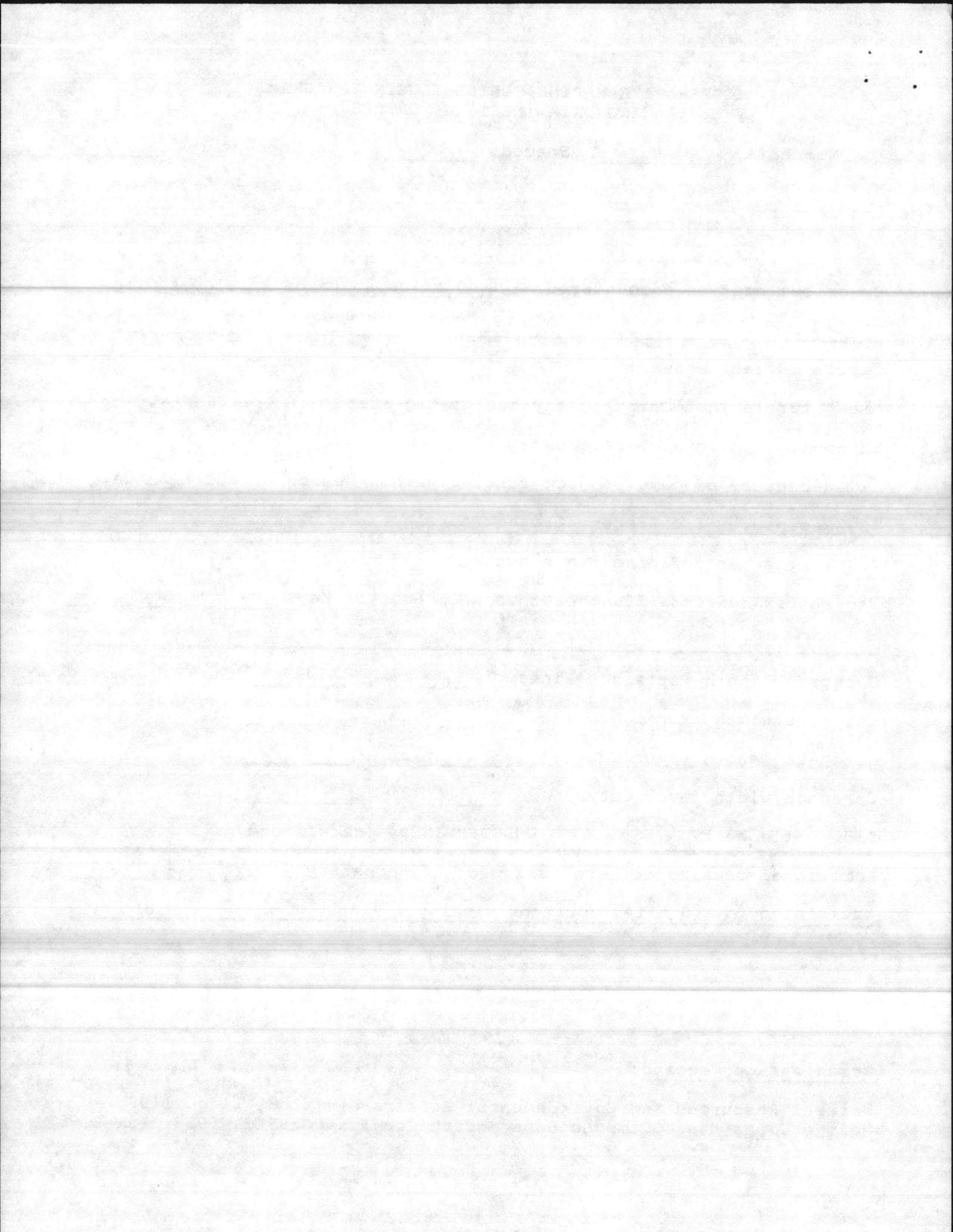
Carapace width (over curve) _____ cm 37 1/4 in.

Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) 124 eggs - nest
relocated to 2.0 miles north of Riseley's Pier. Tag scar on left flipper.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
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COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 213/214 Species CC Date Encountered 7/29/87

(list all tag #'s
and letters) AAR

Describe location encountered: 0.5 miles south of Riseley's Pier in
area of heavy vehicle tracks, 95 feet from high tide line, crawl #77

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 36 1/2 in.

Carapace width (straight line) _____ cm 26 in.

Carapace length (over curve) _____ cm 39 in.

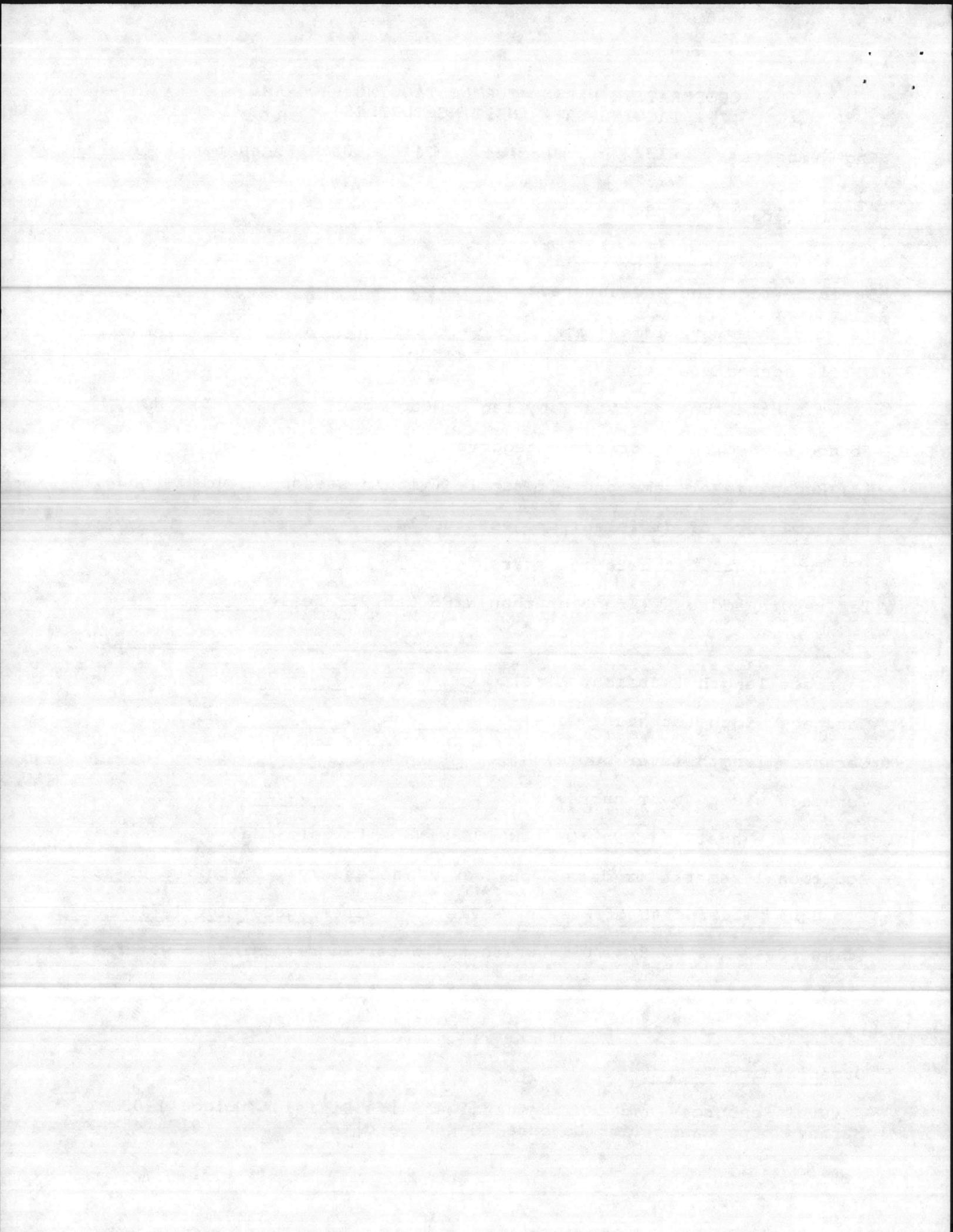
Carapace width (over curve) _____ cm 36 1/2 in.

Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Relocated 99 eggs
to 2.05 miles north of Riseley's Pier and wire caged. Turtle looked
like FC #76 of 7/28/87/0315 which was observed returning to water and
had no tags.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195.



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 105/201 Species CC Date Encountered 7/31/87

(list all tag #'s
and letters) AAR

Describe location encountered: 2.2 miles north of Riseley's Pier.

There were 3 separate crawls (in the same area with same track width)

Crawl #81
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 Not available.

Carapace width (straight line) _____ cm Not available.

Carapace length (over curve) _____ cm 38 1/4 in.

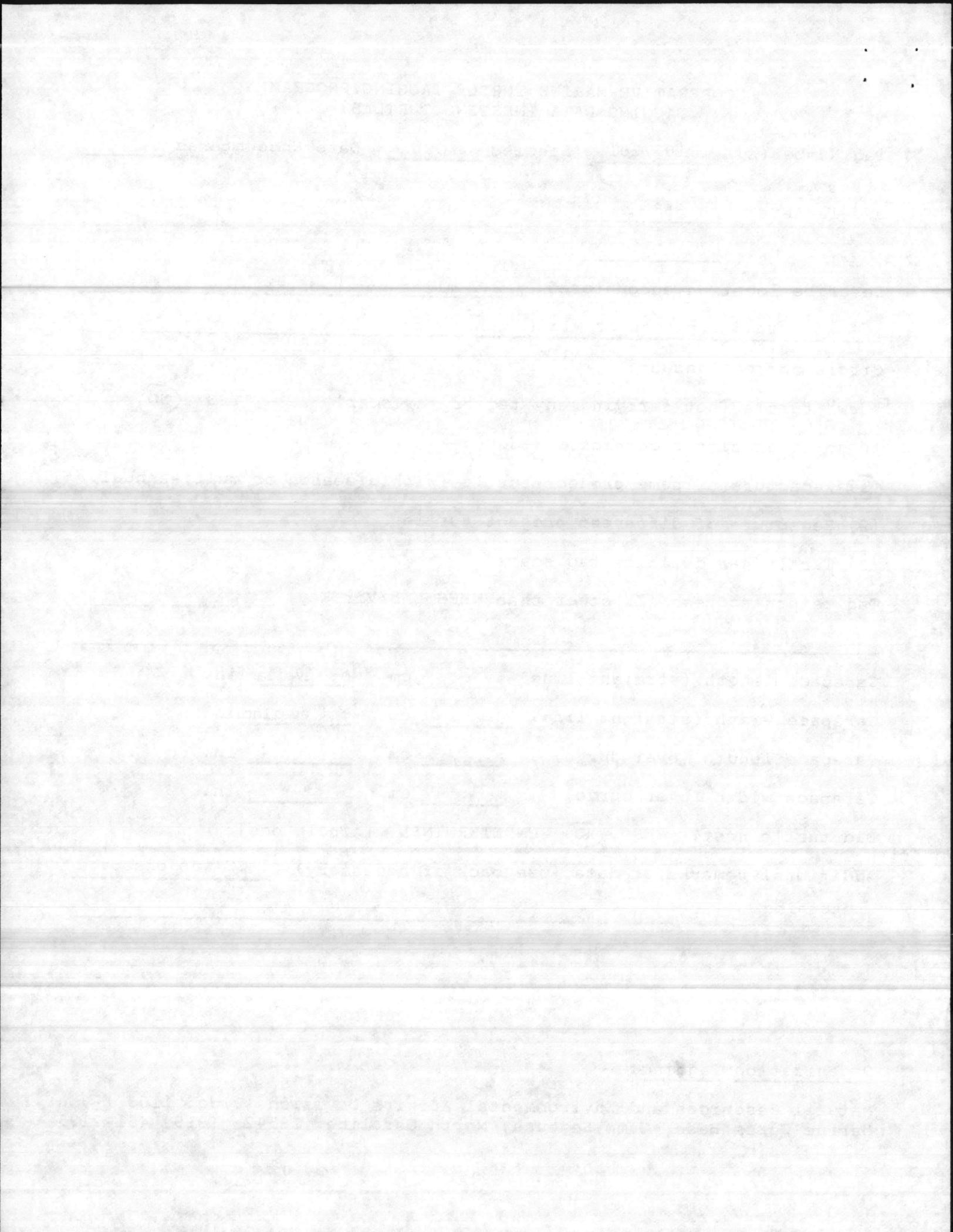
Carapace width (over curve) _____ cm 36 in.

Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) CC was observed
returning.

Organization Tagging:

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COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 215/216 Species CC Date Encountered 7/31/87

(list all tag #'s
and letters) AAR

Describe location encountered: 2.7 miles south of Riseley's Pier
in low overwash area. Crawl #85

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 36 1/2 in.

Carapace width (straight line) _____ cm 29 in.

Carapace length (over curve) _____ cm 40 1/2 in.

Carapace width (over curve) _____ cm 36 1/2 in.

Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Relocated 121 eggs
to 2.15 miles north of Riseley's Pier. Air temp 79° F.

Organization Tagging:

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Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195

STATE OF TEXAS
COUNTY OF [illegible]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 208 Species CM Date Encountered 8/2/87

(list all tag #'s
and letters) AAR

Describe location encountered: 2 miles south of Riseley's Pier.

Turtle came on beach in almost same place as 2 weeks earlier and
within 10 minutes of same time. Crawl #88
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. 45 1/2 in.
Carapace width (straight line) _____ cm. 36 in.
Carapace length (over curve) _____ cm. 47 in.
Carapace width (over curve) _____ cm. 41 1/2 in.

Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Missing tag in
left flipper, unable to retag her, she also dug a hole that she
couldn't get out of.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195

REPORT OF THE COMMISSIONER OF THE GENERAL LAND OFFICE
FOR THE YEAR 1884

The following table shows the amount of land sold by the General Land Office during the year 1884, and the proceeds therefrom. The land was sold in several States, and the proceeds were distributed as follows:

State	Amount of Land Sold (Acres)	Proceeds (\$)
Alabama	10,000	100,000
Arkansas	5,000	50,000
California	20,000	200,000
Colorado	15,000	150,000
Florida	8,000	80,000
Georgia	12,000	120,000
Idaho	3,000	30,000
Iowa	7,000	70,000
Kansas	18,000	180,000
Minnesota	6,000	60,000
Missouri	9,000	90,000
Montana	4,000	40,000
Nebraska	11,000	110,000
Nevada	2,000	20,000
New Mexico	3,000	30,000
North Dakota	1,000	10,000
Ohio	5,000	50,000
Oklahoma	14,000	140,000
Oregon	2,000	20,000
South Dakota	1,000	10,000
Texas	16,000	160,000
Utah	3,000	30,000
Virginia	4,000	40,000
Washington	2,000	20,000
West Virginia	1,000	10,000
Wisconsin	6,000	60,000
Wyoming	2,000	20,000

The total amount of land sold during the year 1884 was 150,000 acres, and the proceeds therefrom were \$1,500,000. The land was sold in several States, and the proceeds were distributed as follows:

State	Amount of Land Sold (Acres)	Proceeds (\$)
Alabama	10,000	100,000
Arkansas	5,000	50,000
California	20,000	200,000
Colorado	15,000	150,000
Florida	8,000	80,000
Georgia	12,000	120,000
Idaho	3,000	30,000
Iowa	7,000	70,000
Kansas	18,000	180,000
Minnesota	6,000	60,000
Missouri	9,000	90,000
Montana	4,000	40,000
Nebraska	11,000	110,000
Nevada	2,000	20,000
New Mexico	3,000	30,000
North Dakota	1,000	10,000
Ohio	5,000	50,000
Oklahoma	14,000	140,000
Oregon	2,000	20,000
South Dakota	1,000	10,000
Texas	16,000	160,000
Utah	3,000	30,000
Virginia	4,000	40,000
Washington	2,000	20,000
West Virginia	1,000	10,000
Wisconsin	6,000	60,000
Wyoming	2,000	20,000

The total amount of land sold during the year 1884 was 150,000 acres, and the proceeds therefrom were \$1,500,000. The land was sold in several States, and the proceeds were distributed as follows:

State	Amount of Land Sold (Acres)	Proceeds (\$)
Alabama	10,000	100,000
Arkansas	5,000	50,000
California	20,000	200,000
Colorado	15,000	150,000
Florida	8,000	80,000
Georgia	12,000	120,000
Idaho	3,000	30,000
Iowa	7,000	70,000
Kansas	18,000	180,000
Minnesota	6,000	60,000
Missouri	9,000	90,000
Montana	4,000	40,000
Nebraska	11,000	110,000
Nevada	2,000	20,000
New Mexico	3,000	30,000
North Dakota	1,000	10,000
Ohio	5,000	50,000
Oklahoma	14,000	140,000
Oregon	2,000	20,000
South Dakota	1,000	10,000
Texas	16,000	160,000
Utah	3,000	30,000
Virginia	4,000	40,000
Washington	2,000	20,000
West Virginia	1,000	10,000
Wisconsin	6,000	60,000
Wyoming	2,000	20,000

COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 206/209 Species CC Date Encountered 8/6/87

(list all tag #'s
and letters) AAR

Describe location encountered: 1.0 miles north of Riseley's Pier
at 2150 - about mid tide. Crawl #90

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 36 in.

Carapace width (straight line) _____ cm 25 in.

Carapace length (over curve) _____ cm 38 3/4 in.

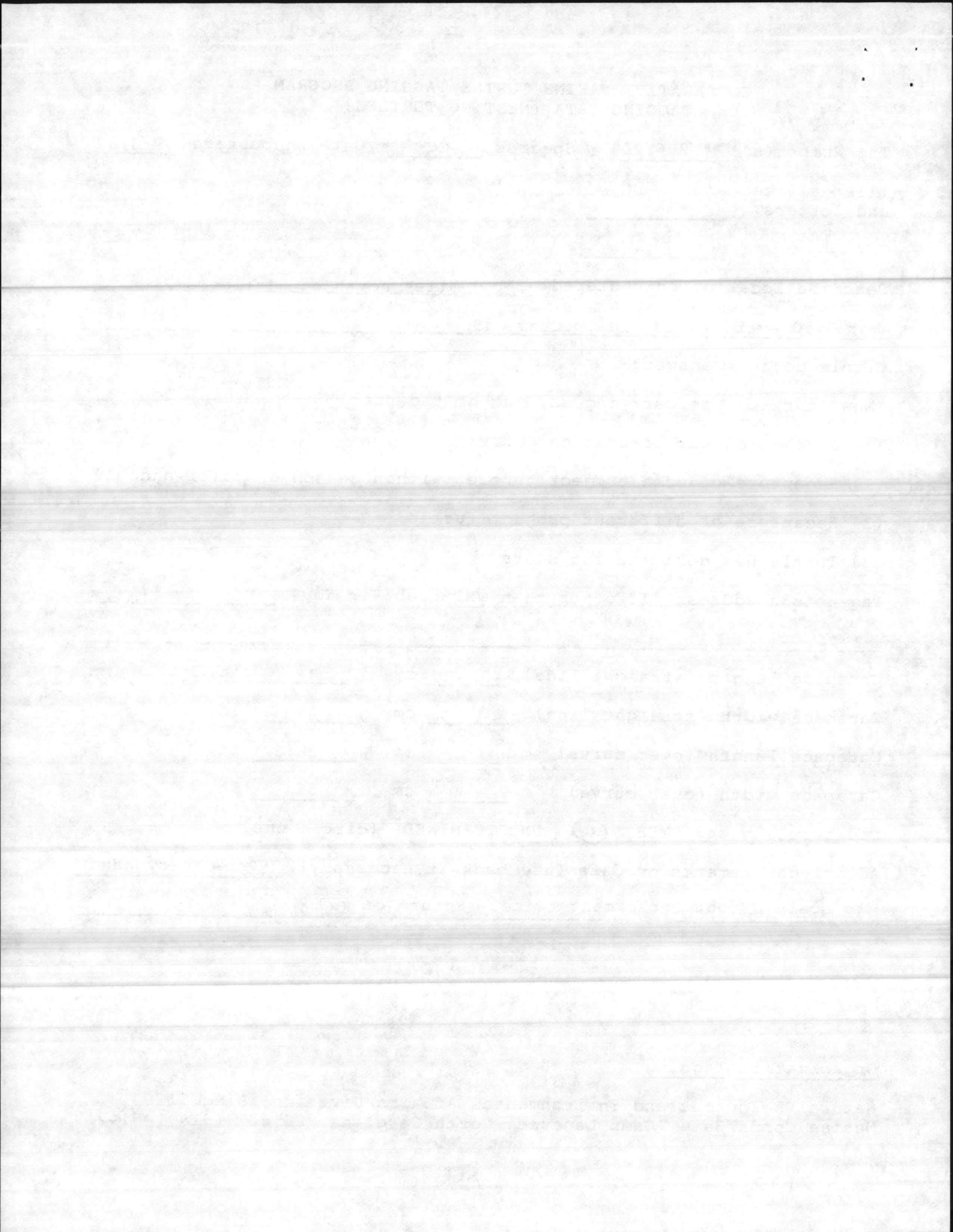
Carapace width (over curve) _____ cm 36 in.

Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Tried very hard
to scale 8 foot embankment twice. Return of #59

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
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COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 211/212 Species CC Date Encountered 8/6/87

(list all tag #'s
and letters) AAR

Describe location encountered: 2.07 miles north of Riseley's Pier, 20
feet above last high tide. Crawl #91

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 42 in.

Carapace width (straight line) _____ cm 31 in.

Carapace length (over curve) _____ cm 44 in.

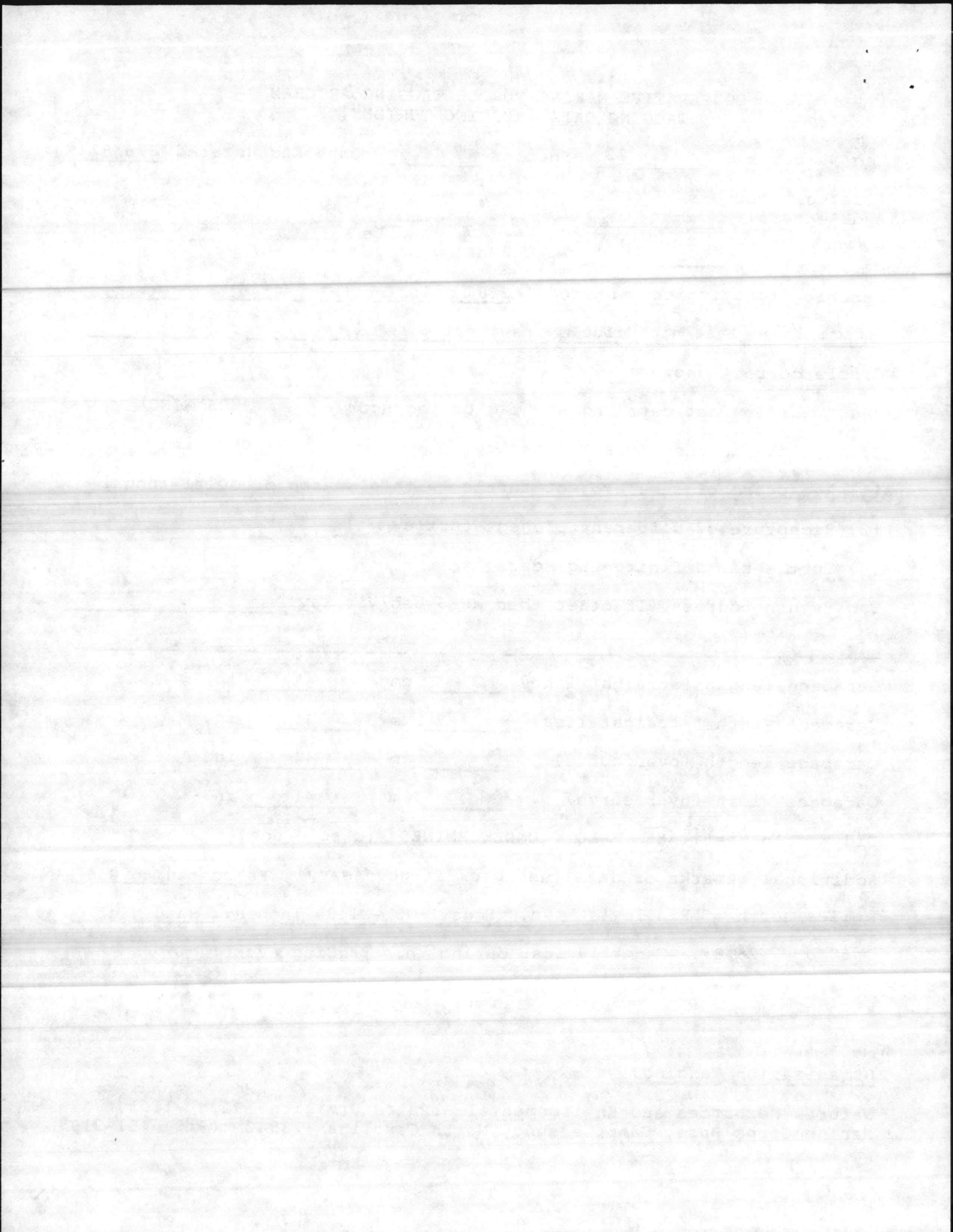
Carapace width (over curve) _____ cm 41 in.

Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Relocated to 0.6
miles north of Riseley's Pier. Eggs 1.75 - 1.80 inches. Return of
#60 of 7/26/87. Tag #210 lost during this tagging event.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 071/217 Species CC Date Encountered 8/9/87

(list all tag #'s
and letters) AAR

Describe location encountered: 1.95 miles north of Riseley's Pier
at base of 10' dune. 90 feet above high tide line. Crawl #100

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.

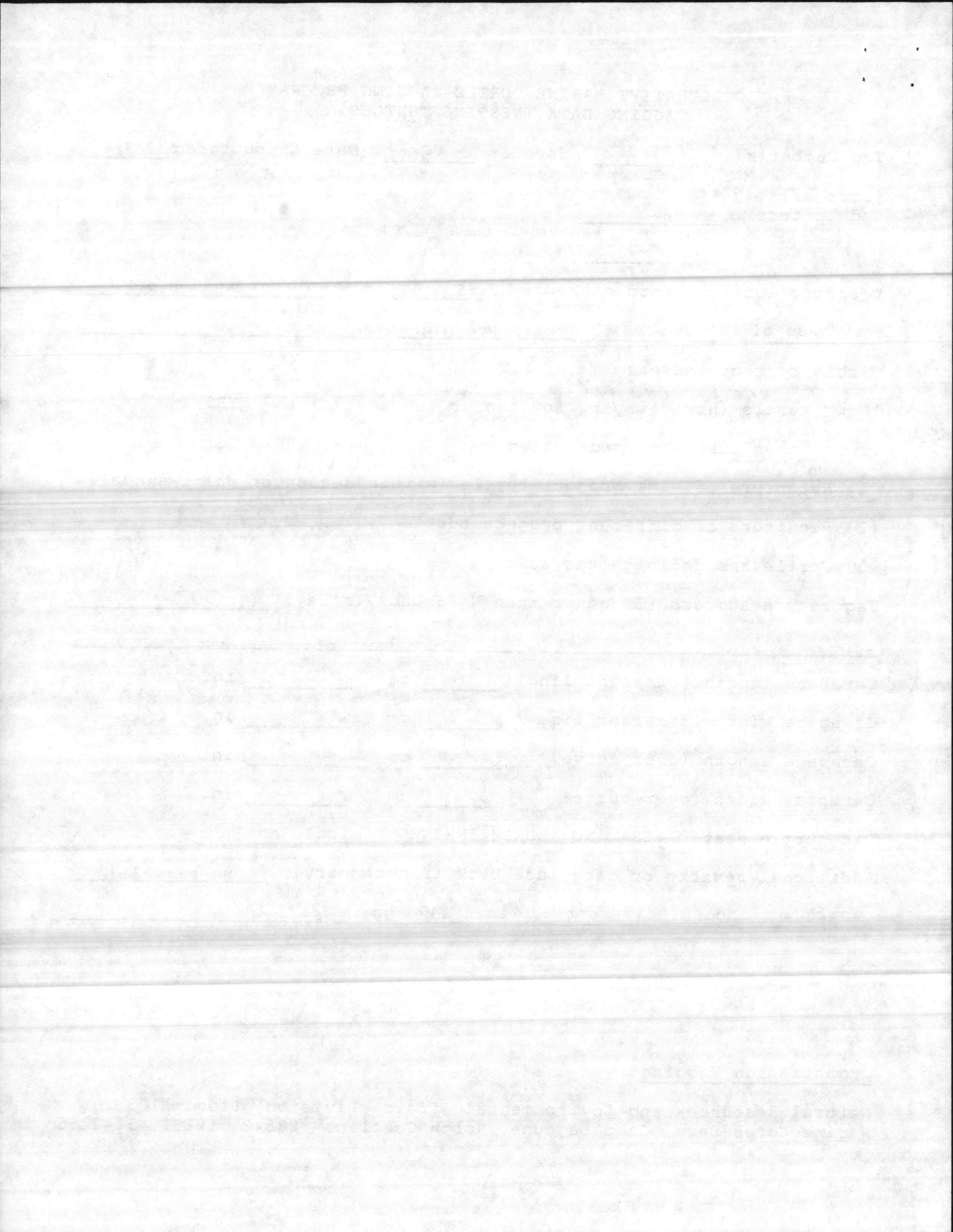
Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Loss tag #218

while working on this turtle. Laid 147 eggs

Organization Tagging:

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Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 219/220 Species CC Date Encountered 8/9/87

(list all tag #'s
and letters) AAR

Describe location encountered: 1.3 miles north of Riseley's Pier.

Alot of lights in the area, 100 yards from Pavilion. Crawl #101

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 32 in.

Carapace width (straight line) _____ cm 23 1/2 in.

Carapace length (over curve) _____ cm 36 in.

Carapace width (over curve) _____ cm 33 in.

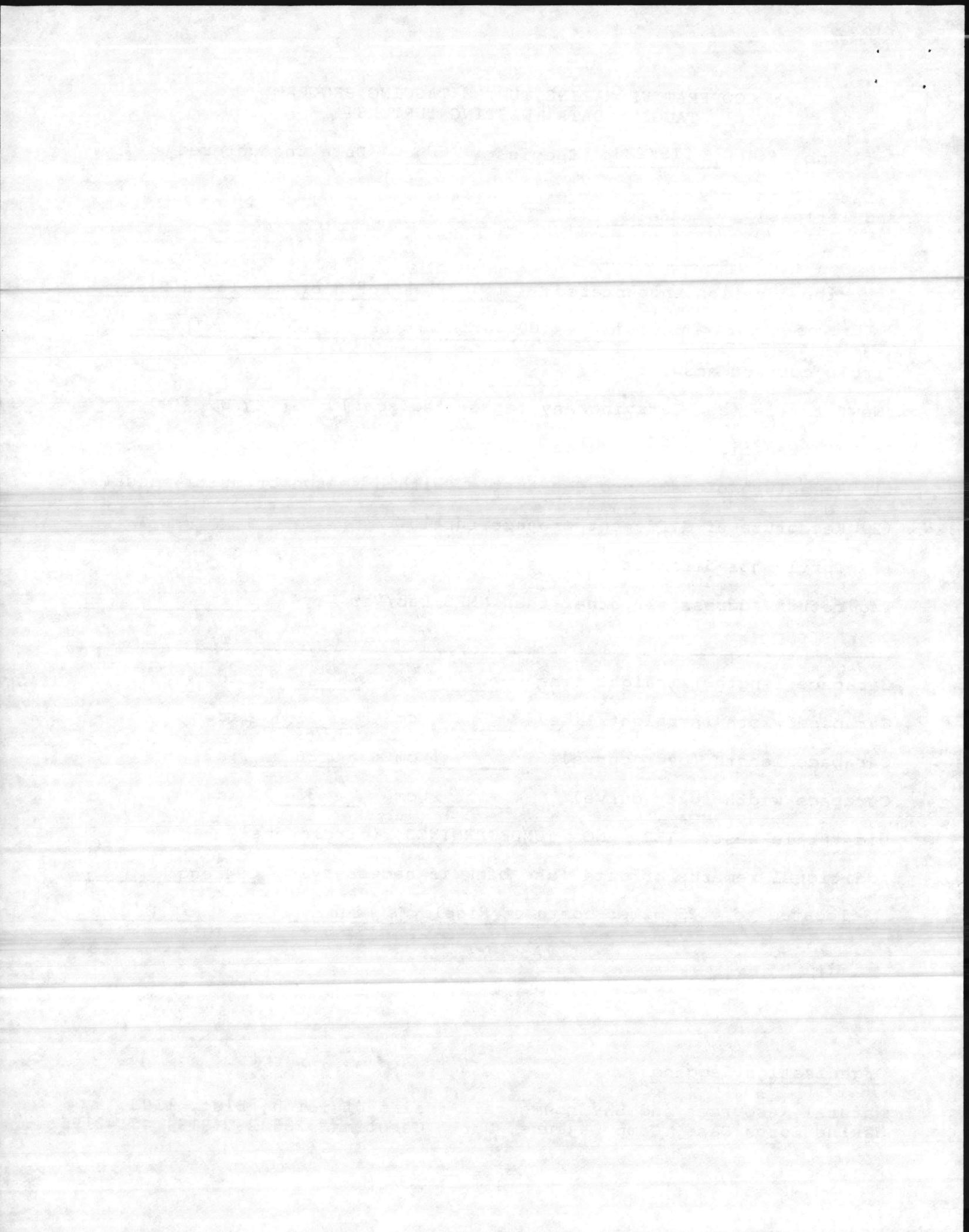
Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) 94 eggs

Relocated to 0.25 miles north of Riseley's Pier.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 222/224 Species CC Date Encountered 8/11/87

(list all tag #'s
and letters) AAR

Describe location encountered: 1.2 miles south of Riseley's Pier on
a long (250') crawl but not as far as dunes - 30 feet above high tide.

Crawl #104
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 37 in.

Carapace width (straight line) _____ cm 27 in.

Carapace length (over curve) _____ cm 40 in.

Carapace width (over curve) _____ cm 37 1/2 in.

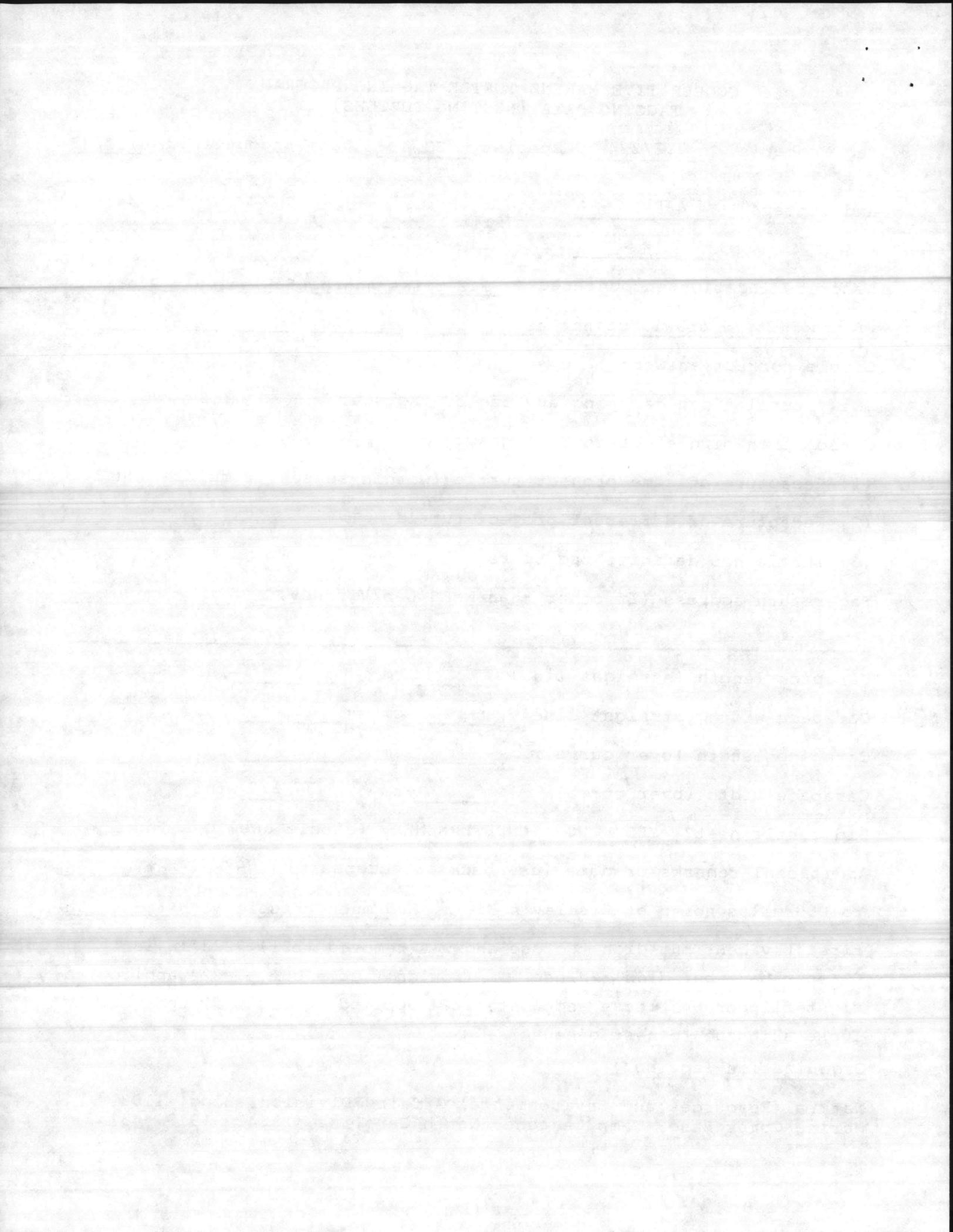
Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Relocated 102 eggs
to 0.5 miles north of Riseley's Pier. Had much trouble with tags. The

first try bent but didn't close and was removed (221) #222 in left
flipper bent but didn't clasp but wouldn't come out. #223 applied to
right flipper but loose and lost, #224 applied to right flipper but in
loose skin due to nest maneuvers.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 208/225 Species CM Date Encountered 8/13/87

(list all tag #'s
and letters) AAR

Describe location encountered: 2.38 miles south of Rislely's Pier on
top of 7 foot dune. Ait temp 75° F. Crawl #113

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 43 1/2 in.

Carapace width (straight line) _____ cm 37 1/2 in.

Carapace length (over curve) _____ cm 46 1/4 in.

Carapace width (over curve) _____ cm 44 1/2 in.

Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Relocated 163 eggs

includes 1 broken (in nest) to 0.45 mile north of Riseley's Pier. Air

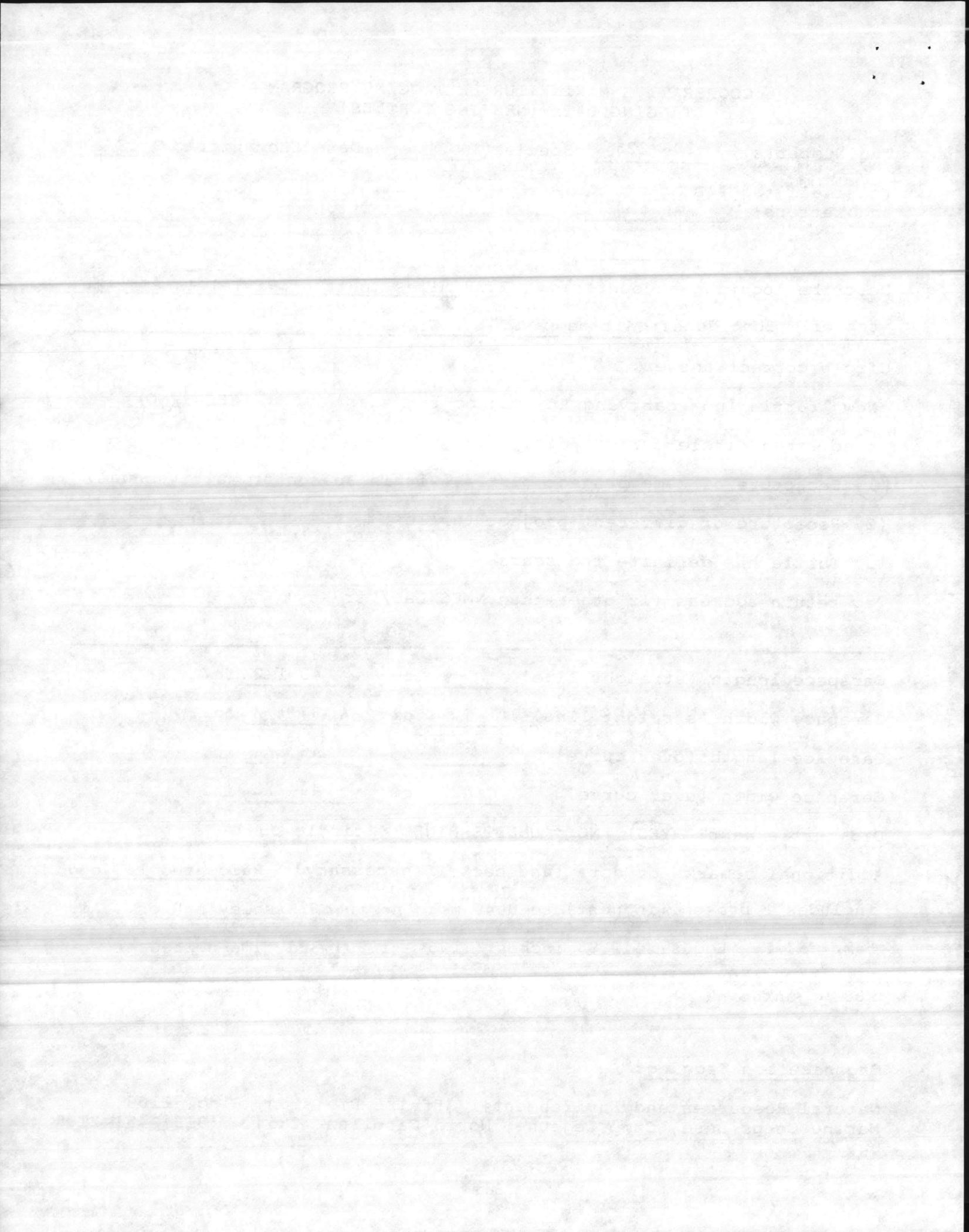
temp 75° F. Egg size 1.85 inches (1.75 - 1.90) 3rd time nested

N58 = 192 eggs

N88 = unknown

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) 071/217 Species CC Date Encountered 8/22/87

(list all tag #'s
and letters) AAR

Describe location encountered: .15 miles north of Riseley's Pier.

Crawl #119

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.

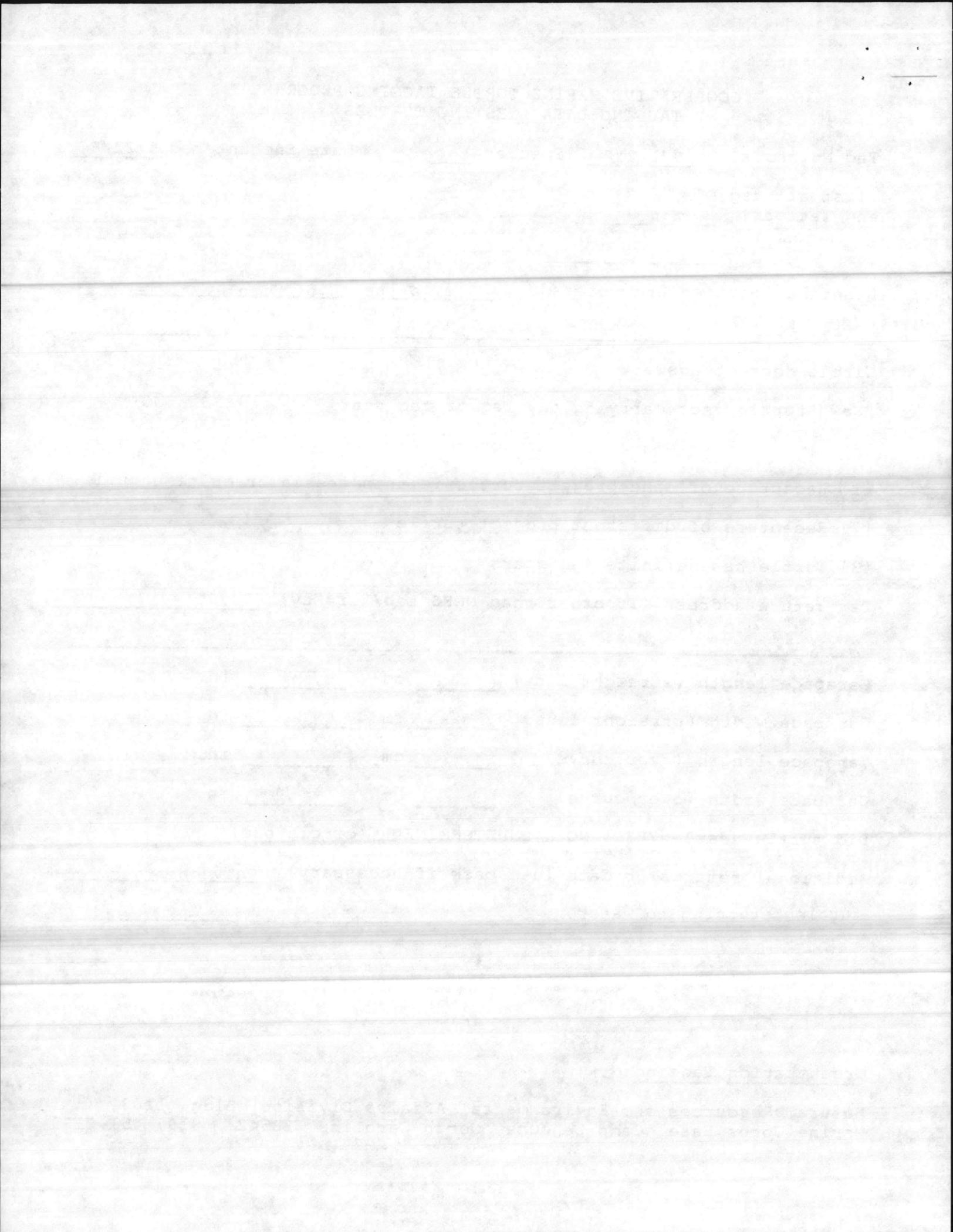
Carapace width (over curve) _____ cm _____ in.

Did turtle nest? YES NO UNDETERMINED (circle one)

Additional remarks or data (use back if necessary) Only observed
turtle returning to water.

Organization Tagging:

Natural Resources and Environmental Affairs Division, Bldg. 1103,
Marine Corps Base, Camp Lejeune, North Carolina 28542 (919) 451-2195



AERIAL SURVEY

DATE: 6/2/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	6	0	6	0	0	0	THIN FOG / CLEAR
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	1	0	1	0	0	0	THIN FOG / CLEAR
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	1	0	1	0	0	0	THIN FOG / CLEAR

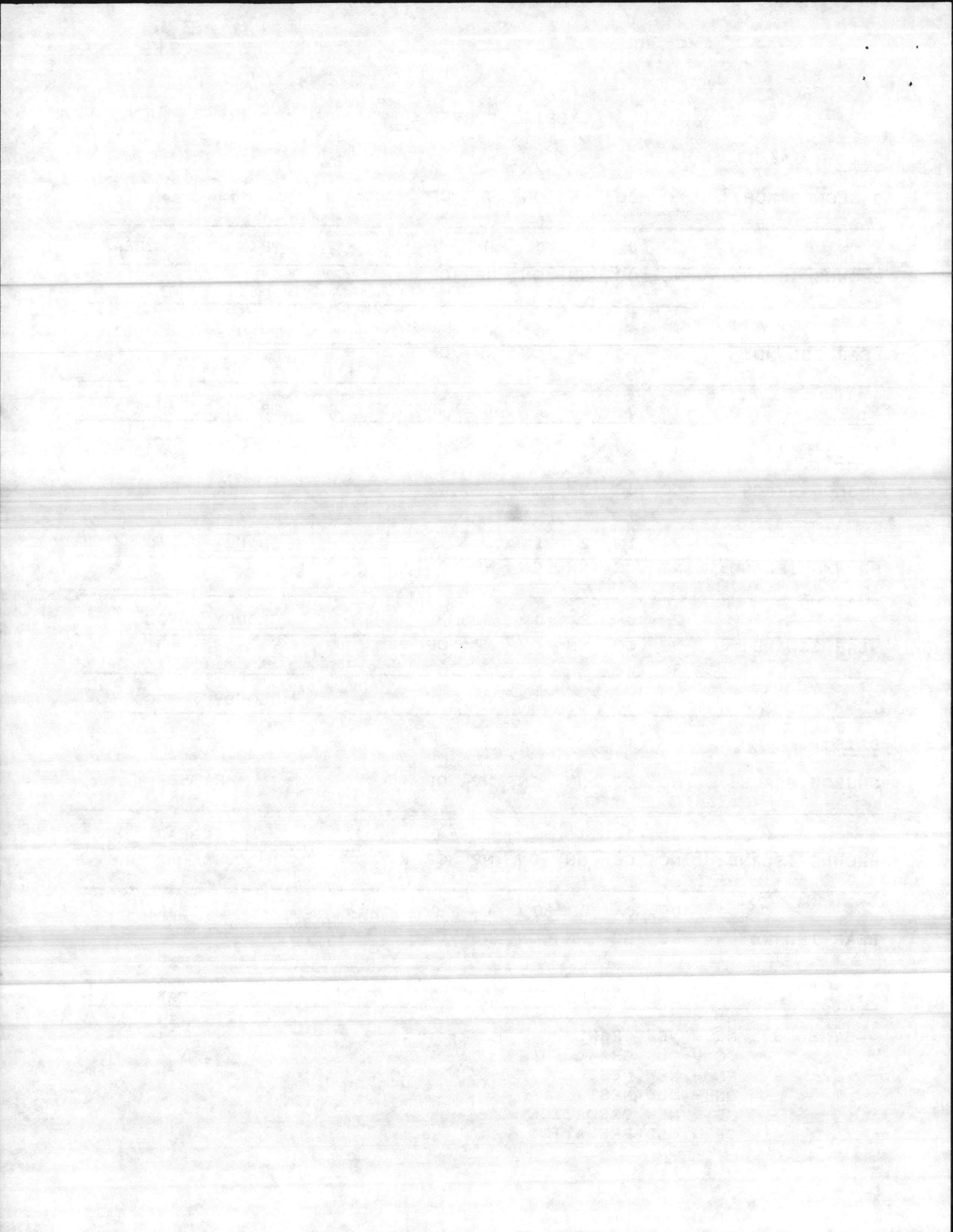
DATE: 6/5/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	2	1	2	1	0	0	CLOUDY / FOG
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	2	0	2	0	0	0	CLOUDY / FOG
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	0	1	0	0	0	0	CLOUDY / FOG

DATE: 6/9/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	0	0	0	0	0	0	CLEAR
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	0	0	0	0	0	0	CLEAR
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	1	0	1	0	0	0	CLEAR

--SYMBOLS: NC = NEW CRAWL
 OC = OLD CRAWL
 NN = NEW NEST
 ON = OLD NEST
 NP = NEW PREDATION
 OP = OLD PREDATION



AERIAL SURVEY

DATE: 6/12/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	2	0	2	0	0	0	PARTLY CLOUDY
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	1	0	1	0	0	0	PARTLY CLOUDY
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	0	0	0	0	0	0	PARTLY CLOUDY

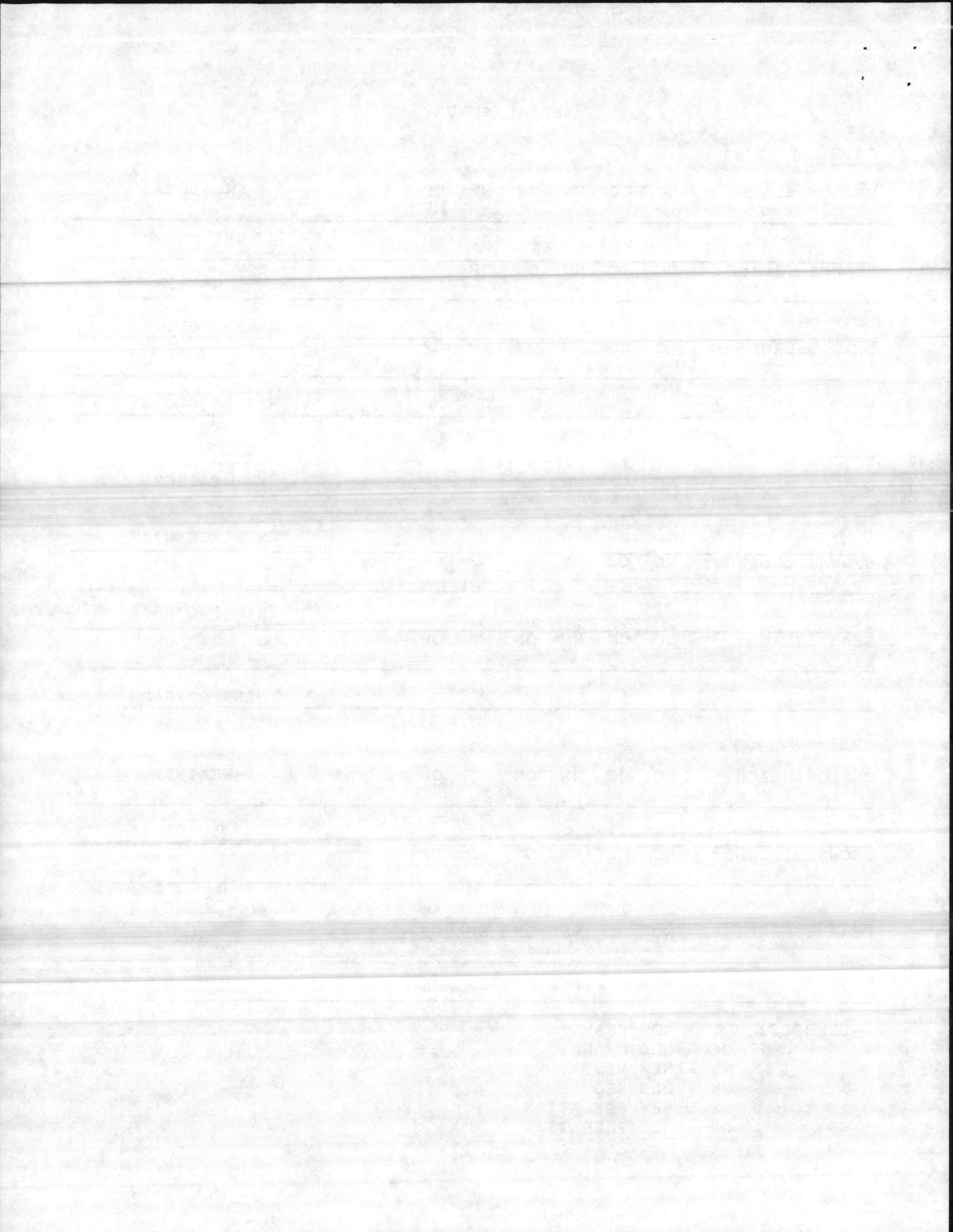
DATE: 6/16/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	0	1	0	0	0	0	THIN FOG/HAZE
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	0	0	0	0	0	0	THIN FOG/HAZE
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	3	0	3	0	0	0	THIN FOG/HAZE

DATE: 6/19/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	0	0	0	0	0	0	HAZE
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	2	0	2	0	0	0	HAZE
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	0	0	0	0	0	0	HAZE

--SYMBOLS: NC = NEW CRAWL
 OC = OLD CRAWL
 NN = NEW NEST
 ON = OLD NEST
 NP = NEW PREDATION
 OP = OLD PREDATION



AERIAL SURVEY

DATE: 6/23/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	2	0	0	0	0	0	PARTLY CLOUDY
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	1	0	0	0	0	0	PARTLY CLOUDY
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	0	0	0	0	0	0	PARTLY CLOUDY

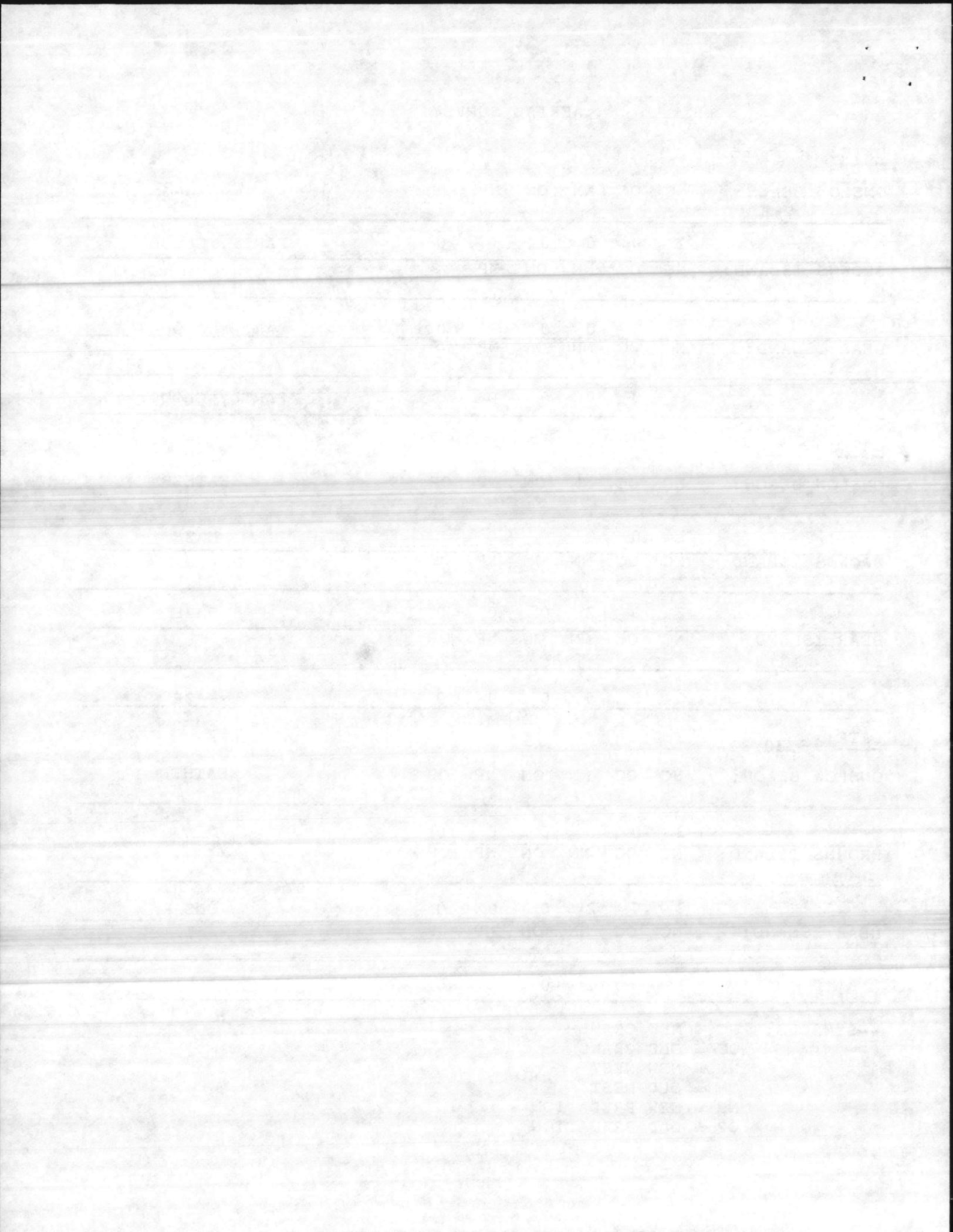
DATE: 6/26/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	1	0	0	0	0	0	HAZE
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	2	0	2	0	0	0	HAZE
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	0	0	0	0	0	0	HAZE

DATE: 6/30/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	3	0	3	0	0	0	CLEAR
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	3	0	2	0	0	0	CLEAR
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	1	0	1	0	0	0	CLEAR

--SYMBOLS: NC = NEW CRAWL
 OC = OLD CRAWL
 NN = NEW NEST
 ON = OLD NEST
 NP = NEW PREDATION
 OP = OLD PREDATION



AERIAL SURVEY

DATE: 7/3/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	1	0	0	0	0	0	THUNDERSTORM
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	2	0	1	0	0	0	THUNDERSTORM
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	3	0	2	0	0	0	THUNDERSTORM

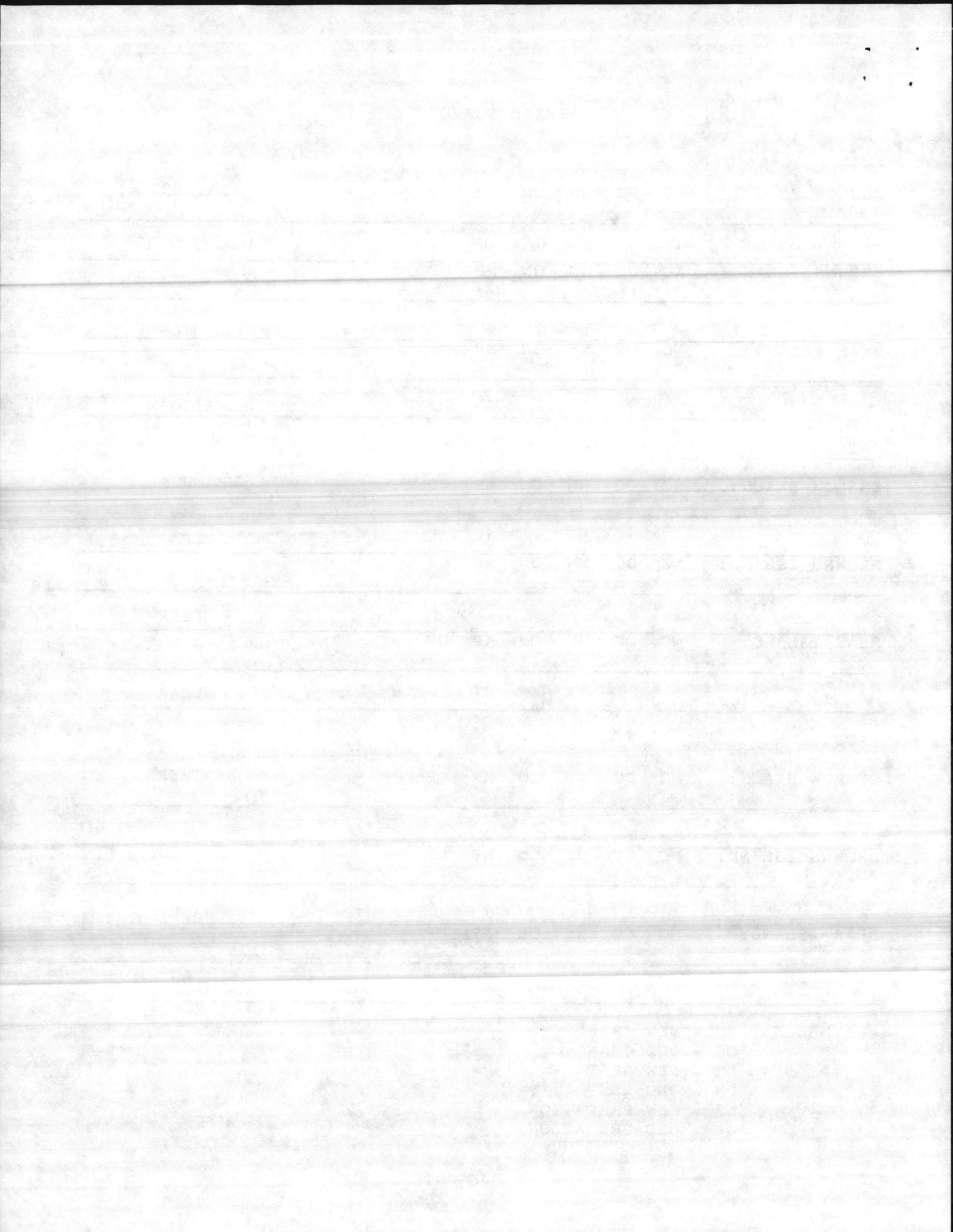
DATE: 7/7/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	4	0	4	0	1	0	CLEAR
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	3	0	3	0	0	0	CLEAR
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	4	0	4	0	0	0	CLEAR

DATE: 7/10/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	2	0	2	0	0	0	HAZE
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	8	0	8	0	0	0	HAZE
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	3	0	3	0	0	0	HAZE

--SYMBOLS: NC = NEW CRAWL
 OC = OLD CRAWL
 NN = NEW NEST
 ON = OLD NEST
 NP = NEW PREDATION
 OP = OLD PREDATION



AERIAL SURVEY

DATE: 7/14/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	6	0	5	0	0	0	HAZE
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	3	0	3	0	0	0	HAZE
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	0	0	0	0	0	0	HAZE

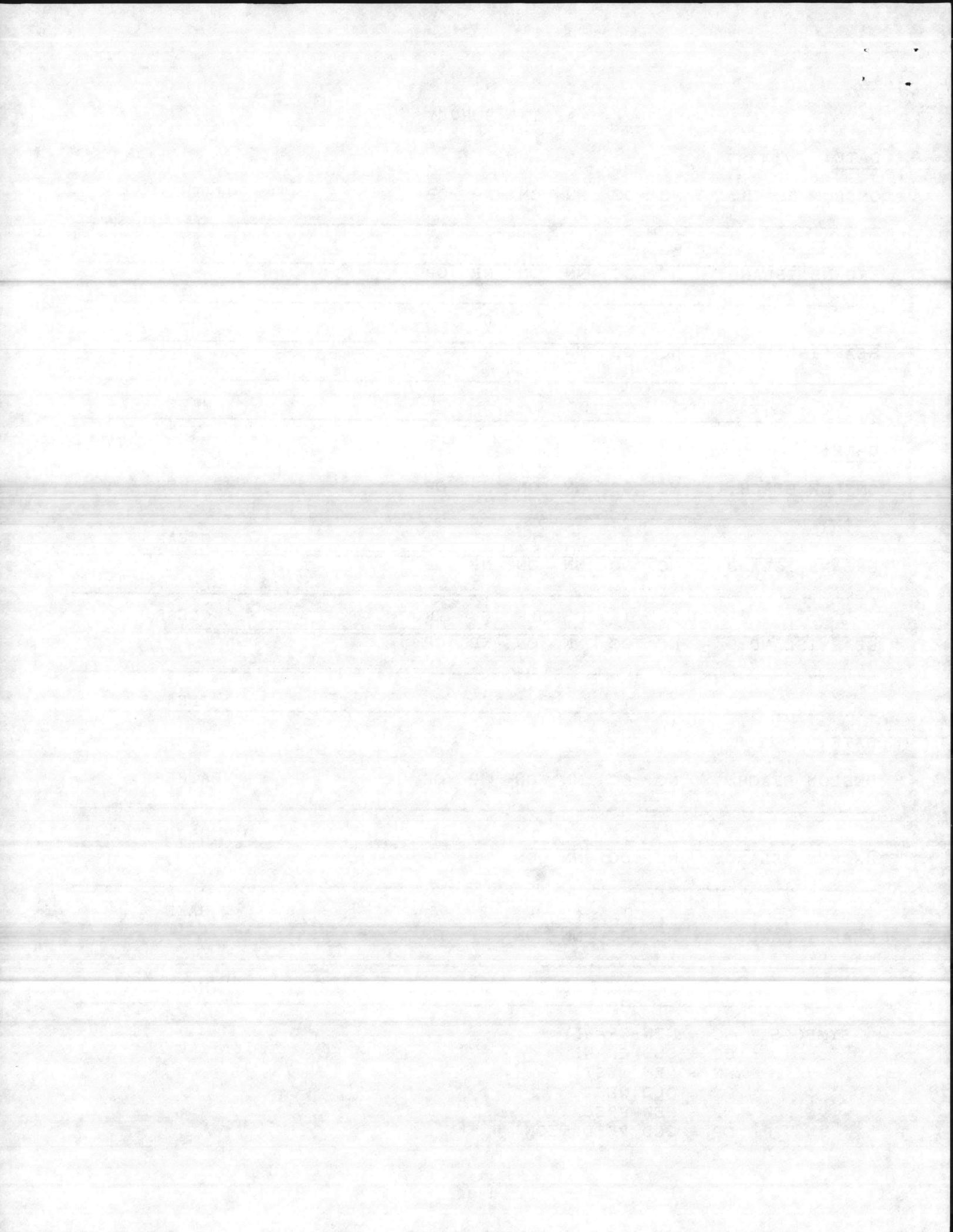
DATE: 7/17/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	1	0	1	0	0	0	CLEAR
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	2	0	1	0	0	0	CLEAR
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	0	0	0	0	0	0	CLEAR

DATE: 7/21/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	2	0	2	0	0	0	HAZE
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	2	0	2	0	2	0	HAZE
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	0	0	0	0	0	0	HAZE

--SYMBOLS: NC = NEW CRAWL
 OC = OLD CRAWL
 NN = NEW NEST
 ON = OLD NEST
 NP = NEW PREDATION
 OP = OLD PREDATION



AERIAL SURVEY

DATE: 7/24/87

ONSLOW BEACH: NC OC NN ON NP OP WEATHER

UNABLE TO

BROWNS ISLAND: NC OC NN ON NP OP

SEE ANY TURTLE

BEAR ISLAND: NC OC NN ON NP OP

ACTIVITY DUE TO
GROUND FOG

DATE: 7/28/87

ONSLOW BEACH: NC OC NN ON NP OP WEATHER

8 2 8 0 1 0 HAZE

BROWNS ISLAND: NC OC NN ON NP OP

2 0 1 0 0 0 HAZE

BEAR ISLAND: NC OC NN ON NP OP

1 1 1 0 0 0 HAZE

DATE: 7/31/87

ONSLOW BEACH: NC OC NN ON NP OP WEATHER

8 0 6 0 0 0 CLEAR

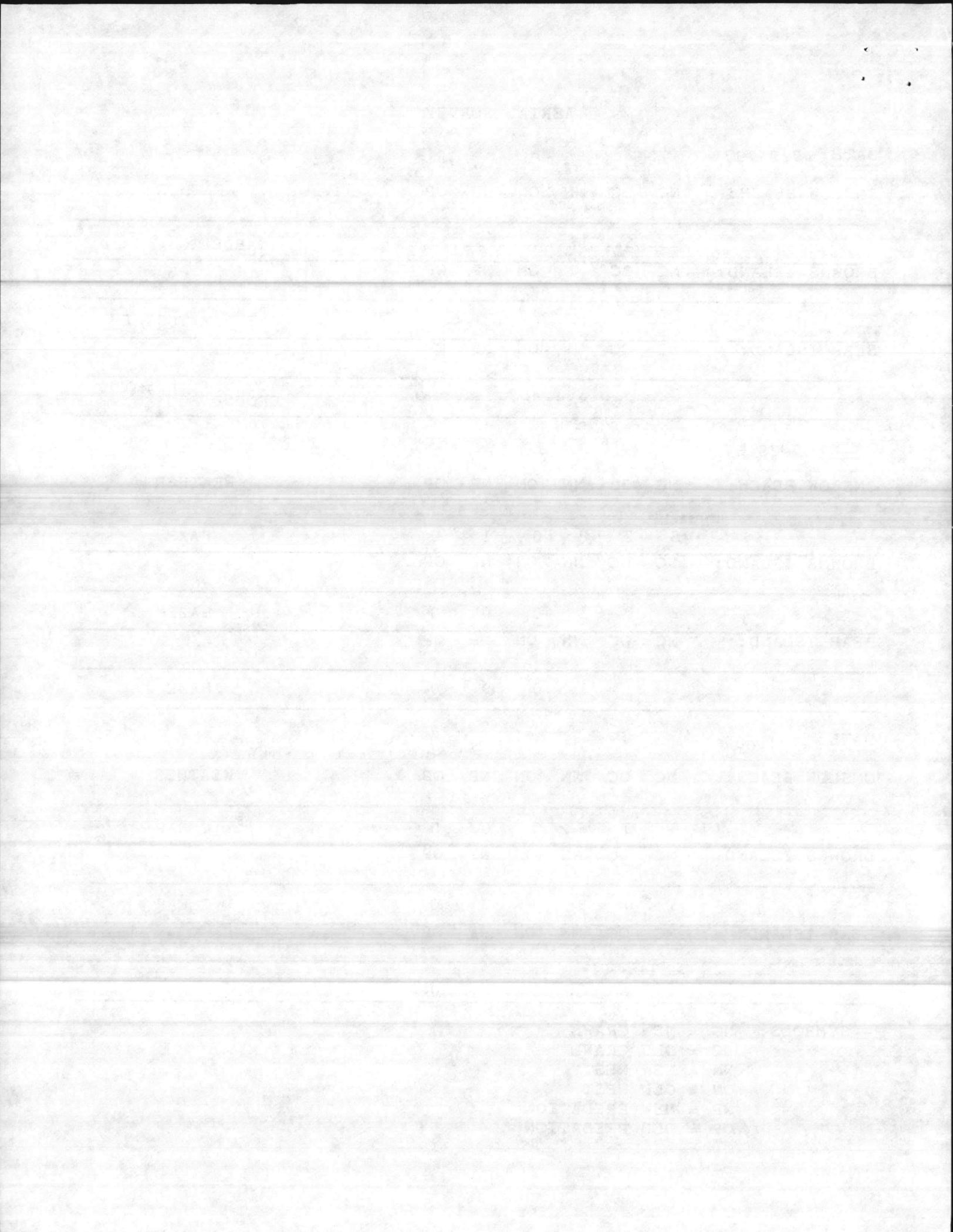
BROWNS ISLAND: NC OC NN ON NP OP

3 0 3 0 0 0 CLEAR

BEAR ISLAND: NC OC NN ON NP OP

1 0 1 0 0 0 CLEAR

--SYMBOLS: NC = NEW CRAWL
OC = OLD CRAWL
NN = NEW NEST
ON = OLD NEST
NP = NEW PREDATION
OP = OLD PREDATION



AERIAL SURVEY

DATE: 8/4/87

ONSLOW BEACH: NC OC NN ON NP OP WEATHER

0 2 0 2 0 0 HAZE/FOG

BROWNS ISLAND: NC OC NN ON NP OP

5 1 5 1 0 0 HAZE/FOG

BEAR ISLAND: NC OC NN ON NP OP

1 0 1 0 0 0 HAZE/FOG

DATE: 8/8/87

ONSLOW BEACH: NC OC NN ON NP OP WEATHER

2 0 1 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: 8/11/87

ONSLOW BEACH: NC OC NN ON NP OP WEATHER

4 0 3 0 0 0 OVERCAST

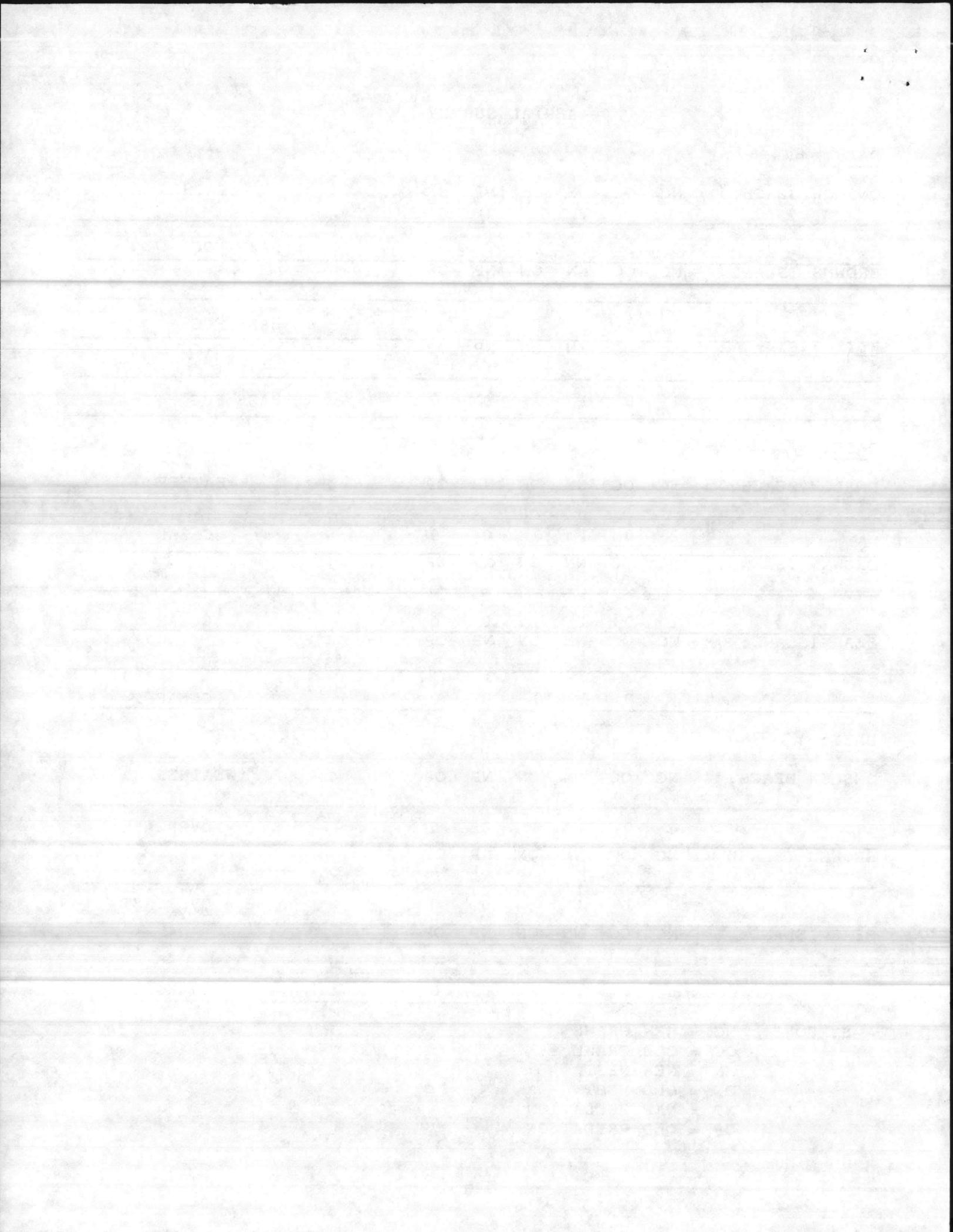
BROWNS ISLAND: NC OC NN ON NP OP

0 1 0 0 0 0 OVERCAST

BEAR ISLAND: NC OC NN ON NP OP

1 0 1 0 0 0 OVERCAST

--SYMBOLS: NC = NEW CRAWL
 OC = OLD CRAWL
 NN = NEW NEST
 ON = OLD NEST
 NP = NEW PREDATION
 OP = OLD PREDATION



AERIAL SURVEY

DATE: 8/14/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	0	0	0	0	0	0	OVERCAST
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	1	0	1	0	0	0	OVERCAST
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	0	0	0	0	0	0	OVERCAST

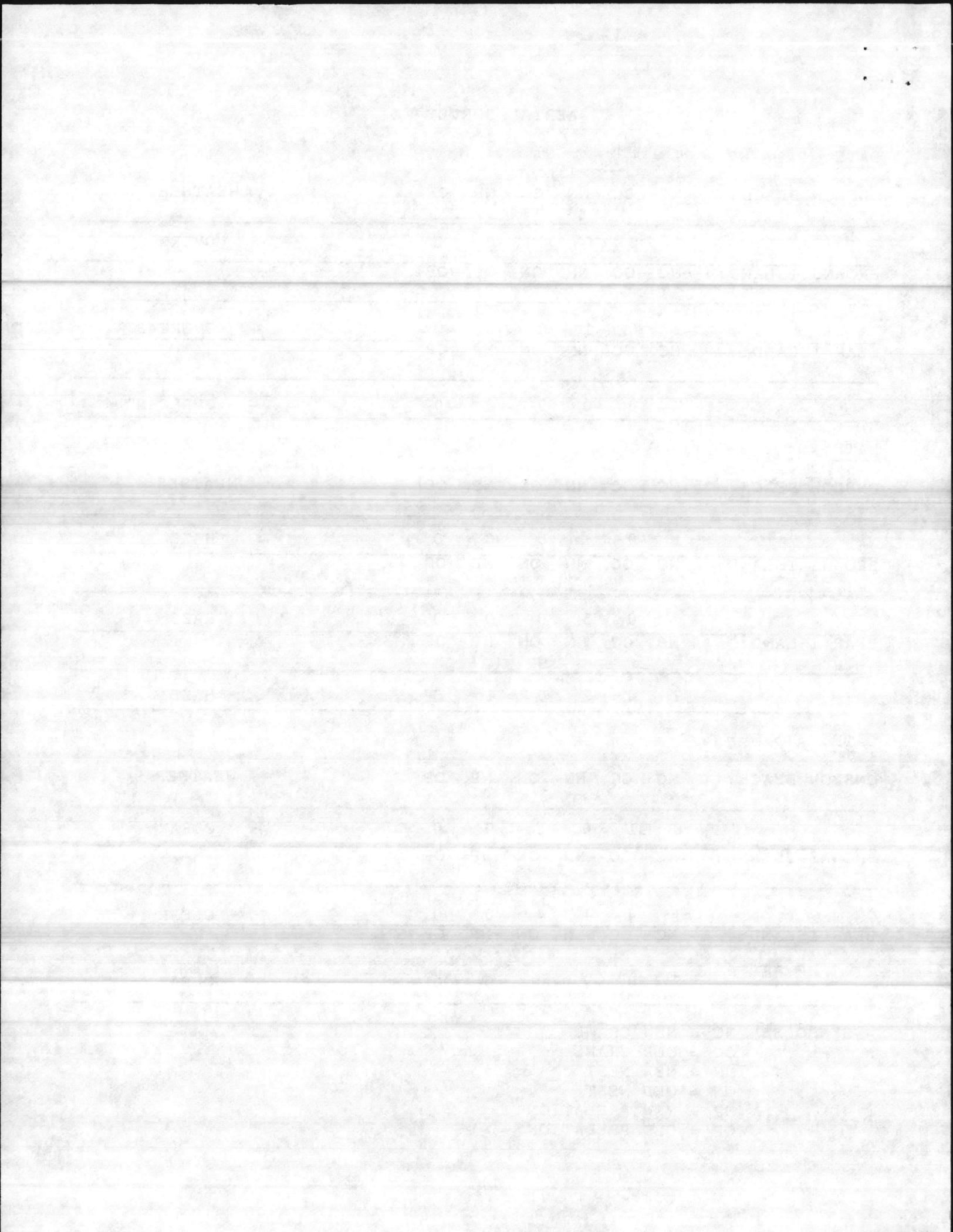
DATE: 8/18/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	1	0	1	0	0	0	HAZE
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	5	0	5	0	0	0	HAZE
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	2	0	2	0	1	0	HAZE

DATE: 8/21/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	0	1	0	1	0	0	CLEAR
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	1	4	1	4	0	0	CLEAR
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	2	0	2	0	0	0	CLEAR

--SYMBOLS: NC = NEW CRAWL
 OC = OLD CRAWL
 NN = NEW NEST
 ON = OLD NEST
 NP = NEW PREDATION
 OP = OLD PREDATION



AERIAL SURVEY

DATE: 8/25/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	2	0	2	0	1	0	LIGHT RAIN SHOWERS
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	1	0	1	0	0	0	LIGHT RAIN SHOWERS
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	0	0	0	0	0	0	LIGHT RAIN SHOWERS

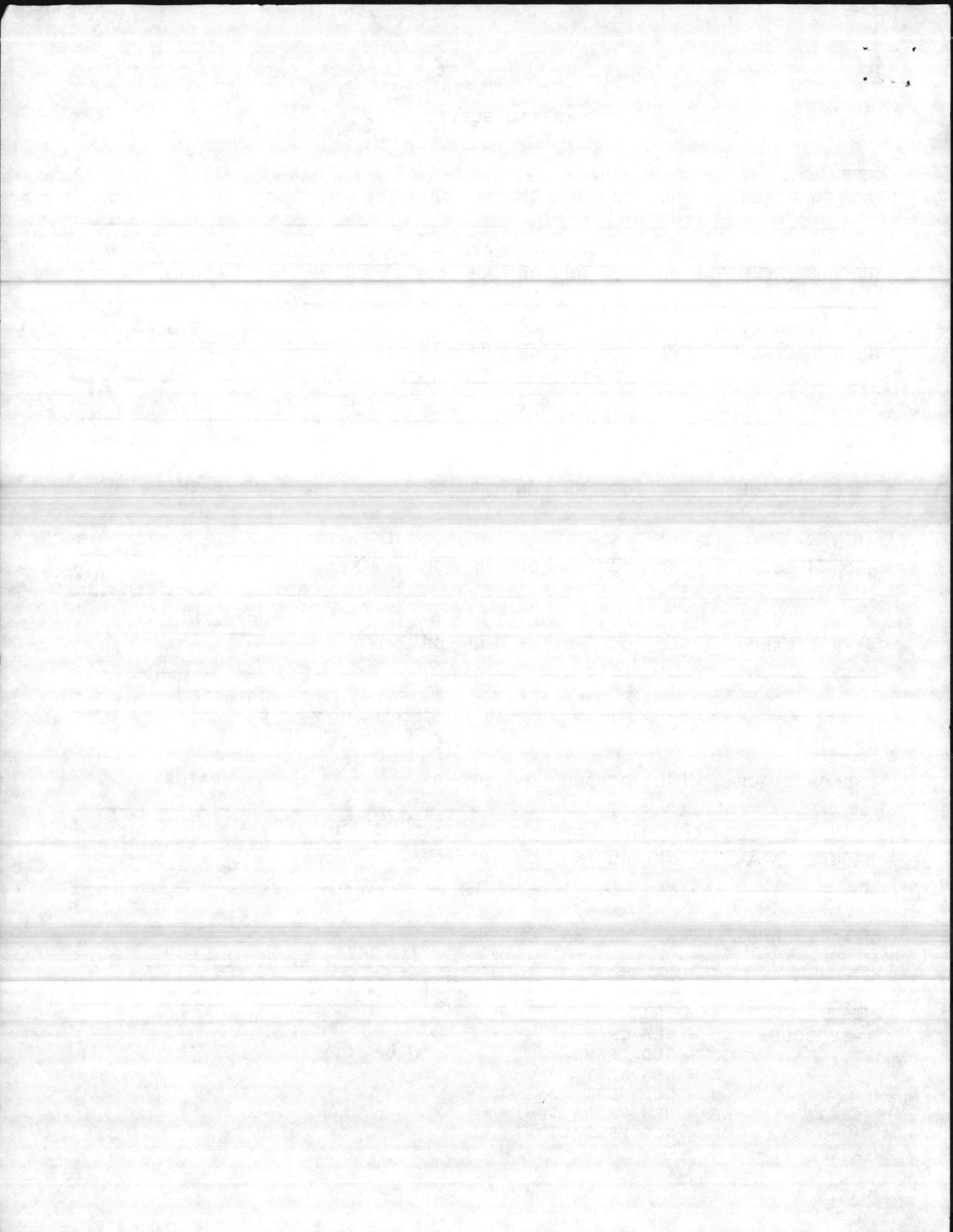
DATE: 8/28/87

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
	1	0	1	0	0	0	FOG/HAZE
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
	0	0	0	0	0	0	FOG/HAZE
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	
	0	0	0	0	0	0	FOG/HAZE

DATE:

ONSLOW BEACH:	NC	OC	NN	ON	NP	OP	WEATHER
BROWNS ISLAND:	NC	OC	NN	ON	NP	OP	
BEAR ISLAND:	NC	OC	NN	ON	NP	OP	

--SYMBOLS: NC = NEW CRAWL
 OC = OLD CRAWL
 NN = NEW NEST
 ON = OLD NEST
 NP = NEW PREDATION
 OP = OLD PREDATION



NEST AND CRAWL ACTIVITY
ONslow BEACH, MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA

Nests - upper map

Crawls no nest - lower map

Dots indicate multiple usage

All nests laid south of Riseley's Pier were relocated to north of Riseley's Pier in accordance with the biological opinion for Sea Turtles.

