FILE FOLDER

DESCRIPTION ON TAB:

Sea Turtle Report

'83

☑ **Outside/inside of actual folder did not contain hand written information**

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Confidential Records Management, Inc.
New Bern, NC
1-888-622-4425
9/08

COOPERATIVE MARINE TURTLE TAGGING PROGRAM
TAGGING DATA (NESTING TURTLES)

Tag Number(s) (list all tag #'s and letter prefix) AAR - 081 AAR - 082 Species Caretta Date Encountered 7-29-83

Describe location encountered 2.9 (N) Risley pier

Circle correct answer:

"New" turtle (not carrying any tags or tag scars) (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 scar

Tag return address (if other than NMFS Lab/Vir Key) _____

Carapace length straight line _____ cm _____ in

Carapace width straight line _____ cm _____ in

Carapace length over curve _____ cm _____ in

Carapace width over curve _____ cm _____ in

Did turtle nest? Yes No Undetermined (circle one)

Additional remarks or data (use back if necessary) _____

Organization Tagging NREAD Facilites, Section Marine Corps Base, Camp LeJeune, N.C.

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 6-2-83 Time: 2130

General Weather Conditions Fair

Air Temperature 73°F ~~°C~~ Sea Water Temperature 71°F ~~°C~~

Wind Speed and Direction ~5 Knots - S

Cloud Cover 15% Moon None (Half Moon rose at ~0130)

Tide Fairly Low (Rising/Falling) Humidity ____ %

Comments

Date 6-3-83 Time: 2245

General Weather Conditions Fair

Air Temperature 74°F ~~°C~~ Sea Water Temperature 72°F ~~°C~~

Wind Speed and Direction 10-15 Knots SE

Cloud Cover 10% Moon None

Tide Midway (~~Rising~~/Falling) Humidity ____ %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 6-4-83 Time: 2000

General Weather Conditions Cloudy

Air Temperature 75°F °C Sea Water Temperature 72°F °C

Wind Speed and Direction N. 15 Knots

Cloud Cover 70% Moon demenishing 3/4

Tide Low, falling (Rising/Falling) Humidity %

Comments Raw two crusos on Low Tide one on 3/4 high tide - SHB

Date 6-5-83 Time: 2230

General Weather Conditions Partly Cloudy

Air Temperature 73°F °C Sea Water Temperature 70°F °C

Wind Speed and Direction 5-10 knots SE

Cloud Cover 40% Moon None

Tide Low (Rising/Falling) Humidity %

Comments Very dark night + at approximately 0130 to 0200 a thunderstorm approached the beach w/ rain and heavy thunder & lightning.

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 6-6-83 Time: 2130

General Weather Conditions Cloudy

Air Temperature 78°F ~~°C~~ Sea Water Temperature 73°F ~~°C~~

Wind Speed and Direction 5-10 Knots SE

Cloud Cover 70% Moon None

Tide Low (Rising/Falling) Humidity ____ %

Comments

Date 6-7-83 Time: 2230

General Weather Conditions CLOUDY, RAINY

Air Temperature 78° °C Sea Water Temperature 70° °C

Wind Speed and Direction 0-5 Knots South

Cloud Cover 95-70 Moon none

Tide MIDWAY (Rising/Falling) Humidity ____ %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 6-8-83 Time: 2230

General Weather Conditions Fair

Air Temperature 69° °C Sea Water Temperature 70°F °C

Wind Speed and Direction NE 5 Knots

Cloud Cover 20 % Moon none

Tide MID (Rising/Falling) Humidity %

Comments

Date 6-9-83 Time: 2245

General Weather Conditions Fair

Air Temperature 70°F ~~°C~~ Sea Water Temperature 69°F ~~°C~~

Wind Speed and Direction 5-10 KNOTS NE

Cloud Cover 20% Moon None

Tide Midway (Rising/Falling) Humidity %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 6-10-83 Time: 2340

General Weather Conditions Fair

Air Temperature 68° F °C Sea Water Temperature 68° F °C

Wind Speed and Direction 5 Knots NE

Cloud Cover 0 % Moon none

Tide MIDWAY (Rising/Falling) Humidity %

Comments

Date 6-11-83 Time: 0030

General Weather Conditions Fair

Air Temperature 65 F °C Sea Water Temperature 70° F °C

Wind Speed and Direction 5 Knots East

Cloud Cover 0 % Moon none

Tide MIDWAY (Rising/Falling) Humidity %

Comments

back
6-12
6-13

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

1.6
4.3

Date 6-12-83 Time: 2330

13.6 General Weather Conditions Clear

Air Temperature 75°F °C Sea Water Temperature 72°F °C

Wind Speed and Direction 0-5 knots NE

Cloud Cover 10% Moon 1/4

Tide 3/4 High (Rising/Falling) Humidity %

Comments

Date 6-13-83 Time: 2200

General Weather Conditions Partly Cloudy

Air Temperature 80°F °C Sea Water Temperature 71°F °C

Wind Speed and Direction 0-3 knots SE

Cloud Cover 50% Moon

Tide High (Rising/Falling) Humidity %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 6-10-83 Time: 2340

General Weather Conditions Fair

Air Temperature 68° F °C Sea Water Temperature 68° F °C

Wind Speed and Direction 5 Knots NE

Cloud Cover 0 % Moon none

Tide MIDWAY (Rising/Falling) Humidity %

Comments

Date 6-11-83 Time: 0030

General Weather Conditions Fair

Air Temperature 65 F °C Sea Water Temperature 70° F °C

Wind Speed and Direction 5 Knots East

Cloud Cover 0 % Moon none

Tide MIDWAY (Rising/Falling) Humidity %

Comments

back
6-12
6-13

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

7.6
4.3

Date 6-12-83 Time: 2330

13.6 General Weather Conditions Clear

Air Temperature 75° F °C Sea Water Temperature 72° F °C

Wind Speed and Direction 0-5 knots NE

Cloud Cover 10% Moon 1/4

Tide 3/4 High (Rising/Falling) Humidity %

Comments

Date 6-13-83 Time: 2200

General Weather Conditions Partly Cloudy

Air Temperature 80° F °C Sea Water Temperature 71° F °C

Wind Speed and Direction 0-3 knots SE

Cloud Cover 50% Moon

Tide High (Rising/Falling) Humidity %

Comments

TURTLE PROJECT

1.9 4.2

Nightly Weather Conditions

On-Site Observations

Date 6-14-83 Time: 0200

General Weather Conditions Fair

Air Temperature 75°F °C Sea Water Temperature 73°F °C

Wind Speed and Direction 0-5 Knots SE

Cloud Cover 20% Moon ½

Tide Midway (Rising/~~Falling~~) Humidity %

Comments

Date 6-15-83 Time: 2130

General Weather Conditions Clear

Air Temperature 77°F °C Sea Water Temperature 75°F °C

Wind Speed and Direction 5-10 Knots NE

Cloud Cover 10% Moon Half

Tide Midway (Rising/Falling) Humidity %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 6-16-83 Time: 2130

General Weather Conditions Clear

Air Temperature 75°F °C Sea Water Temperature 79°F °C

Wind Speed and Direction 5-10 knots NE

Cloud Cover 5-10% Moon

Tide mid way (Rising/Falling) Humidity %

Comments

Date 6-17-83 Time: 1330

General Weather Conditions Clear

Air Temperature 75°F °C Sea Water Temperature 79°F °C

Wind Speed and Direction B-1

Cloud Cover 10% Moon 1/2 FULL

Tide Rising (Rising/Falling) Humidity %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 6 - 18 - 83 Time: 2040

General Weather Conditions CLEAR

Air Temperature 77° F °C Sea Water Temperature 79 °F °C

Wind Speed and Direction B-3

Cloud Cover 2% Moon 1/2 FULL

Tide 2100 (Rising/Falling) Humidity %

Comments

Date 6-19-83 Time: 2130

General Weather Conditions ~~Hazy~~, Partly cloudy

Air Temperature 75 °F ~~°C~~ Sea Water Temperature 80 ~~°F~~ °C

Wind Speed and Direction 0-5 knots SE

Cloud Cover 30% Moon 3/4

Tide Low (Rising/Falling) Humidity %

Comments very hazy

20

21 on back

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 6-20-83 Time: 2200

General Weather Conditions Cloudy, hazy

Air Temperature 72°F ~~°C~~ Sea Water Temperature 80°F ~~°C~~

Wind Speed and Direction 0-5 knots SE

Cloud Cover 70% Moon 3/4

Tide Midway (Rising/Falling) Humidity ____ %

Comments

Date 6-21-83 Time: 2200

General Weather Conditions cloudy

Air Temperature 73°F ~~°C~~ Sea Water Temperature 79°F ~~°C~~

Wind Speed and Direction 0-5 knots NE

Cloud Cover 80% Moon

Tide Midway (Rising/Falling) Humidity ____ %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 6-22-83 Time: 2130

General Weather Conditions Partly Cloudy

Air Temperature 74°F ~~°C~~ Sea Water Temperature 79 F °C

Wind Speed and Direction 5-10 KNOTS NE

Cloud Cover 50% Moon almost Full

Tide 3/4 high (Rising/Falling) Humidity %

Comments

Date 6-23-83 Time: 2130

General Weather Conditions Fair

Air Temperature 25.5 °C Sea Water Temperature °C

Wind Speed and Direction 5-10 East

Cloud Cover 25 % Moon Near Full

Tide 1/4 Falling (Rising/Falling) Humidity 1/4 %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 6-24 Time: 2200

General Weather Conditions Fair

Air Temperature 78 °C Sea Water Temperature 78 °C

Wind Speed and Direction 5-10 SW

Cloud Cover 0 Moon Full

Tide Hi (Rising/Falling) Humidity Hi %

Comments Good Night for turtles

Date 6-25-83 Time: 2200

General Weather Conditions Cloudy

Air Temperature 78 °C Sea Water Temperature 79 °C

Wind Speed and Direction 5-10 SW

Cloud Cover 90 % Moon Full

Tide Hi (Rising/Falling) Humidity Hi %

Comments Look like storms brewing

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 6-20-83 Time: 2400

General Weather Conditions Partly Cloudy

Air Temperature 75°F °C Sea Water Temperature 79°F °C

Wind Speed and Direction 10-15 Knots S

Cloud Cover 50% Moon Full

Tide Low (Rising/Falling) Humidity %

Comments

Date 6-21-83 Time: 2115

General Weather Conditions Partly Cloudy

Air Temperature 78°F °C Sea Water Temperature 80°F °C

Wind Speed and Direction 10-15 SE

Cloud Cover 60% Moon None Visible

Tide High (Rising/Falling) Humidity %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 6-28-83 Time: 2200

General Weather Conditions Partly Cloudy

Air Temperature 80°F ~~°C~~ Sea Water Temperature 79°F °C

Wind Speed and Direction 15-20 knots S

Cloud Cover 40 Moon —

Tide high (Rising/Falling) Humidity %

Comments

Date 6-29-83 Time: 2200

General Weather Conditions cloudy

Air Temperature 75°F °C Sea Water Temperature 79°F °C

Wind Speed and Direction 5-10 knots S

Cloud Cover 50% Moon

Tide Midway (Rising/Falling) Humidity %

Comments Lightning off of Beach

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 6-30-83 Time: 2130

General Weather Conditions Partly Cloudy

Air Temperature 78 °C Sea Water Temperature 78 °C

Wind Speed and Direction 5-10 ESE changed to SW

Cloud Cover 35% Moon 3/4

Tide H (Rising/Falling) Humidity Hi %

Comments

Date 7-1-83 Time: 2230

General Weather Conditions Partly Cloudy

Air Temperature 78 °C Sea Water Temperature 79 °C

Wind Speed and Direction 5-10 - SW

Cloud Cover 60% Moon Not up yet waining

Tide Mid (Rising/Falling) Humidity Hi %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 7-5-82 Time: 0130

General Weather Conditions Cloudy

Air Temperature 75°F °C Sea Water Temperature 78°F °C

Wind Speed and Direction 0-5 SW

Cloud Cover 100 % Moon —

Tide Low (Rising/Falling) Humidity %

Comments Heavy thunderstorms most of the night

Date 7-6-83 Time: 2130

General Weather Conditions Cloudy

Air Temperature 78°F °C Sea Water Temperature 78°F °C

Wind Speed and Direction 0-2 knots S

Cloud Cover 90% Moon

Tide Low (Rising/Falling) Humidity %

Comments

7-1-83 028 tags 2200 2.1 (N)

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 7-7-83 Time: 2200

General Weather Conditions Clear

Air Temperature 74°F °C Sea Water Temperature 75°F °C

Wind Speed and Direction 0-5 knots NE

Cloud Cover 15% Moon —

Tide Low (Rising/Falling) Humidity %

Comments

Date 7-8-83 Time: 1400

General Weather Conditions CLEAR

Air Temperature 88°F °C Sea Water Temperature 79°F °C

Wind Speed and Direction 5-10 knots EAST

Cloud Cover 0 Moon NEW MOON

Tide Low (Rising/Falling) Humidity %

Comments

7-9

7-10 on back

25.8 25.8 21.8 / 4.0

25.8 23.5 / 2.3

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 7-9-83 Time: 1020

General Weather Conditions Clear

Air Temperature 76° F °C Sea Water Temperature 72° F °C

Wind Speed and Direction EAST 10 Knots

Cloud Cover 0 % Moon none

Tide High (Rising/Falling) Humidity %

Comments

Date 7-10-83 Time: 2200

General Weather Conditions Cloudy

Air Temperature 78°F °C Sea Water Temperature 78°F °C

Wind Speed and Direction 10-12 Knots E

Cloud Cover 95% Moon —

Tide high (Rising/Falling) Humidity %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 7-11-83 Time: 2230

General Weather Conditions Partly Cloudy

Air Temperature 78°F °C Sea Water Temperature 79°F °C

Wind Speed and Direction 0-5 knots E

Cloud Cover 30% Moon —

Tide High (Rising/Falling) Humidity %

Comments

Date 7-13-83 Time: 2400

General Weather Conditions Clear

Air Temperature 78°F °C Sea Water Temperature 79°F °C

Wind Speed and Direction 5-10 knots S

Cloud Cover 10% Moon 1/4 (not visible)

Tide High (Rising/Falling) Humidity %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 7-14-83 Time: 2200

General Weather Conditions Fair to Partly cloudy

Air Temperature 80°F °C Sea Water Temperature 80°F °C

Wind Speed and Direction 0-2 Knots S

Cloud Cover 20% Moon almost ½

Tide high (Rising/Falling) Humidity %

Comments Lightning in the distance (to the south)

Date 7-15-83 Time: 0125

General Weather Conditions Clear, clouds over ocean

Air Temperature 85° F °C Sea Water Temperature 80° F °C

Wind Speed and Direction 0-5 Knots SE

Cloud Cover 10% Moon half

Tide high (Rising/Falling) Humidity %

Comments

7-25 on back

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 7-25-83 Time: 2400

General Weather Conditions Cloudy

Air Temperature 80°F °C Sea Water Temperature 80°F °C

Wind Speed and Direction 0-5 knots S

Cloud Cover 85% Moon Not visible (Full)

Tide Low (Rising/Falling) Humidity %

Comments

Date Time:

General Weather Conditions

Air Temperature °C Sea Water Temperature °C

Wind Speed and Direction

Cloud Cover Moon

Tide (Rising/Falling) Humidity %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 7-16-83 Time: 0330

General Weather Conditions Clear

Air Temperature 80°F °C Sea Water Temperature 78°F °C

Wind Speed and Direction 15 Knots

Cloud Cover 0 Moon 1/2 Full

Tide Rising (Rising/Falling) Humidity Light %

Comments Poole - Jones

Date 7-17-83 Time: 2230

General Weather Conditions Partly cloudy

Air Temperature 81°F °C Sea Water Temperature 80 °F °C

Wind Speed and Direction 0-5 knots S

Cloud Cover 45% Moon 1/2

Tide Low (Rising/Falling) Humidity High %

Comments

7-22

7-23 on back

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 7-22-83 Time: 2310

General Weather Conditions Cloudy - Some Rain

Air Temperature 73 °F °C Sea Water Temperature 75 °F °C

Wind Speed and Direction South 10K

Cloud Cover 70 % Moon almost Full

Tide MIDWAY (Rising/Falling) Humidity %

Comments

Date 7-23-83 Time: 2340

General Weather Conditions FAIR

Air Temperature 80 °F °C Sea Water Temperature 75 °F °C

Wind Speed and Direction SW 10K

Cloud Cover 10 % Moon Full

Tide MIDWAY (Rising/Falling) Humidity %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 7-18-83 Time: 2215

General Weather Conditions Fair but hazy

Air Temperature 84°F °C Sea Water Temperature 82°F °C

Wind Speed and Direction 0-5 knots S

Cloud Cover 10% Moon 3/4

Tide very low (Rising/Falling) Humidity %

Comments Hazy

Date 7-19-83 Time: 2200

General Weather Conditions Partly cloudy

Air Temperature 84°F °C Sea Water Temperature 82°F °C

Wind Speed and Direction 0-5 knots S

Cloud Cover 40% Moon 3/4 (not visible

Tide Low (Rising/Falling) Humidity %

Comments

7-20

7-21 on board

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 7-20-[illegible] Time: 2300

General Weather Conditions Fair

Air Temperature 83°F °C Sea Water Temperature 80°F °C

Wind Speed and Direction 5-10 Knots S

Cloud Cover 15% Moon almost Full

Tide Low (Rising/Falling) Humidity %

Comments

Date 7-21-83 Time: 2130

General Weather Conditions Clear

Air Temperature 85°F °C Sea Water Temperature 80°F °C

Wind Speed and Direction 10-15 Knots S

Cloud Cover 5% Moon almost Full

Tide Midway (Rising/Falling) Humidity %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 7-25-83 Time: 2213

General Weather Conditions Cloudy, rainy

Air Temperature 78°F ~~°C~~ Sea Water Temperature 80°F °C

Wind Speed and Direction 0-5 knots S

Cloud Cover 95% Moon not visible (Full)

Tide high (Rising/Falling) Humidity %

Comments

Date 7-26-83 Time: 2130

General Weather Conditions Partly Cloudy

Air Temperature 79°F ~~°C~~ Sea Water Temperature °C

Wind Speed and Direction 5-10 knots N

Cloud Cover 40% Moon Not visible (Full

Tide High (Rising/Falling) Humidity %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 7-27-83 Time: 2130

General Weather Conditions Clear

Air Temperature 79°F ~~°C~~ Sea Water Temperature 80°F ~~°C~~

Wind Speed and Direction 5-10 knots N

Cloud Cover 15% Moon Not visible (Full)

Tide High (Rising/Falling) Humidity %

Comments

Date 7-28-83 Time: 2230

General Weather Conditions Clear

Air Temperature 80°F ~~°C~~ Sea Water Temperature 80°F ~~°C~~

Wind Speed and Direction 5-10 knots E

Cloud Cover 15% Moon Not visible (almost Full)

Tide High (Rising/Falling) Humidity %

Comments

8-4 on back

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 8-4-83 Time: 2-3

General Weather Conditions Hazy

Air Temperature 81°F °C Sea Water Temperature 81°F °C

Wind Speed and Direction 0-5 knots E

Cloud Cover 25% Moon not visible

Tide Low (Rising/Falling) Humidity %

Comments

Date 8-5-83 Time: 0200

General Weather Conditions Clear

Air Temperature 80° F °C Sea Water Temperature 74°F °C

Wind Speed and Direction 15 - 25 knots

Cloud Cover 0° Moon ~~UN~~ not visable

Tide (Rising/Falling) Humidity medium %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 7-29-83 Time: 0345

General Weather Conditions Cldy -

Air Temperature 72°F °C Sea Water Temperature 76°F °C

Wind Speed and Direction 10 KNOTS

Cloud Cover 25% Moon 3/4 ON WAYNE

Tide FALLING (Rising/Falling) Humidity Medium %

Comments Started at 2000 - 80% cloudy - Cleared to 25%.

Date 7-30-83 Time: 2040

General Weather Conditions mostly clear

Air Temperature 80°F °C Sea Water Temperature 79°F °C

Wind Speed and Direction 12-15 Knots SE

Cloud Cover 5% Moon TO WAYNE 3/4

Tide (Rising/Falling) Humidity Med. %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 8-2-83 Time: 2230

General Weather Conditions Partly Cloudy

Air Temperature 82°F °C Sea Water Temperature 81°F °C

Wind Speed and Direction 5-10 knots S

Cloud Cover 50% Moon not visible (new)

Tide Low (Rising/Falling) Humidity %

Comments

Date 8-3-83 Time: 21 30

General Weather Conditions Cloudy

Air Temperature 77°F °C Sea Water Temperature 79°F °C

Wind Speed and Direction 10-15 knots E

Cloud Cover 90% Moon not visible

Tide Low (Rising/Falling) Humidity %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 7-31-83 Time: 2230

General Weather Conditions Partly Cloudy

Air Temperature 82°F °C Sea Water Temperature 80°F °C

Wind Speed and Direction 10-15 knots S

Cloud Cover 30% Moon Not visible (bad weather)

Tide mid way (Rising/Falling) Humidity %

Comments

Date 8-1-83 Time: 0230

General Weather Conditions Partly Cloudy

Air Temperature 81°F °C Sea Water Temperature 81°F °C

Wind Speed and Direction 5-10 knots SE

Cloud Cover 35% Moon Not visible

Tide mid way (Rising/Falling) Humidity %

Comments

8-2
8-3 on back

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 8-6-83 Time: 2100

General Weather Conditions 80%/90% cloudy - slight wind stormy -

Air Temperature 75° F °C Sea Water Temperature 80° F °C

Wind Speed and Direction 5-10 Knots South

Cloud Cover 80-90% Moon

Tide (Rising/Falling) Humidity Light %

Comments

Date 8-8-83 Time: 2200

General Weather Conditions Partly cloudy

Air Temperature 82°F °C Sea Water Temperature 82°F °C

Wind Speed and Direction 5-10 Knots S

Cloud Cover 45% Moon Not visible

Tide High (Rising/Falling) Humidity %

Comments

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date 8-12-83 Time: 0240

General Weather Conditions Cldy

Air Temperature 75°F °C Sea Water Temperature 75°F °C

Wind Speed and Direction 10-15 Knots S.W.

Cloud Cover 60% Moon

Tide (Rising/Falling) Humidity %

Comments Temperature droping - cold front Approaching.

Date 8-13-83 Time: 2045

General Weather Conditions Clear

Air Temperature 72°F °C Sea Water Temperature 75°F °C

Wind Speed and Direction 10 Knots out of Southwest

Cloud Cover 5% Moon 3/4 full

Tide (Rising/Falling) Humidity %

Comments Cldys in N. west

TURTLE PROJECT

Nightly Weather Conditions

On-Site Observations

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

Date _____ Time: _____

General Weather Conditions _____

_____

Air Temperature _____ °C Sea Water Temperature _____ °C

Wind Speed and Direction _____

Cloud Cover _____ Moon _____

Tide _____ (Rising/Falling) Humidity _____ %

Comments _____

_____

_____

SEA TURTLE INVENTORY
(Crawl Data)

Marine Corps Base
Camp Lejeune, North Carolina

Crawl No.	Date	Time Crawl Occurred	Active Nest (√)	Location*	Comments

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 made or throught to have occurred. Conduct surveys daily during regular working hours 0800-1630 traveling by four wheel drive vehicle when tide is low. Traverse the beach flood plane in vehicle to avoid leaving tire tracks in the sand.

Sea Turtle Inventory
(Hatching Success)
Marine Corps Base
Camp Lejeune, North Carolina

Nest No.(1)	Incubation Period (2)	No. Eggs Laid (3)	No. Unhatched Eggs (4)	No. Released Young (5)	No. Emerged Young (6)	No. total Young (7)	Percent of Success

Instructions: (1) Enter nest number which coincides with crawl number on Sea Turtle Inventory (Crawl Data) Sheet. (2) Enter date turtle nested and date of hatching to determine incubation period. (3) Enter number of eggs laid. (4) Enter number eggs remaining which did not hatch. (5) enter number of hatchlings released from the nest. (6) Enter number of hatchlings which emerged from nest on their own. (7) Enter number released young plus number emerged young. (8) Divide number total young by No. eggs laid to find percent of success.

Sea Turtle Inventory
(Hatching Success)
Marine Corps Base
Camp Lejeune, North Carolina

Nest No.(1)	Incubation Period (2)	No. Eggs Laid (3)	No. Unhatched Eggs (4)	No. Released Young (5)	No. Emerged Young (6)	No. total Young (7)	Percent of Success

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Sea Turtle Inventory
(Hatching Success)
Marine Corps Base
Camp Lejeune, North Carolina

Nest No.(1)	Incubation Period (2)	No. Eggs Laid (3)	No. Unhatched Eggs (4)	No. Released Young (5)	No. Emerged Young (6)	No. total Young (7)	Percent of Success

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Sea Turtle Inventory
(Hatching Success)
Marine Corps Base
Camp Lejeune, North Carolina

Nest No.(1)	Incubation Period (2)	No. Eggs Laid (3)	No. Unhatched Eggs (4)	No. Released Young (5)	No. Emerged Young (6)	No. total Young (7)	Percent of Success

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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

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 made or throught to have occurred. Conduct surveys daily during regular working hours 0800-1630 traveling by four wheel drive wehicle when tide is low. Traverse the beach flood plane in vehicle to avoid leaving tire tracks in the sand.

SEA TURTLE INVENTORY
(Crawl Data)

Marine Corps Base
Camp Lejeune, North Carolina

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SEA TURTLE INVENTORY

for

SUMMER AND FALL 1983

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

JULIAN I. WOOTEN
DIRECTOR

CHARLES D. PETERSON
SUPERVISORY WILDLIFE
MANAGER

SAM F. POOLE
WILDLIFE BIOLOGIST

BRIAN C. SPAULDING
BIOLOGICAL TECHNICIAN

HUGH R. PASSINGHAM
BIOLOGICAL TECHNICIAN

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

TABLE OF CONTENTS

INTRODUCTION

The sea turtle inventory for 1983 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 hatchling 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 36 hours of egg laying to a safe beach location and not to a laboratory. Relocated nests are required to be monitored and hatchling success documented.

The results of the aforementioned programs are as follows:

a. Nest protection from predators, 100%.

b. Tagging of adults - number of turtles tagged - 14. Tag return data may be reviewed in Table II, page 7.

c. Nesting data - number of nests - 42

d. Total number of crawls - 103

e. Total number of eggs - 5,031

f. Total number of hatchlings - 3,753

g. Number of tag returns - 4

h. Number stranded turtles - 2

Stranding reports were submitted to the North Carolina Wildlife Resources Stranding Network Coordinator. Carcasses were buried on the beach.

Percent hatchling success is 80.9% nesting and crawl data is compiled in Tables I, II, III, IV and V, and Graphs I and II on pages 2 through 15. The enclosed maps indicate locations of turtle activity on Onslow Beach.

Aerial survey data may be found in Table V, page 12.

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 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.

SEA TURTLE INVENTORY
(Crawl Data)

TABLE I
Marine Corps Base
Camp Lejeune, North Carolina

Crawl No.	Date	Time Crawl Occurred	Active Nest	Location*	Comments
001	6-8-83	2330	X	1.6(S)	Relocated to dune 160 eggs Tags AAR 051.
002	6-11-83	0330		2.6(N)	C.O.
003	6-13-83	0330-0600		3.5(N)	C.O.
004	6-13-83	0330-0600		2.3(N)	C.O.
005	6-15-83	2330	X	1.6(S)	Relocated from 1.2(S) 121 eggs
006	6-15-83	2330		2.6(S)	C.O.
007	6-15-83	2400	X	2.3)S	Relocated from 2.9(S) 158 eggs Tags AAR 053,
008	6-16-83	2300	X	3.7(N)	Relocated from 3.9(N) 142 eggs Tags AAR 055,
009	6-16-83	2400		0.5(S)	C.O.
010	6-17-83	0430	X	1.1(N)	94 eggs. Relocated to d
011	6-17-83	0330-0600		3.0(N)	C.O.
012	6-18-83	2300	X	3.6(N)	Relocated 8' to dune 129 eggs
013	6-18-83	2400		2.3(N)	C.O.
014	6-18-83	2430		3.7(N)	C.O.
015	6-19-83	2200	X	2.3(S)	Relocated from 2.7(S) 90 eggs Return IBS 813
016	6-19-83	0135	X	2.3(N)	Relocated from 2.0(N) 133 eggs Tags AAR 059,
017	6-20-83	2300	X	3.6(N)	Relocated to dune 105 eggs Tags AAR 061,
018	6-20-83	0230	X	2.3(N)	Relocated to dune ** 138 eggs Return IMS768
019	6-20-83	0330-0600		1.6(N)	C.O.
020	6-24-83	2200	X	2.2(N)	Relocated to dune 107 eggs Tags AAR 065,
021	6-26-83	2330	X	2.2(N)	Relocated from 0.7(S) 130 eggs

** Retagged AAR 063, 064

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 made or thought to have occurred. Conduct surveys daily during regular working hours 0800-1630 traveling by four wheel drive vehicle when tide is low. Traverse the beach flood plane in vehicle to avoid leaving tire tracks in the sand.

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

Crawl No.	Date	Time Crawl Occurred	Active Nest	Location*	Comments
022	6-28-83	0200	X	1.0(N)	Relocated to dunes 111 eggs
023	6-30-83	2200		2.6(S)	Return IMS 716, AAR 071 C.O. disturbed turtle
024	6-30-83	0045		1.7(N)	C.O.
025	7-1-83	0200		2.1(N)	C.O. Tags AAR 067, 068
026	7-1-83	2200		2.7(N)	Disturbed turtle C.O. Tags AAR 069, 070
027	7-1-83	2130	X	4.0(N)	Relocated to dune 138 eggs Ret. IMS 813,81
028	7-1-83	2200	X	2.3(N)	Relocated to dune 17 Eggs Ret.IMS716,AARC
029	7-2-83	0030		3.7(N)	C.O.
030	7-2-83	0200		1.6(N)	C.O.
031	7-2-83	0215	X	0.1(N)	Relocated from 0.05(S) 122 eggs Ret.AAR 067,068
032	7-2-83	0215		0.6(S)	C.O.
033	7-2-83	0215	X	2.1(N)	Return AAR 069,070 134 eggs
034	7-2-83	2145		1.6(N)	C.O.
035	7-2-83	2245		2.1(N)	C.O.
036	7-2-83	2245	X	2.7(N)	Relocated to dune 135 eggs Ret.AAR 059,060
037	7-2-83	2315		3.0(N)	C.O. Return IMS 817,064
038	7-2-83	2330	X	0.6(N)	Relocated from 1.0(S) 137 eggs Tags AAR 072,07
039	7-3-83	0145	X	0.6(N)	Relocated to dune 99 eggs Ret.IMS716 AAR 0
040	7-5-83	2400		2.6(N)	C.O.
041	7-5-83	2200	X	3.0(N)	Relocated 14' to dune 119 eggs
042	7-5-83	2300		3.7(N)	C.O.

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

Crawl No.	Date	Time Crawl Occurred	Active Nest	Location*	Comments
043	7-5-83	2330	X	3.6(N)	56 eggs
044	7-6-83	0300-0600		0.5(N)	C.O.
045	7-8-83	0100	X	0.4(N)	Relocated to dune 144 eggs Tags AAR 074,0
046	7-10-83	2400	X	2.3(S)	Relocated from 3.6(S) 128 eggs Ret.AAR 051, 05
047	7-10-83	0100		0.1(S)	C.O.
048	7-11-83	2300		1.5(N)	C.O.
049	7-11-83	0100	X	2.3(N)	101 eggs. Ret.AAR 065, 0
050	7-11-83	2400	X	2.3(N)	Relocated from 4.5(N) 128 eggs
051	7-13-83	0135		4.2(N)	C.O.
052	7-14-83	2400		2.1(N)	C.O.
053	7-15-83	0300-0600		1.7(N)	C.O.
054	7-15-83	0300-0600	X	1.7(N)	Relocated to dune 142 eggs
055	7-16-83	2120		0.4(N)	C.O.
056	7-16-83	2230	X	0.8(N)	Relocated to dune 58 eggs Tags IMS 820,8
057	7-16-83	2315	X	2.3(N)	Tags IMS 822, 823 117 eggs
058	7-16-83	0040		2.5(N)	C.O.
059	7-16-83	0130	X	0.1(N)	Relocated to dune 116 eggs
060	7-17-83	0300-0600		3.8(N)	C.O. (2 body pits)
061	7-17-83	0300-0600		0.4(N)	C.O.
062	7-17-83	0300-0600		1.2(S)	C.O.
063	7-17-83	2230		0.7(N)	C.O.

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

Crawl No.	Date	Time Crawl Occurred	Active Nest	Location*	Comments
064	7-17-83	2200	X	2.6(N)	Relocated from 2.7(N) 119 eggs Ret.AAR 061, 0
065	7-17-83	2330	X	0.4(N)	Relocated to dune 161 eggs Ret.IMS 716,AA
066	7-17-83	2400	X	0.4(N)	Relocated from 3.1(N) 146 eggs Ret.IMS 768, 7
067	7-21-83	2400		1.8(N)	C.O.
068	7-27-83	2300		4.0(N)	C.O. Ret.IMS 817, 064
069	7-27-83	2300		3.7(N)	C.O. Tags AAR 079,080
070	7-27-83	2300		0.2(S)	C.O. Halfway up beach
071	7-27-83	2400		0.3(N)	C.O.
072	7-28-83	2215		2.2(N)	C.O. Ret. IMS 817,064
073	7-28-83	2230	X	2.1(N)	Relocated to dune 70 eggs Ret. AAR 079,080
074	7-28-83	2230	X	0.4(N)	137 eggs Relocated to du
075	7-28-83	2400		2.9(N)	C.O.
076	7-28-83	0200	X	2.7(N)	134 Eggs Ret.AAR 069, 07
077	7-29-83	0030	X	2.9(N)	Relocated to dune 90 eggs Tags AAR 081,082
078	7-29-83	0200		1.3(N)	C.O.
079	7-29-83	0220	X	0.9(S)	163 eggs Relocated to Du
080	7-30-83	2300	X	2.2(N)	127 eggs Relocated to du
081	7-30-83	2345		2.4(N)	C.O.
082	7-30-83	0300-0600		1.1(S)	C.O.
083	8-3-83	0300-0600		0.1(N)	C.O.
084	8-5-83	2210	X	3.8(N)	140 eggs Relocated to du

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

Crawl No.	Date	Time Crawl Occurred	Active Nest	Location*	Comments
085	8-8-83	2245		2.8(N)	Halfway up beach C.O. Ret.AAR 059, 060
086	8-8-83	2230		2.2(N)	C.O. Halfway up beach
087	8-12-83	2400		2.6(N)	C.O. Halfway up beach
088	8-12-83	0130	X	3.5(N)	Relocated to dune 124 Eggs. Ret.AAR 069,07
089	8-18-83	0120	X	2.9(N)	111 eggs. Reloc. to dun

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 made or thought to have occurred. Conduct surveys daily during regular working hours 0800-1630 traveling by four wheel drive vehicle when tide is low. Traverse the beach flood plane in vehicle to avoid leaving tire tracks in the sand.

TABLE II

RETURN RECORD OF TAGGED TURTLES
1983 SEA TURTLE INVENTORY

Date Tagged	Tag Number	Return	Return	Return	Return
6-30-81 (3)	IMS 746, AAR071	6-30-83 (1)	7-1-83	7-3-83	7-17-8
1981 (4)	IMS 817, 064	7-2-83 (1)	7-27-83 (1)	7-28-83 (1)	
8-1-81 (2)	IMS 768, 769	6-20-83	7-17-83		
	(AAR 063, 064)				
7-27-82	IMS 813, 814	6-19-83	7-1-83		
6-8-83	AAR 051, 052	7-10-83			
6-15-83	AAR 053, 054				
6-16-83	AAR 055, 056				
6-19-83	AAR 059, 060	7-2-83	8-8-83		
6-20-83	AAR 061, 062	7-17-83			
6-24-83	AAR 065, 066	7-11-83			
7-1-83 (1)	AAR 067, 068	7-2-83			
7-1-83 (1)	AAR 069, 070	7-2-83	7-28-83	8-12-83	
7-2-83	AAR 072, 073				
7-8-83	AAR 074, 075				
7-16-83	IMS 820, 821				
7-16-83	IMS 822, 823				
7-27-83 (1)	AAR 079, 080	7-28-83			
7-29-83	AAR 081, 082				

(1) Did not nest

(2) Retagged

(3) Added one tag

(4) Tagged at Cape Lookout

TABLE III

CRAWL INFORMATION IN RELATION TO MOON AND TIDAL CYCLES AND WEATHER CONDITIONS

Date	Moon Rise % Illumin.	Time of High Tide	Time Crawl W/O Nest	Time Crawl W/Nest	Total Crawls	Weather	Temp H2O
6-8-83	0258 - 13%	1730		2330	1	Fair	70° -
6-11-83	0457 - 00%	1955	0330		1	Fair	70° -
6-13-83	0658 - 15%	2138	0730/0400		2	P/Cloudy	71° -
6-15-83	0919 - 20%	2331	2330	2330/2400	3	Clear	75° -
6-16-83	1029 - 30%	2400	2400	2300	2	Clear	79° -
6-17-83	1137 - 41%	0032	0300	0430	2	Clear	77° -
6-18-83	1242 - 52%	0134	2400/2430	2300	3	Clear	79° -
6-19-83	1346 - 63%	0236		2200/0135	2	P/Cloudy	80° -
6-20-83	1448 - 73%	0336	0330/0600	2300/0230	3	Cloudy	80° -
6-24-83	1849 - 98%	1920		2200	1	Fair	78° -
6-26-83	2034 -100%	2039		2330	1	P/Cloudy	79° -
6-28-83	2158 - 94%	2154		0200	1	P/Cloudy	79° -
6-30-83	2303 - 81%	2314	2200/0045/ 0200		3	P/Cloudy	78° -
7-1-83	2340 - 73%	2356	2200/0030/ 0200/0215	2130/2200/ 0215/0215	8	P/Cloudy	79° -
7-2-83	2400 - 65%	0041	2145/2245/ 2315	2245/2330/ 0145	6	-	-
7-5-83	0105 - 35%	0231	2400/2300	2200/2330	4	Cloudy	78° -
7-6-83	0138 - 25%	0326	0330/0600		1	Cloudy	78° -
7-8-83	0301 - 9%	1734		0100	1	Clear	77° -
7-10-83	0458 - 0%	1941	0100	2400	2	Cloudy	78° -
7-11-83	0608 - 0%	2032	2300	0100/2400	3	P/Cloudy	79° -
7-13-83	0834 - 9%	2218	0135		1	Clear	79° -
7-14-83	0945 - 17%	2313	2400		1	P/Cloudy	80° -
7-15-83	1052 - 27%	1148	0300/0600	0330/0600	2	Clear	80° -
7-16-83	1157 - 38%	0011	2120/0040/ 0300/0600/ 0300/0600/ 0300/0600	2230/2315/ 0130	8	Clear	78° -

TABLE III (continued)

CRAWL INFORMATION IN RELATION TO MOON AND TIDAL CYCLES AND WEATHER CONDITIONS

Date	Moon Rise % Illumin.	Time of High Tide	Time Crawl W/O Nest	Time Crawl W/Nest	Total Crawls	Temp Weather	H20 - A
7-17-83	1300 - 49%	0110	2230	2200/2330/ 2400	4	P/Cloudy	80°- 83
7-21-83	1701 - 86%	1728	2400		1	Clear	80°- 85
7-27-83	2114 - 96%	2126	2300/2300/ 2300/2400		4	Clear	80°- 70°
7-28-83	2142 - 92%	2201	2215/2400	2230/2230/ 0030	5	Clear	80°- 80
7-29-83	2210 - 86%	2238	0200	0030/0220	3	Cloudy	76°- 72°
7-30-83	2237 - 79%	2316	2345/0300/ 0600	2200	3	Clear	79°- 80°
8-3-83	0010 - 40%	0150	0300-0600		1	Cloudy	79°- 77°
8-5-83	0138 - 20%	1636		2210	1	Clear	74°- 80°
8-8-83	0455 - 1%	1025	2245/2230		2	P/Cloudy	82°- 82°
8-12-83	0943 - 24%	2252	2400	0130	2	Cloudy	75°- 75°

TABLE IV

GROUND SURVEY NUMBERS

(Nights not separated at Midnight)

Date	Crawls/No Nest	Crawls/Nest	Total
6-8-83	0	1	1
6-9-83	0	0	0
6-10-83	0	0	0
6-11-83	1	0	1
6-12-83	0	0	0
6-13-83	2	0	2
6-14-83	0	0	0
6-15-83	1	2	3
6-16-83	1	1	2
6-17-83	1	1	2
6-18-83	2	1	3
6-19-83	0	2	2
6-20-83	1	2	3
6-21-83	0	0	0
6-22-83	0	0	0
6-23-83	0	0	0
6-24-83	0	1	1
6-25-83	0	0	0
6-26-83	0	1	1
6-27-83	0	0	0
6-28-83	0	1	1
6-29-83	0	0	0
6-30-83	3	0	3
7-1-83	4	4	8
7-2-83	3	3	6
7-3-83	0	0	0
7-4-83	0	0	0
7-5-83	2	2	4
7-6-83	1	0	1
7-7-83	0	0	0
7-8-83	0	1	1
7-9-83	0	0	0
7-10-83	1	1	2
7-11-83	1	2	3
7-12-83	0	0	0
7-13-83	1	0	1
7-14-83	1	0	1
7-15-83	1	1	2
7-16-83	5	3	8
7-17-83	1	3	4
7-18-83	0	0	0
7-19-83	0	0	0
7-20-83	0	0	0
7-21-83	1	0	1
7-22-83	0	0	0
7-23-83	0	0	0
7-24-83	0	0	0
7-25-83	0	0	0
7-26-83	0	0	0
7-27-83	4	0	4
7-28-83	2	3	5
7-29-83	1	2	3

TABLE IV

GROUND SURVEY NUMBERS

Nights not separated at midnight

Date	Crawls/No Nest	Crawls/Nest	Total
7-30-83	2	1	3
7-31-83	0	0	0
8-1-83	0	0	0
8-2-83	0	0	0
8-3-83	1	0	1
8-4-82	0	0	0
8-5-83	0	1	1
8-6-83	0	0	0
8-7-83	0	0	0
8-8-83	2	0	2
8-9-83	0	0	0
8-10-83	0	0	0
8-11-83	0	0	0
8-12-83	1	1	2
8-13-83	0	0	0

TABLE V

1983

AERIAL SURVEY

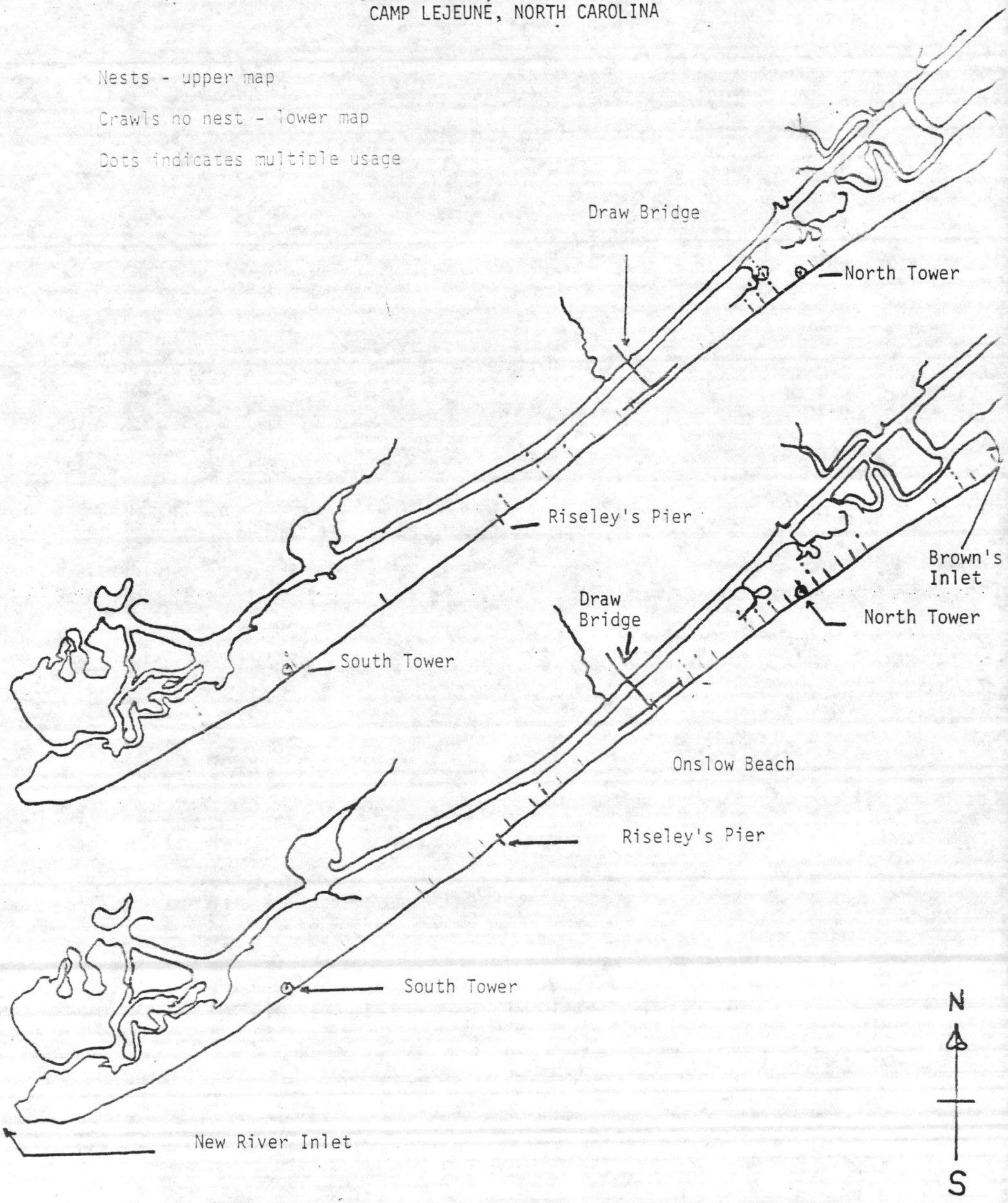
Date	ONSLOW BEACH						BROWNS ISLAND						HAMMOCKS BEACH						Weather Condition
	NC	OC	NN	ON	NP	OP	NC	OC	NN	ON	NP	OP	NC	OC	NN	ON	NP	OP	
5-26-83																			Fog/clear
5-31-83															1				Fog/cloudy
6-3-83																1			Fog/cloudy
6-7-83																			Fog/rain/cloudy
6-10-83																			Fog/rain/cloudy
6-13-83	1						1		1	1									Clear
6-17-83			5				2		6						1				Fog/clear
6-22-83			1	5			2		2	7	7		1		2	1			Haze/cloudy
6-24-83									1										Fog/cloudy
6-29-83			1						1		1		1		1				Haze/cloudy
7-5-83	2	1	2	1			2		1						2	2	2		Fog/cloudy
7-7-83							2		1				1		2				Haze/cloudy
7-10-83													3		2		1		Haze/fog/cloudy
7-15-83	2		2										1		3	1	1		Fog/cloudy
7-19-83			1	2			2		4		3		3		3	3		1	Haze/fog/cloudy
7-22-83				1						1	1								Rain/cloudy
7-27-83									1	1	2								Clear
7-29-83	1	2	3				1	1	1	1	2		1		1		1		Clear
8-4-83	1		1				2	4			2				2	1			Rain
8-11-83									3	3		2	2		3				Fog
8-19-83															2	3			Haze
8-23-83																			Fog
8-31-83	Did not make Flight-Weather Range Use																		

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

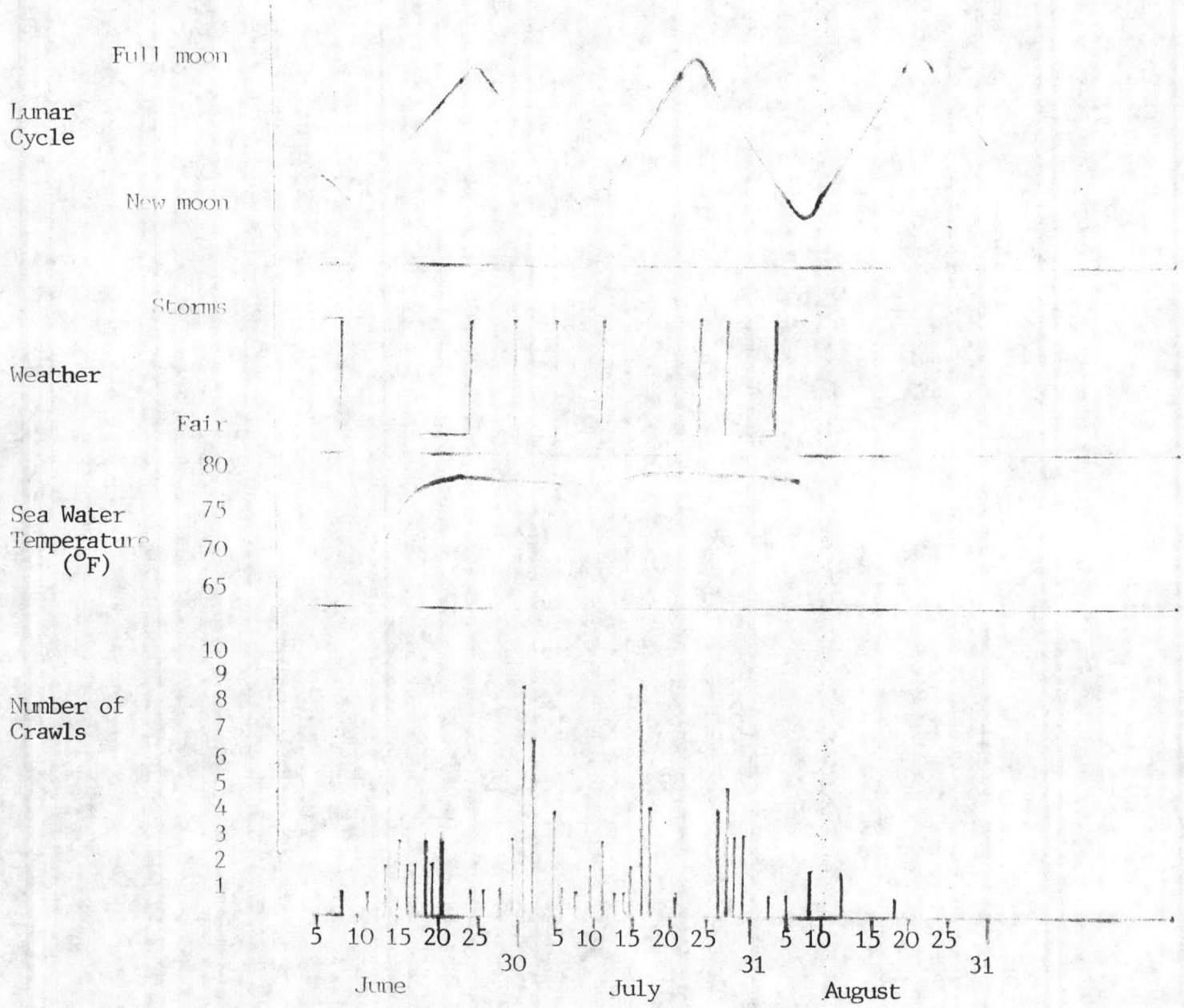


Fig. 1. Crawls in relation to lunar cycle, weather and seawater temperature

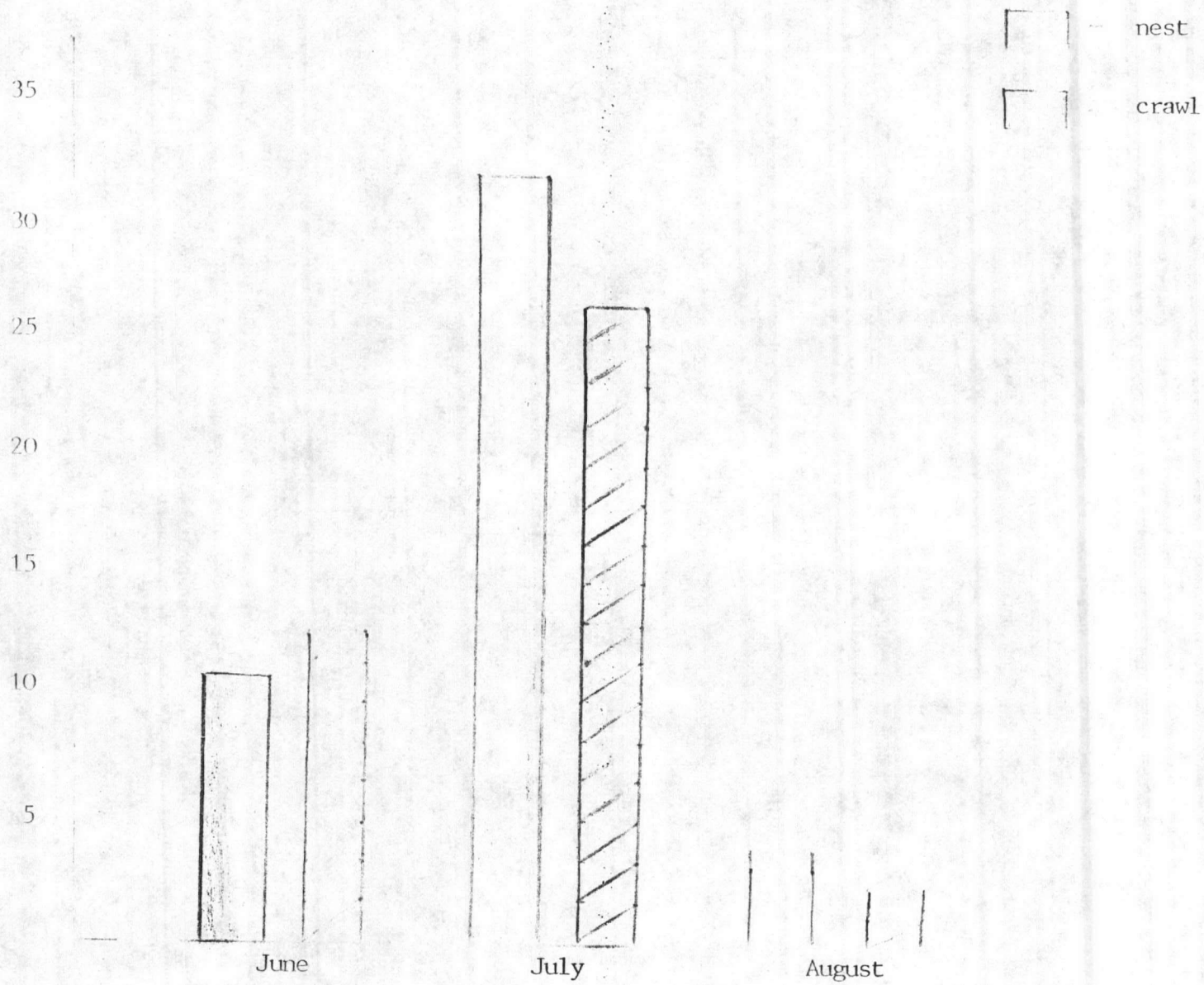


Fig. 2 Total crawls and nests by months

AERIAL SURVEY DATA

Date: Mar 26 1980 Time: S 14:00 F [illegible]

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 5 miles Fog & Haze Cloud Cover Clear

Wind Speed Less than 5K Sea Conditions Light Chop

BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	0	0	0	0
Bear Beach	0	0	0	0	0	0

OCEAN AERIAL SURVEYS Altitude 400 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	0	0	0

Comments:

AERIAL SURVEY DATA

Date: May 31 1982 Time: S 06:00 F 08:30

Recorder Name: H. L. Townsend

Crew Names: None Pilot: Jerry R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 4 miles Fog Cloud Cover 2000 SCT

Wind Speed 240 @ 10-12 K Sea Conditions Chop

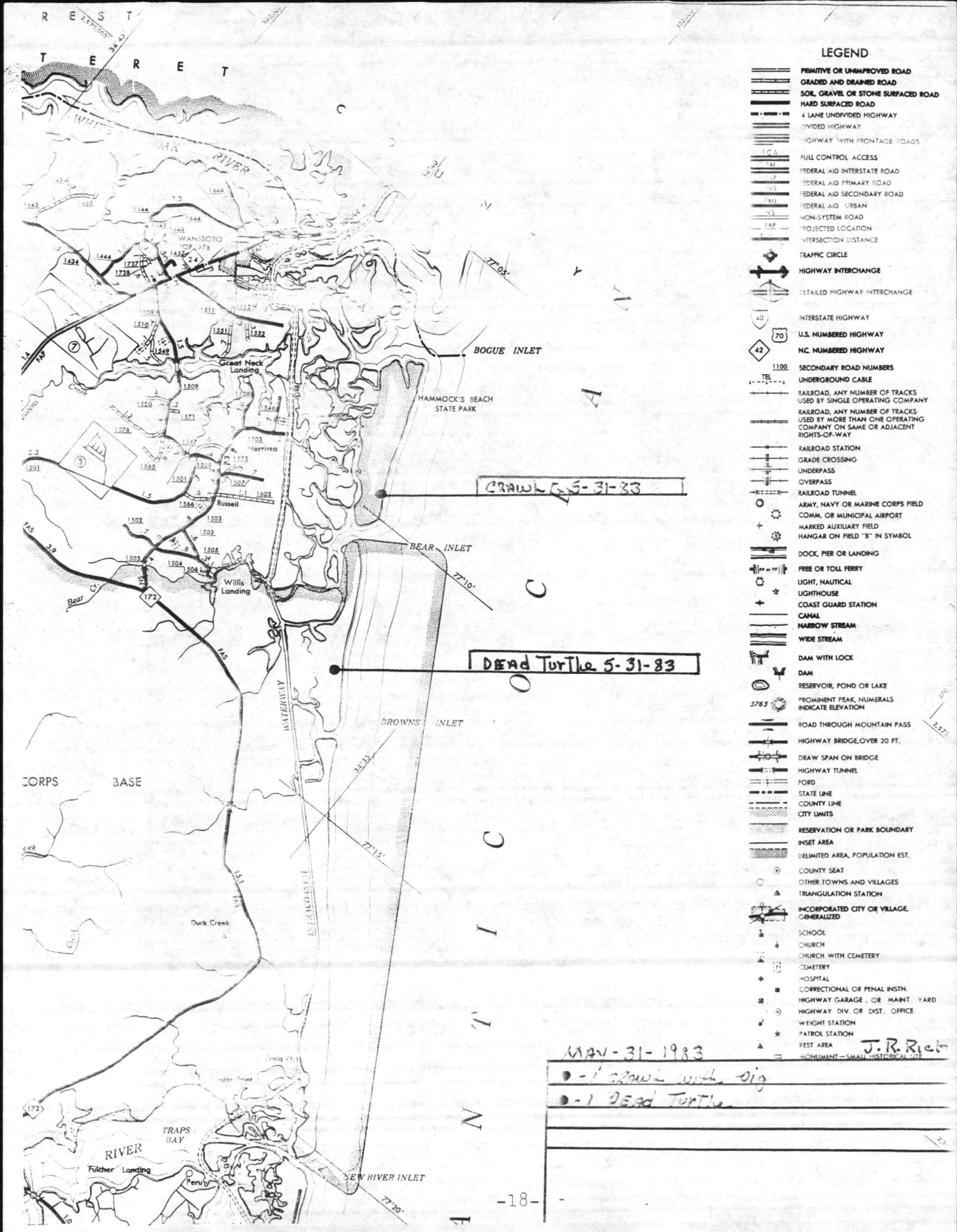
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	0	0	0	0
Bear Beach	0	0	1	0	0	0

OCEAN AERIAL SURVEYS Altitude 400 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet			One dead turtle on Browns Island

Comments:


LEGEND
PRIMITIVE OR UNIMPROVED ROAD
GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FULL CONTROL ACCESS
FEDERAL AID INTERSTATE ROAD
FEDERAL AID PRIMARY ROAD
FEDERAL AID SECONDARY ROAD
FEDERAL AID URBAN
NON-SYSTEM ROAD
PROJECTED LOCATION
INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
INTERSTATE HIGHWAY
U.S. NUMBERED HIGHWAY
N.C. NUMBERED HIGHWAY
SECONDARY ROAD NUMBERS
UNDERGROUND CABLE
RAILROAD, ANY NUMBER OF TRACKS USED BY SINGLE OPERATING COMPANY
RAILROAD, ANY NUMBER OF TRACKS USED BY MORE THAN ONE OPERATING COMPANY ON SAME OR ADJACENT RIGHTS-OF-WAY
RAILROAD STATION
GRADE CROSSING
UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
BEAR INLET
BROWNS INLET
NEW RIVER INLET
WATERWAY
INTRACOASTAL
WANSBORO
Great Neck Landing
Merrissa
Russell
Willis Landing
Duck Creek
TRAPS BAY
RIVER
Fulcher Landing
Peru
CORPS BASE
CRAWL 5-31-83
DEAD TURTLE 5-31-83
MAY-31-1983
J.R. Rich
1 CRAWL with dig
1 DEAD TURTLE

AERIAL SURVEY DATA

Date: June 3 1987 Time: S [illegible] F [illegible]

Recorder Name: J. R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 3 to 5 miles Vis. Cloud Cover 4000 Sct

Wind Speed Less than 5 K Sea Conditions calm

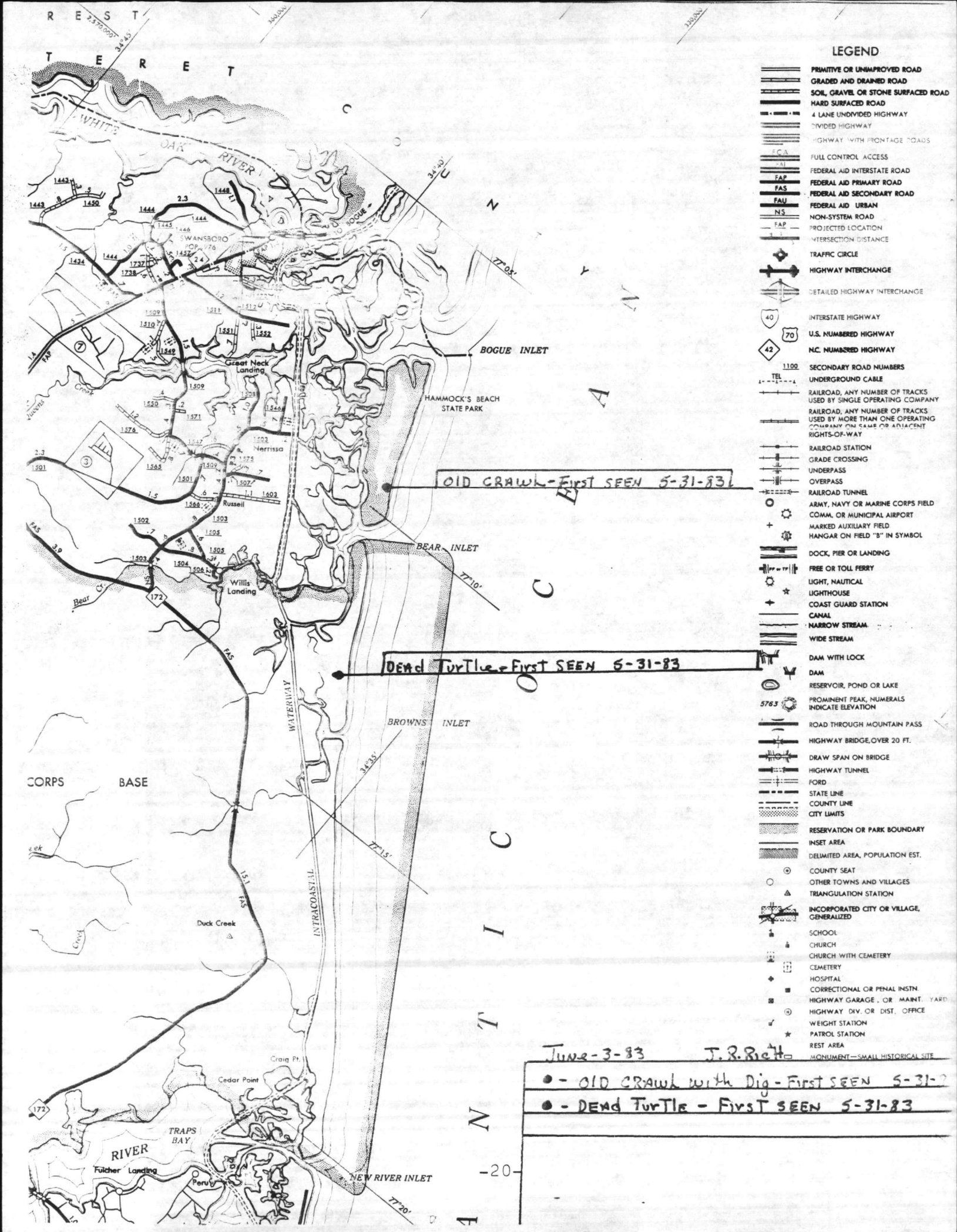
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	0	0	0	0
Bear Beach	0	0	0	1	0	0

OCEAN AERIAL SURVEYS Altitude 400 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	1 Dead Turtle Browns Island first seen 5 31 87.
Bell Buoy from Bogue Inlet to New River Inlet	0	0	

Comments:


LEGEND
PRIMITIVE OR UNIMPROVED ROAD
GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FCA FULL CONTROL ACCESS
FAI FEDERAL AID INTERSTATE ROAD
FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
40 INTERSTATE HIGHWAY
70 U.S. NUMBERED HIGHWAY
42 N.C. NUMBERED HIGHWAY
1100 SECONDARY ROAD NUMBERS
TEL UNDERGROUND CABLE
RAILROAD, ANY NUMBER OF TRACKS USED BY SINGLE OPERATING COMPANY
RAILROAD, ANY NUMBER OF TRACKS USED BY MORE THAN ONE OPERATING COMPANY ON SAME OR ADJACENT RIGHTS-OF-WAY
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GRADE CROSSING
UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
5763 PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
OLD CRAWL - First SEEN 5-31-83
DEAD TURTLE - First SEEN 5-31-83
BOGUE INLET
BEAR INLET
BROWNS INLET
NEW RIVER INLET
HAMMOCK'S BEACH STATE PARK
SWANSBORO POP. 776
Great Neck Landing
Nerrissa
Russell
Willis Landing
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
Fulcher Landing
Peru
WHITE OAK RIVER
INTRACOASTAL WATERWAY
CORPS BASE
Bear Cr.
Juniper Creek
77°05'
77°10'
77°15'
77°20'
34°40'
34°35'
34°45'
JUNE-3-83 J.R.RICH
● - OLD CRAWL with Dig - First SEEN 5-31-83
● - DEAD TURTLE - First SEEN 5-31-83

AERIAL SURVEY DATA

Date: June 7 1983 Time: S [illegible] F [illegible]

Recorder Name: Jerry R. Rion

Crew Names: None Pilot:

Co-Pilot: None Crew Chief:

Others: None

Weather: General 3-4 Miles fog & rain Cloud Cover 2000 BKN 4000 OVC

Wind Speed WSW 12-15 K Sea Conditions White caps

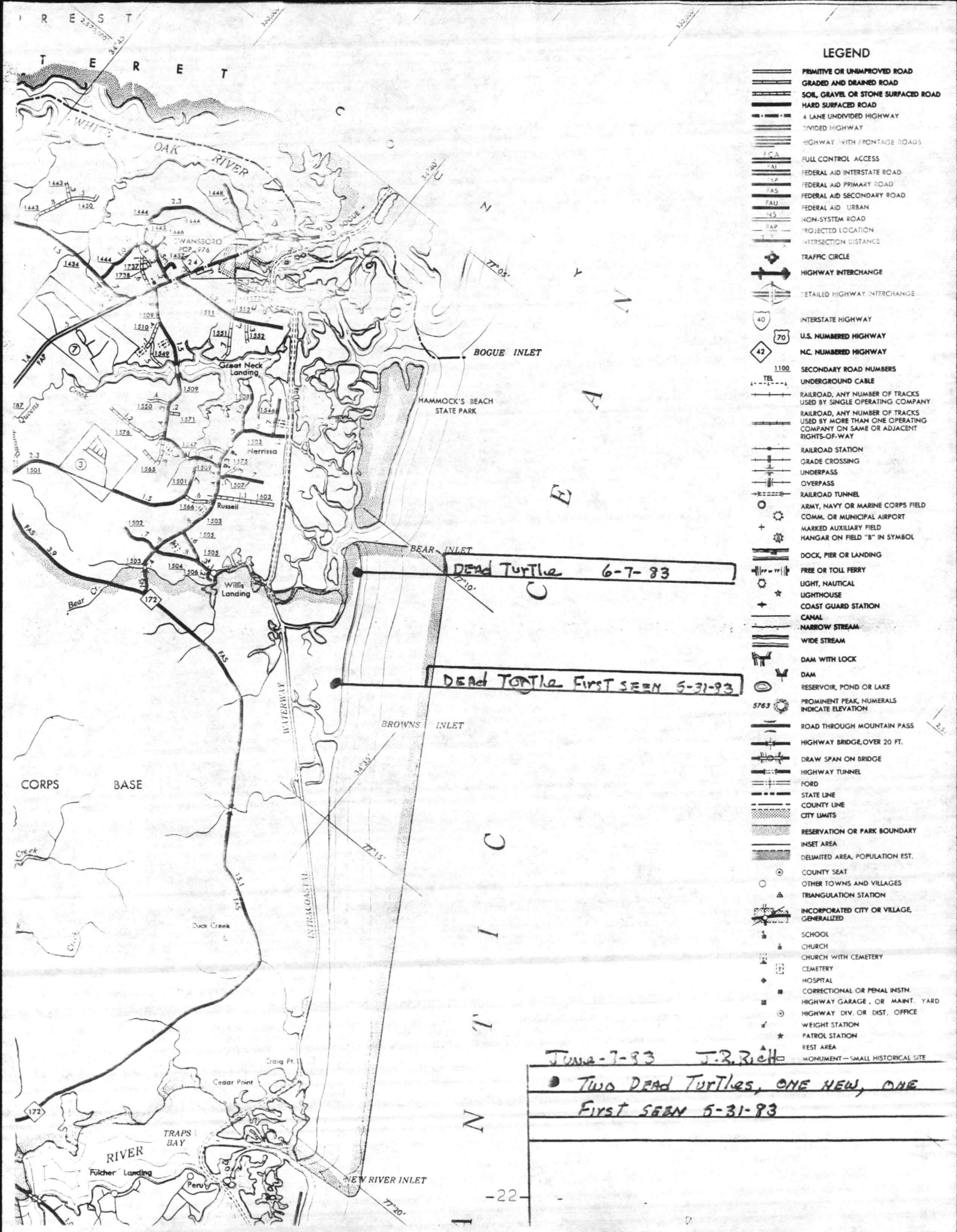
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	0	0	0	0
Bear Beach	0	0	0	0	0	0

OCEAN AERIAL SURVEYS Altitude 400 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	0	0	One old dead turtle first seen 5-31-83 on Browns Islan One New dead turtle on Browns Island.

Comments:


LEGEND
PRIMITIVE OR UNIMPROVED ROAD
GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FULL CONTROL ACCESS
FEDERAL AID INTERSTATE ROAD
FEDERAL AID PRIMARY ROAD
FEDERAL AID SECONDARY ROAD
FEDERAL AID URBAN
NON-SYSTEM ROAD
PROJECTED LOCATION
INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
INTERSTATE HIGHWAY
U.S. NUMBERED HIGHWAY
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OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
WHITE OAK RIVER
SWANSBORO
POP. 976
BOGUE INLET
Great Neck Landing
HAMMOCK'S BEACH STATE PARK
Queens Creek
Nerrissa
Russell
BEAR INLET
Willis Landing
Bear Cr.
DEAD TURTLE 6-7-83
DEAD TURTLE FIRST SEEN 5-31-93
BROWNS INLET
CORPS BASE
INTERCOASTAL WATERWAY
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
77°05'
77°10'
77°15'
77°20'
34°40'
34°35'
JUNE-7-83 J.R. RICH
TWO DEAD TURTLES, ONE NEW, ONE FIRST SEEN 5-31-83

AERIAL SURVEY DATA

Date: June 10 1980 Time: S [illegible] F [illegible]

Recorder Name: Jerry R. Rice

Crew Names: None Pilot: J. R. Rice

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 2 miles rain & fog Cloud Cover [illegible]

Wind Speed N.E. 15-20 K Sea Conditions White caps

BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	0	0	0	0
Bear Beach	0	0	0	0	0	0

OCEAN AERIAL SURVEYS Altitude 200 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	0	0	2 Dead Turtle on Browns Isla. Same two turtle seen on June 7 83

Comments:

AERIAL SURVEY DATA

Date: June 12, 1983 Time: S 06:04 F 08:04

Recorder Name: Jerry R. Rion

Crew Names: None Pilot: J. R. Rion

Co-Pilot: None Crew Chief: None

Others: None

Weather: General Clear 10 miles vis. Cloud Cover Clear

Wind Speed NE 5 K Sea Conditions Light chop

BEACH AERIAL SURVEYS Altitude 100 Ft

Air Speed 60 K

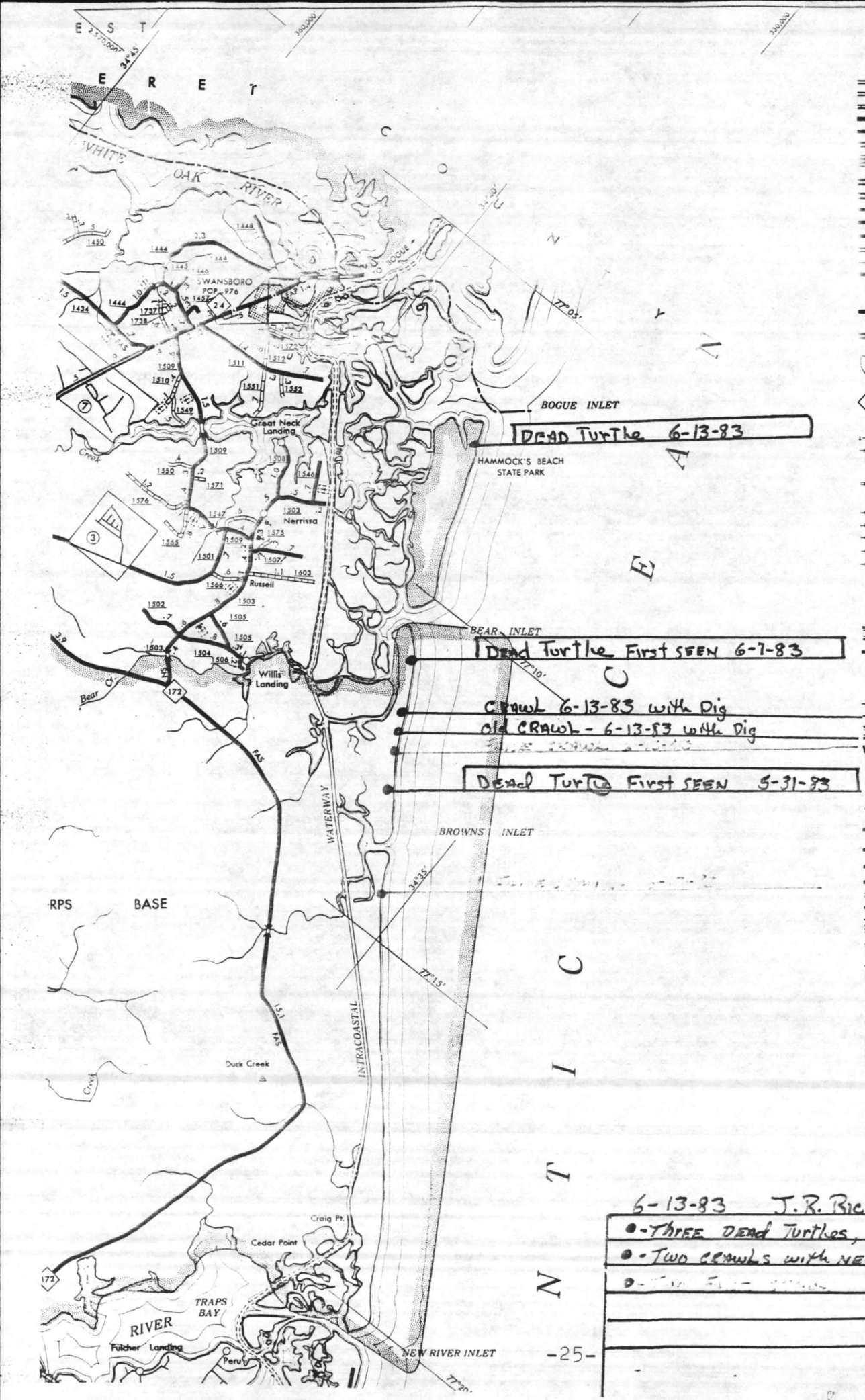
Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	1	0	0	0	0	0
Browns Island	1	0	1	1	0	0
Bear Beach	0	0	0	0	0	0

OCEAN AERIAL SURVEYS Altitude 300 Ft

Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	0	0	1 dead turtle Bear Beach 2 dead turtle Browns Island, same two as reported June 10 1983

Comments: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DAM WITH LOCK
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RESERVOIR, POND OR LAKE
PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
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HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
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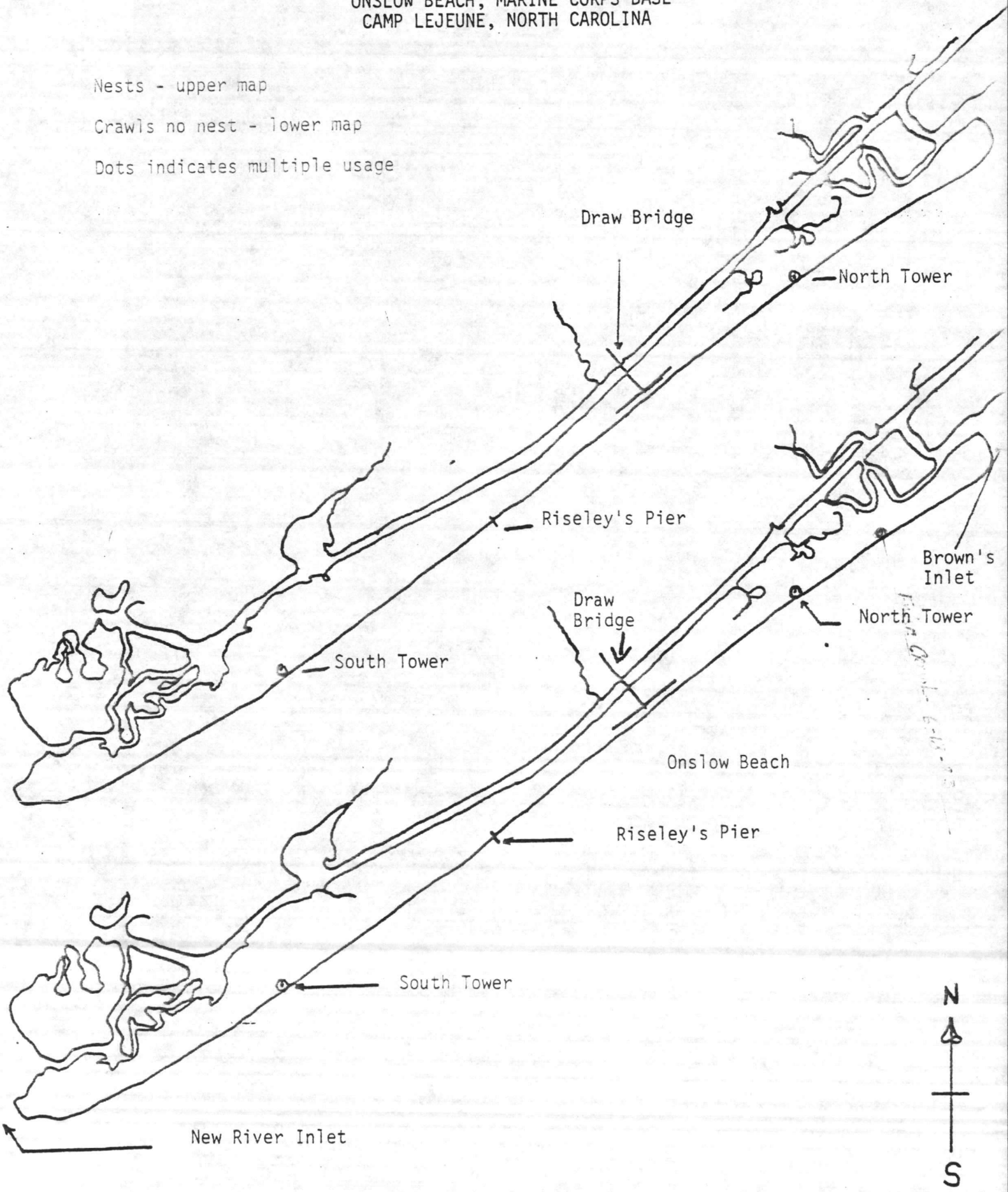
SWANSBORO POP. 976
Great Neck Landing
Nerrissa
Russell
Willis Landing
Bear Cr.
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
BEAR INLET
BROWNS INLET
NEW RIVER INLET
WATERWAY
INTRACOASTAL
BASE
Dead Turtle 6-13-83
Dead Turtle First seen 6-7-83
Crawl 6-13-83 with Dig
Old Crawl - 6-13-83 with Dig
Dead Turtle First seen 5-31-83
6-13-83 J.R. Rich
• - Three Dead Turtles, one new, two old.
• - Two crawls with nest.

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

AERIAL SURVEY DATA

Date: June [illegible] Time: S [illegible] F [illegible]

Recorder Name: H. A. Townsend

Crew Names: None Pilot: H. A. Townsend

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 4 miles fog Cloud Cover clear

Wind Speed calm Sea Conditions Calm

BEACH AERIAL SURVEYS Altitude 100 Ft

Air Speed 60 K

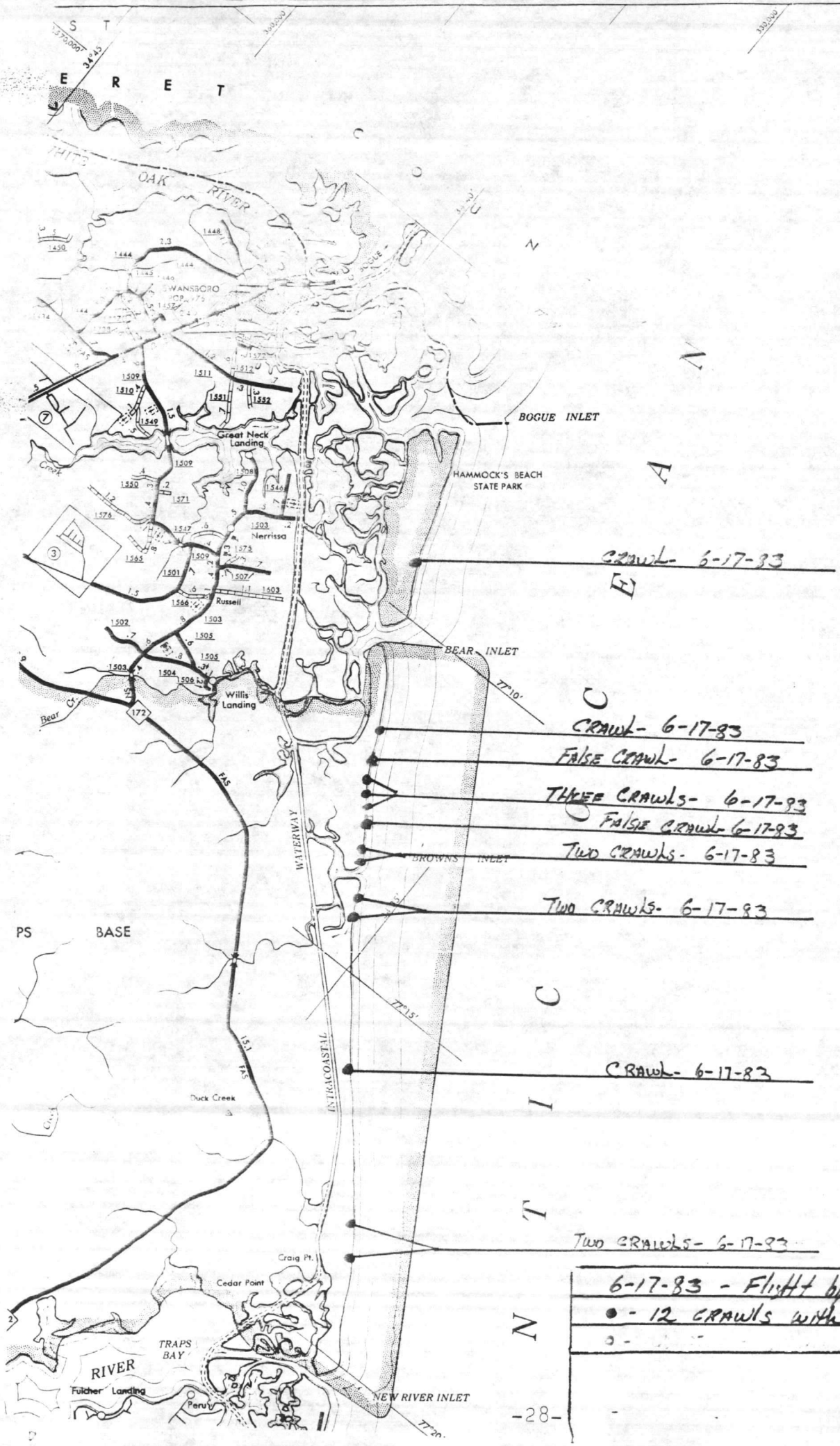
Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	5	0	0	0
Browns Island	2	0	6	0	0	0
Bear Beach	0	0	1	0	0	0

OCEAN AERIAL SURVEYS Altitude 400 Ft

Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	0	0	0

Comments:



LEGEND

- PRIMITIVE OR UNIMPROVED ROAD
- GRADED AND DRAINED ROAD
- SOIL, GRAVEL OR STONE SURFACED ROAD
- HARD SURFACED ROAD
- 4 LANE UNDIVIDED HIGHWAY
- DIVIDED HIGHWAY
- HIGHWAY WITH FRONTAGE ROADS
- FCA — FULL CONTROL ACCESS
- FEDERAL AID INTERSTATE ROAD
- FEDERAL AID PRIMARY ROAD
- FAS — FEDERAL AID SECONDARY ROAD
- FAU — FEDERAL AID URBAN
- NS — NON-SYSTEM ROAD
- PROJECTED LOCATION
- INTERSECTION DISTANCE
- TRAFFIC CIRCLE
- HIGHWAY INTERCHANGE
- DETAILED HIGHWAY INTERCHANGE
- 40 — INTERSTATE HIGHWAY
- 70 — U.S. NUMBERED HIGHWAY
- 42 — N.C. NUMBERED HIGHWAY
- 1100 — SECONDARY ROAD NUMBERS
- TEL — UNDERGROUND CABLE
- RAILROAD, ANY NUMBER OF TRACKS USED BY SINGLE OPERATING COMPANY
- RAILROAD, ANY NUMBER OF TRACKS USED BY MORE THAN ONE OPERATING COMPANY ON SAME OR ADJACENT RIGHTS-OF-WAY
- RAILROAD STATION
- GRADE CROSSING
- UNDERPASS
- OVERPASS
- RAILROAD TUNNEL
- ARMY, NAVY OR MARINE CORPS FIELD
- COMM. OR MUNICIPAL AIRPORT
- MARKED AUXILIARY FIELD
- HANGAR ON FIELD "B" IN SYMBOL
- DOCK, PIER OR LANDING
- FREE OR TOLL FERRY
- LIGHT, NAUTICAL
- LIGHTHOUSE
- COAST GUARD STATION
- CANAL
- NARROW STREAM
- WIDE STREAM
- DAM WITH LOCK
- DAM
- RESERVOIR, POND OR LAKE
- 5763 — PROMINENT PEAK, NUMERALS INDICATE ELEVATION
- ROAD THROUGH MOUNTAIN PASS
- HIGHWAY BRIDGE, OVER 20 FT.
- DRAW SPAN ON BRIDGE
- HIGHWAY TUNNEL
- FORD
- STATE LINE
- COUNTY LINE
- CITY LIMITS
- RESERVATION OR PARK BOUNDARY
- INSET AREA
- DELIMITED AREA, POPULATION EST.
- COUNTY SEAT
- OTHER TOWNS AND VILLAGES
- TRIANGULATION STATION
- INCORPORATED CITY OR VILLAGE, GENERALIZED
- SCHOOL
- CHURCH
- CHURCH WITH CEMETERY
- CEMETERY
- HOSPITAL
- CORRECTIONAL OR PENAL INSTN.
- HIGHWAY GARAGE, OR MAINT. YARD
- HIGHWAY DIV. OR DIST. OFFICE
- WEIGHT STATION
- PATROL STATION
- REST AREA
- MONUMENT—SMALL HISTORICAL SITE

6-17-83 - Flight by H.A. Townsend

● - 12 CRAWLS with NEST 6-17-83

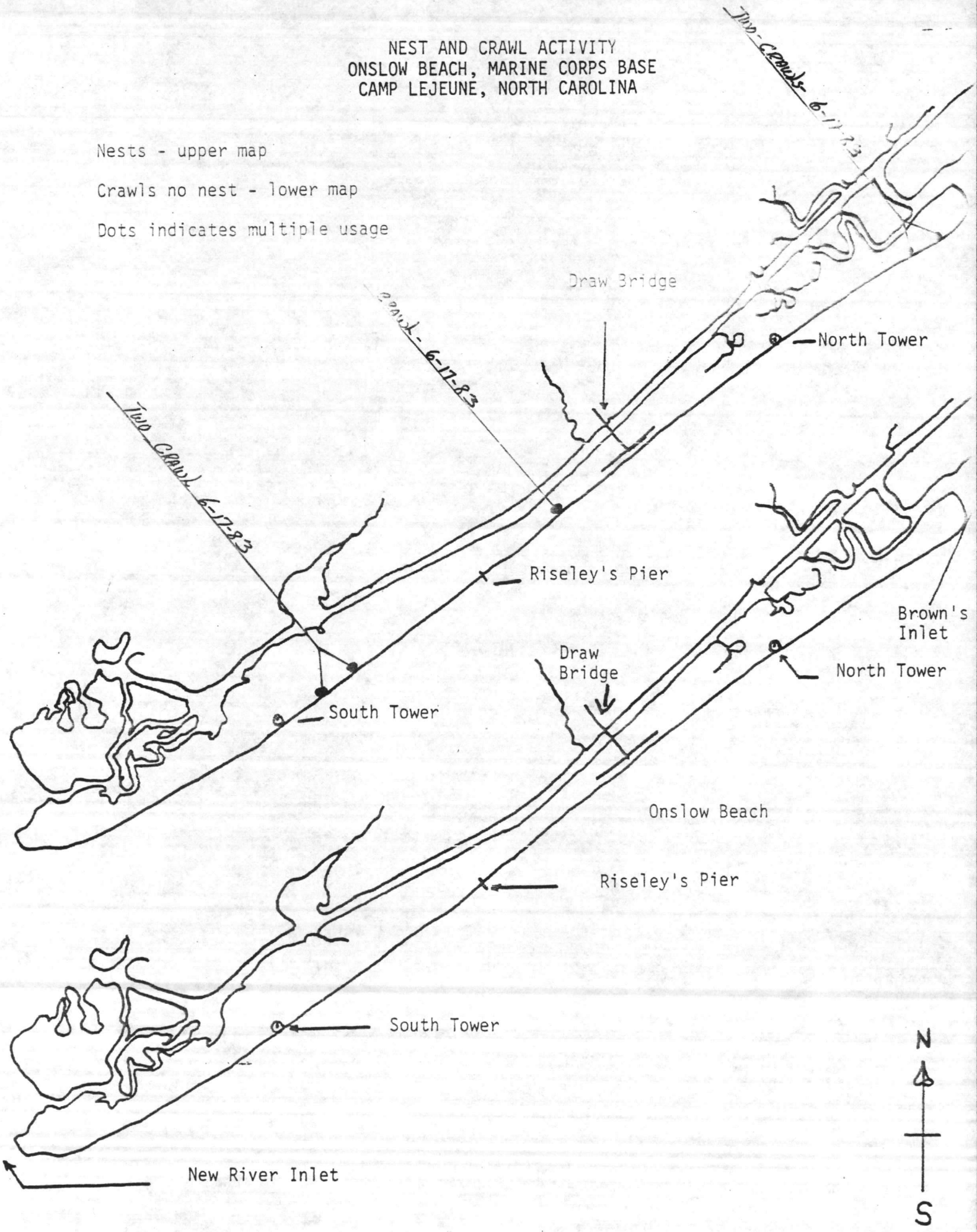
○ -

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

AERIAL SURVEY DATA

Date: June 22 83 Time: S 06:05 F 08:10

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 3 miles vis. Cloud Cover 1000 Sct 2000 BKN

Wind Speed NW 8-12 K Sea Conditions Mod chop

BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	1	5	0	0
Browns Island	2	0	2	7	7	0
Bear Beach	1	0	2	1	0	0

OCEAN AERIAL SURVEYS Altitude 300 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

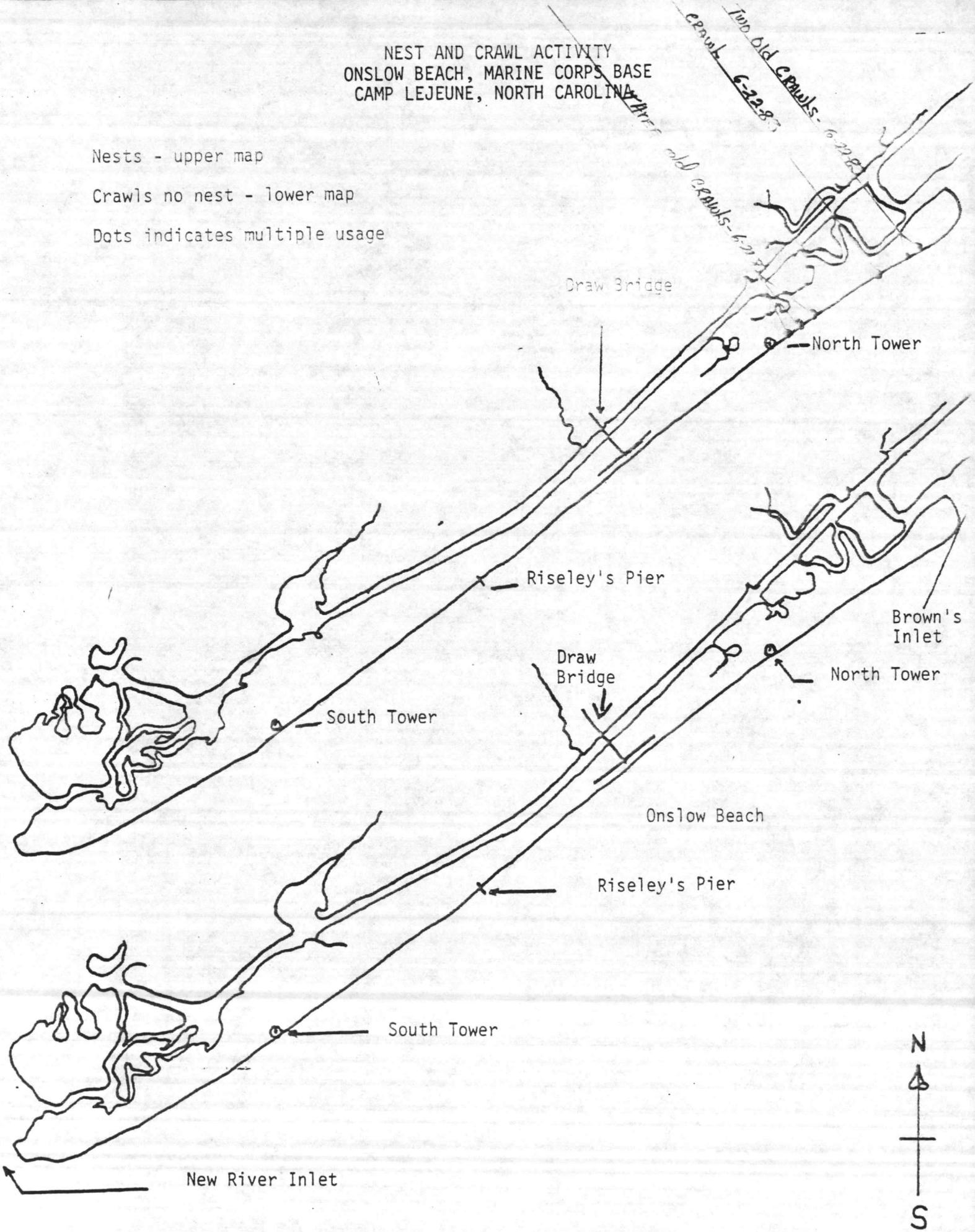
Comments:
Saw one large grey fox digging out eggs on Browns Island

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

LEGEND

- PRIMITIVE OR UNIMPROVED ROAD
- GRADED AND DRAINED ROAD
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- HARD SURFACED ROAD
- 4 LANE UNDIVIDED HIGHWAY
- DIVIDED HIGHWAY
- HIGHWAY WITH FRONTAGE ROADS
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- FAI — FEDERAL AID INTERSTATE ROAD
- FAP — FEDERAL AID PRIMARY ROAD
- FAS — FEDERAL AID SECONDARY ROAD
- FAU — FEDERAL AID URBAN
- NS — NON-SYSTEM ROAD
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- INTERSECTION DISTANCE
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- OVERPASS
- RAILROAD TUNNEL
- ARMY, NAVY OR MARINE CORPS FIELD
- COMM. OR MUNICIPAL AIRPORT
- MARKED AUXILIARY FIELD
- HANGAR ON FIELD "B" IN SYMBOL
- DOCK, PIER OR LANDING
- FREE OR TOLL FERRY
- LIGHT, NAUTICAL
- LIGHTHOUSE
- COAST GUARD STATION
- CANAL
- NARROW STREAM
- WIDE STREAM
- DAM WITH LOCK
- DAM
- RESERVOIR, POND OR LAKE
- 5763 — PROMINENT PEAK, NUMERALS INDICATE ELEVATION
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- HIGHWAY TUNNEL
- FORD
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- COUNTY LINE
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- DELIMITED AREA, POPULATION EST.
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- HOSPITAL
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- HIGHWAY GARAGE, OR MAINT. YARD
- HIGHWAY DIV. OR DIST. OFFICE
- WEIGHT STATION
- PATROL STATION
- REST AREA
- MONUMENT—SMALL HISTORICAL SITE

AERIAL SURVEY DATA

Date: [illegible] Time: S [illegible] F [illegible]

Recorder Name: Jenny R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General [illegible] Cloud Cover [illegible]

Wind Speed NE less than 5 K Sea Conditions Calm

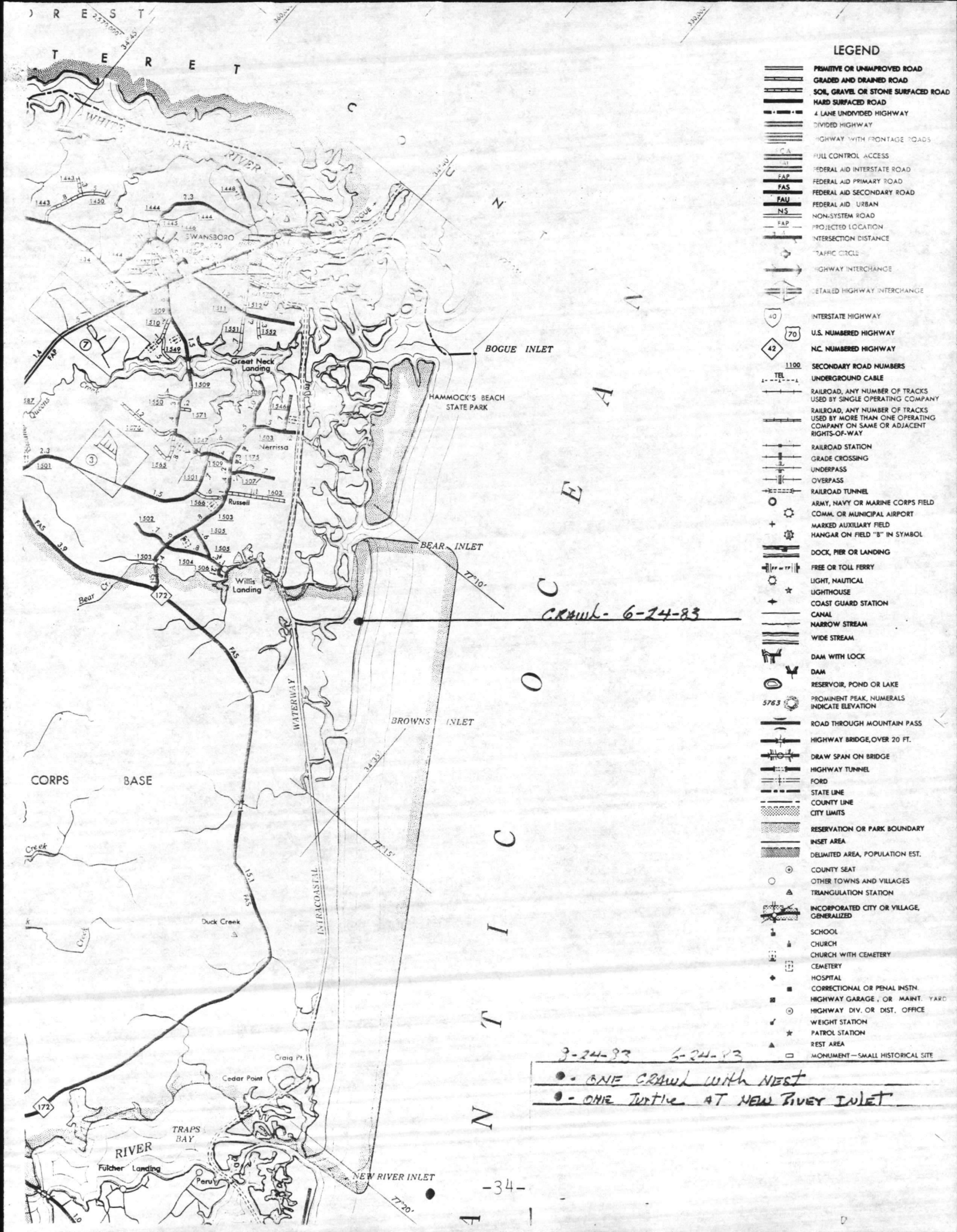
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	1	0	0	0
Bear Beach	0	0	0	0	0	0

OCEAN AERIAL SURVEYS Altitude 200 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	0	1	0

Comments:


LEGEND
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SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FULL CONTROL ACCESS
FEDERAL AID INTERSTATE ROAD
FEDERAL AID PRIMARY ROAD
FEDERAL AID SECONDARY ROAD
FEDERAL AID URBAN
NON-SYSTEM ROAD
PROJECTED LOCATION
INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
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HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
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LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
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DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
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INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
BEAR INLET
BROWNS INLET
NEW RIVER INLET
SWANSBORO
Great Neck Landing
Nerrissa
Russell
Willis Landing
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
WATERWAY
INTRACOASTAL
CORPS BASE
CRAWL - 6-24-83
3-24-83 6-24-83
• - ONE CRAWL WITH NEST
• - ONE JUVENILE AT NEW RIVER INLET

AERIAL SURVEY DATA

Date: June 20 [illegible] Time: S [illegible] F [illegible]

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: Jerry R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 5 miles hazy Cloud Cover 5000 Skn

Wind Speed SW 12-15 K Sea Conditions White Caps

BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	1	0	0	0
Browns Island	0	0	1	0	1	0
Bear Beach	1	0	1	0	0	0

OCEAN AERIAL SURVEYS Altitude 400 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

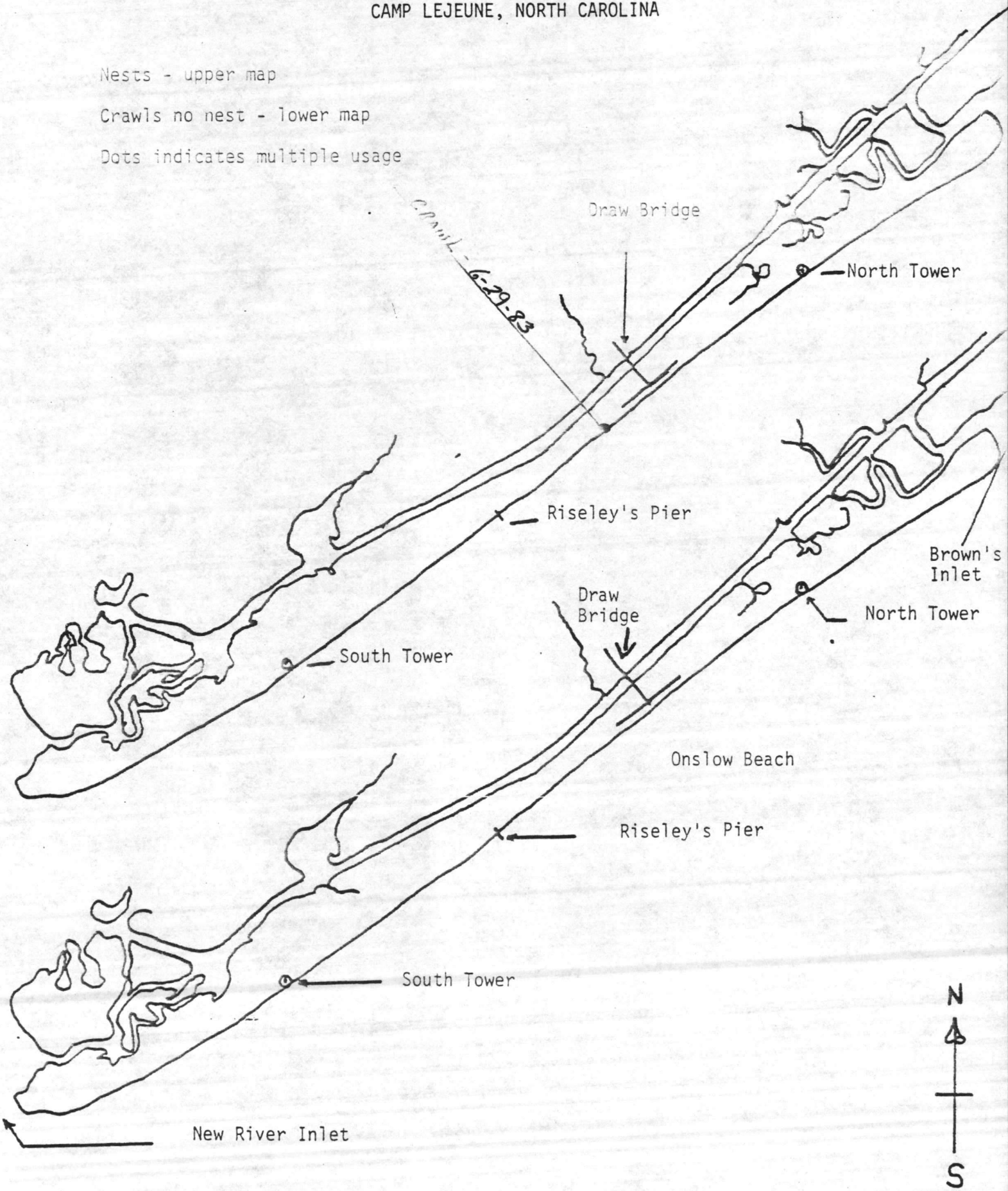
Comments:

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

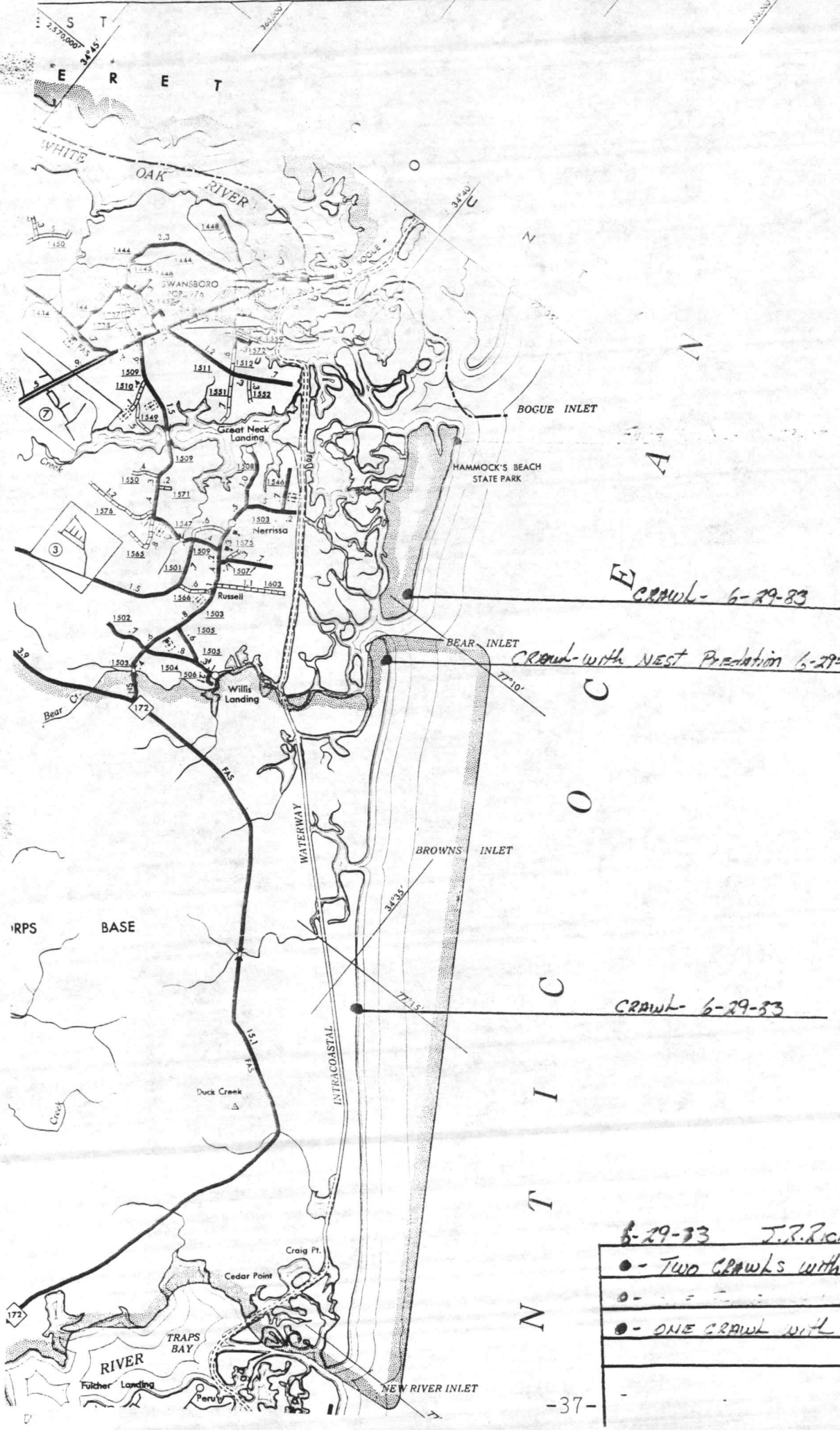
Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1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GRADED AND DRAINED ROAD
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WIDE STREAM
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CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
WHITE OAK RIVER
SWANSBORO
Great Neck Landing
Nerrissa
Russell
Willis Landing
Bear Cr.
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
BEAR INLET
BROWNS INLET
WATERWAY
INTRACOASTAL
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
BASE
CRAWL- 6-29-83
CRAWL- with NEST Predation 6-29-83
CRAWL- 6-29-83
6-29-83 J.R.Rich
● - Two CRAWLS with NEST
● - ONE CRAWL with NEST Predation

AERIAL SURVEY DATA

Date: [illegible] Time: S [illegible] F [illegible]

Recorder Name: Jenny R. [illegible]

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: [illegible]

Weather: General [illegible] Cloud Cover 2000 SCT

Wind Speed W-7K Sea Conditions Light chop

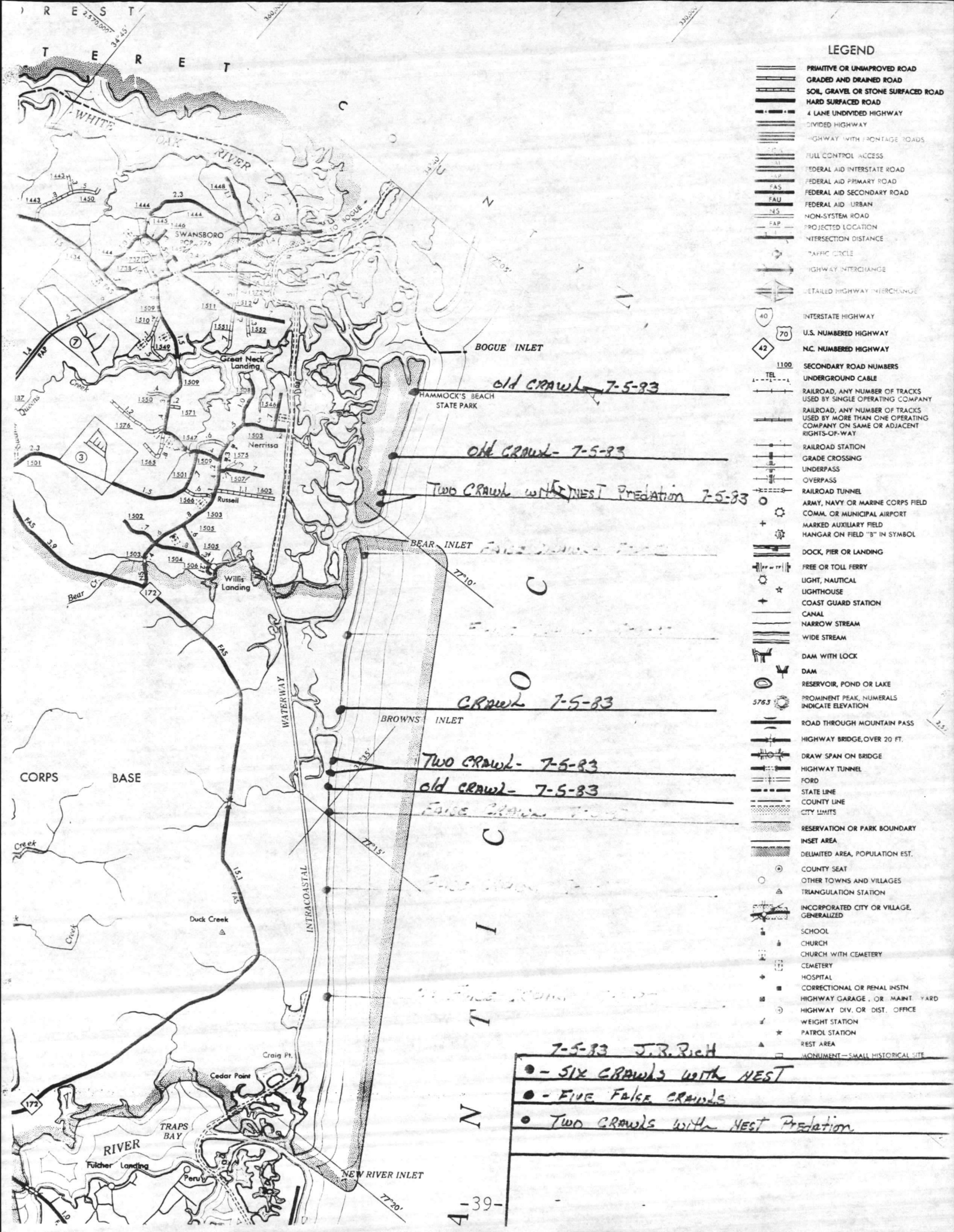
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	2	1	2	1	0	0
Browns Island	2	0	1	0	0	0
Bear Beach	0	0	2	2	2	0

OCEAN AERIAL SURVEYS Altitude 400 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments: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BOGUE INLET
old CRAWL 7-5-83
HAMMOCK'S BEACH STATE PARK
old CRAWL- 7-5-83
TWO CRAWL with NEST Predation 7-5-83
BEAR INLET
CRAWL 7-5-83
BROWNS INLET
TWO CRAWL- 7-5-83
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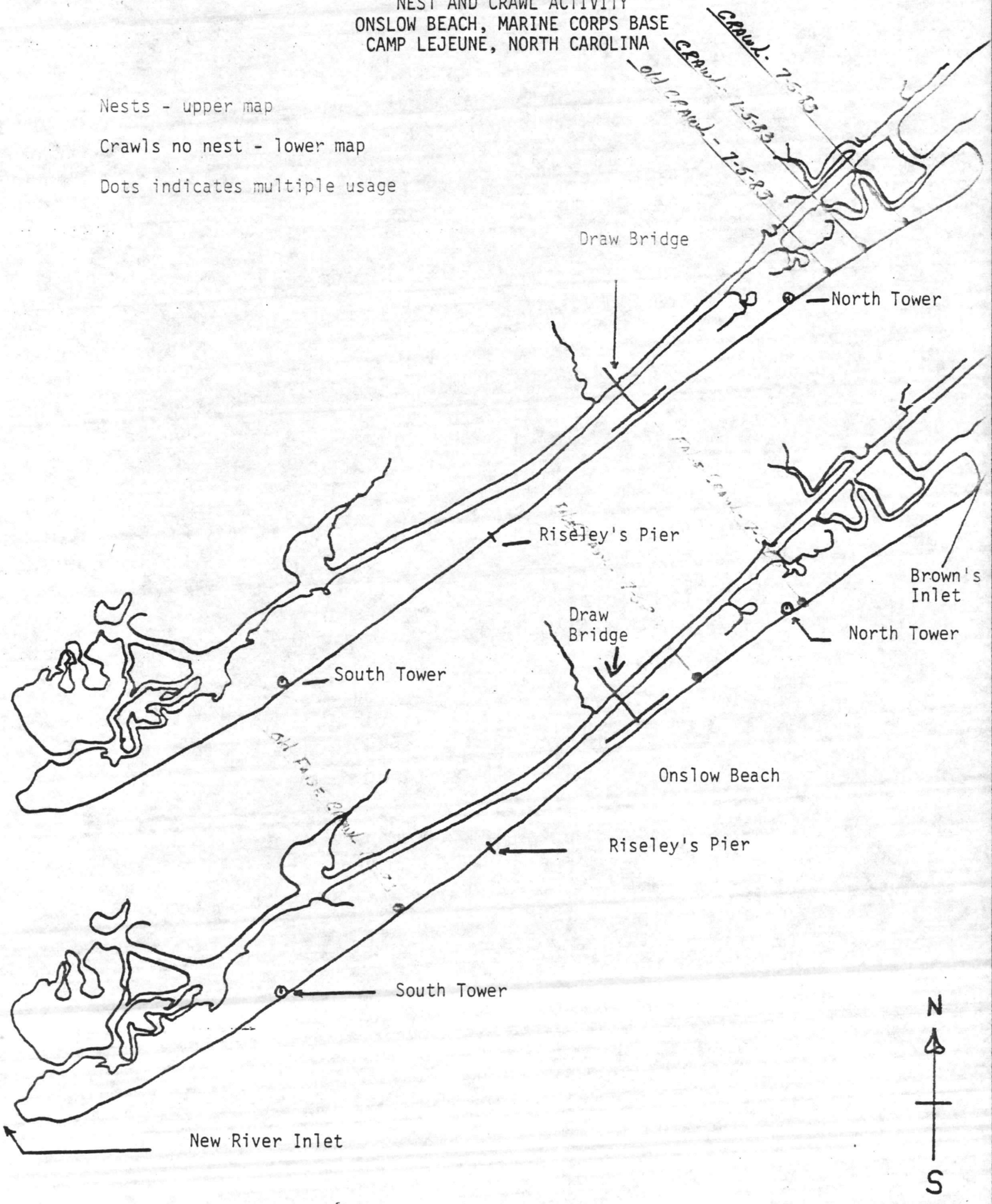
Peru
WATERWAY
INTRACOASTAL
CORPS BASE
7-5-83 J.R. Rich
- SIX CRAWLS with NEST
- FIVE FALSE CRAWLS
- TWO CRAWLS with NEST Predation

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

AERIAL SURVEY DATA

Date: July 7, 1982 Time: S 06:12 F 08:00

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 2000 SCT 5 miles haze Cloud Cover 2000 SCT

Wind Speed NE 16-22 K Sea Conditions White caps

BEACH AERIAL SURVEYS Altitude 100 FT

Air Speed 60 K

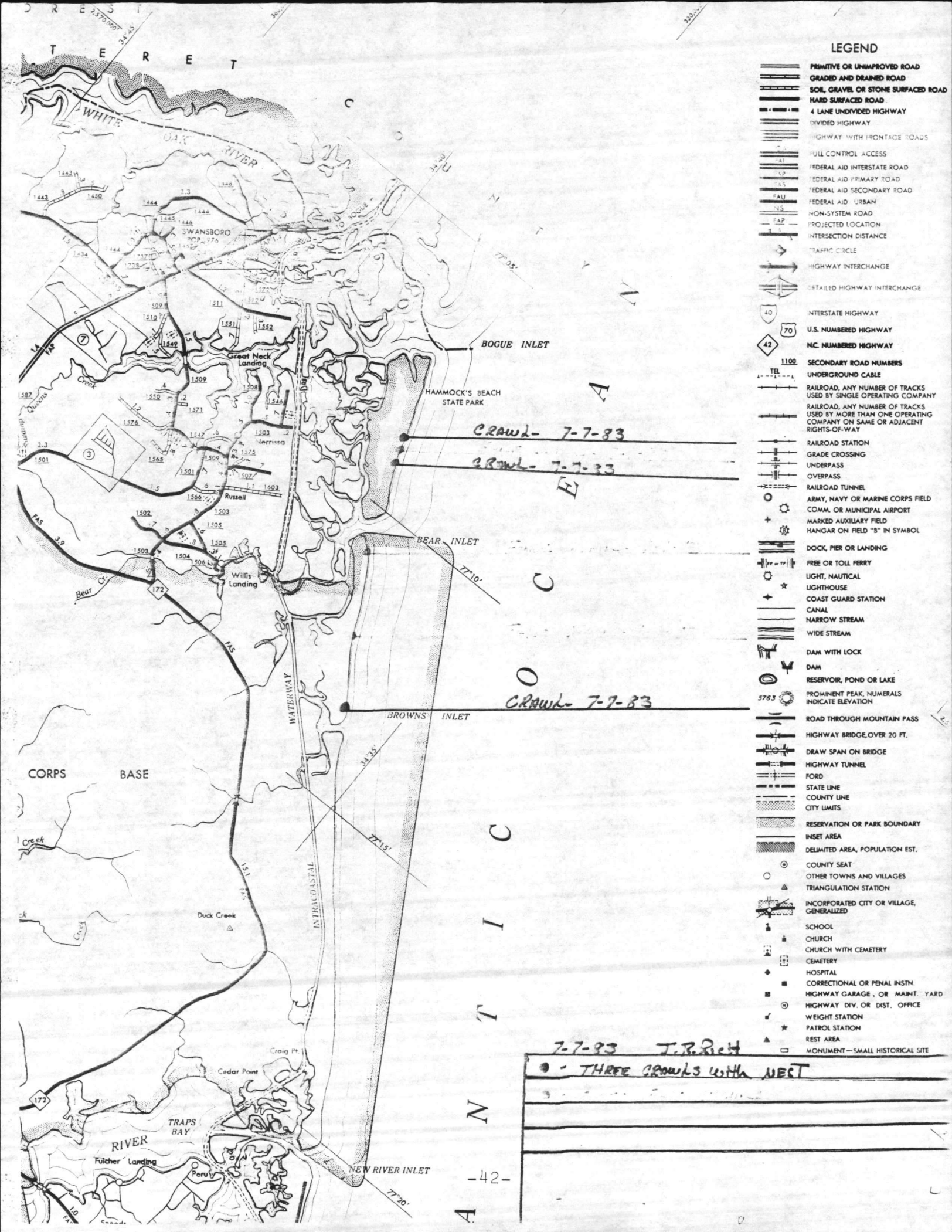
Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	2	0	1	0	0	0
Bear Beach	1	0	2	0	0	0

OCEAN AERIAL SURVEYS Altitude 400 FT

Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments: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HARD SURFACED ROAD
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DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
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PROJECTED LOCATION
INTERSECTION DISTANCE
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MONUMENT—SMALL HISTORICAL SITE
WHITE OAK RIVER
SWANSBORO
Great Neck Landing
Nerrissa
Russell
Willis Landing
HAMMOCK'S BEACH STATE PARK
BOGUE INLET
BEAR INLET
BROWNS INLET
NEW RIVER INLET
WATERWAY
INTRACOASTAL
CORPS BASE
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
CRAWL- 7-7-83
CRAWL- 7-7-83
CRAWL- 7-7-83
7-7-83 J.R.Rich
• - THREE CRAWLS WITH A NEST

AERIAL SURVEY DATA

Date: July 10, 80 Time: S 1600 F 1800

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 5 miles haze & fog Cloud Cover 10000 SCT

Wind Speed W 5-7 K Sea Conditions Light Chop

BEACH AERIAL SURVEYS Altitude 100 Ft

Air Speed 60 K

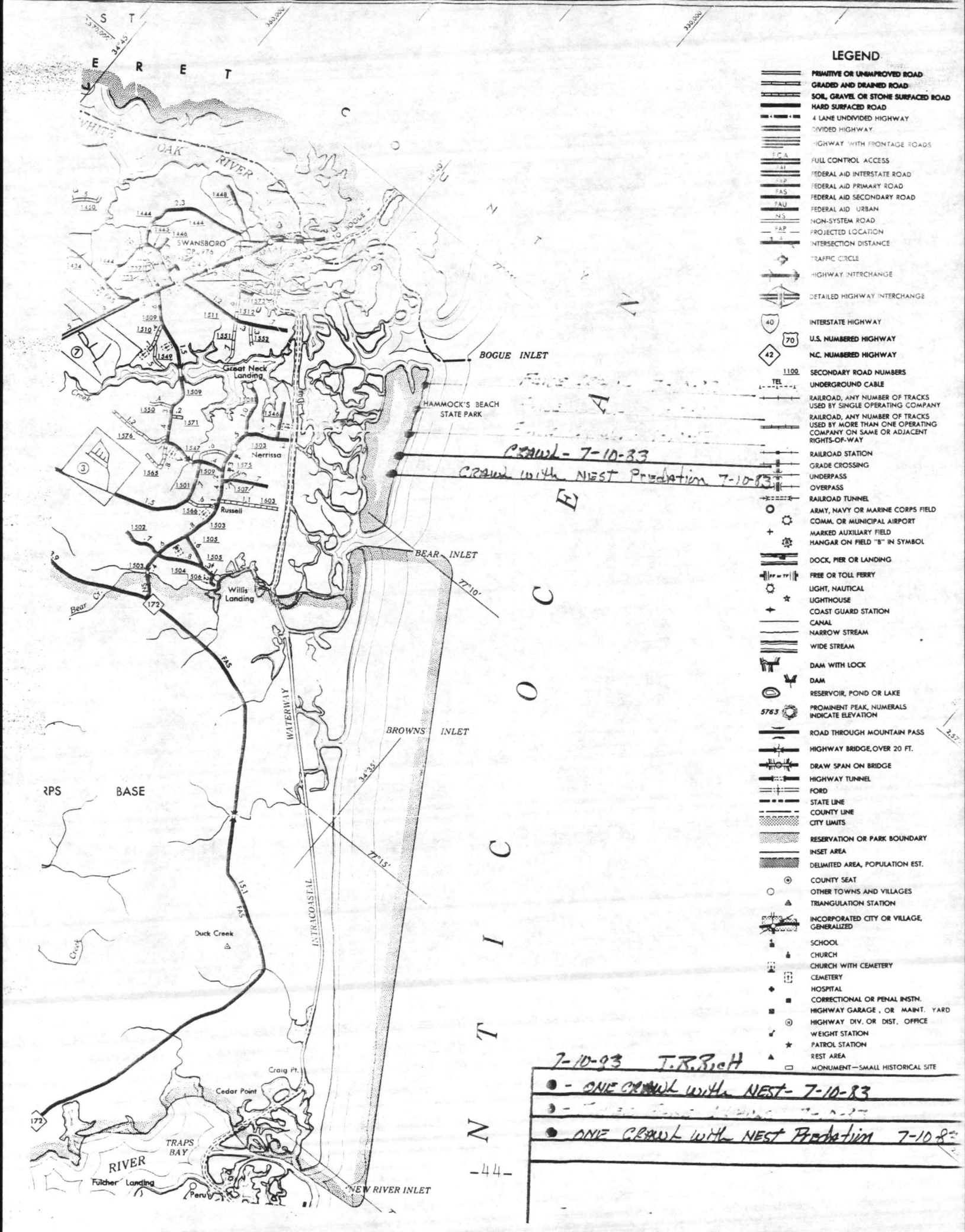
Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	0	0	0	0
Bear Beach	3	0	2	0	1	0

OCEAN AERIAL SURVEYS Altitude 400 Ft

Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments: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GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FCA FULL CONTROL ACCESS
FAI FEDERAL AID INTERSTATE ROAD
FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
40 INTERSTATE HIGHWAY
70 U.S. NUMBERED HIGHWAY
42 N.C. NUMBERED HIGHWAY
1100 SECONDARY ROAD NUMBERS
TEL UNDERGROUND CABLE
RAILROAD, ANY NUMBER OF TRACKS USED BY SINGLE OPERATING COMPANY
RAILROAD, ANY NUMBER OF TRACKS USED BY MORE THAN ONE OPERATING COMPANY ON SAME OR ADJACENT RIGHTS-OF-WAY
RAILROAD STATION
GRADE CROSSING
UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
5763 PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
BEAR INLET
BROWNS INLET
NEW RIVER INLET
SWANSBORO
Great Neck Landing
Nerrissa
Russell
Willis Landing
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
WATERWAY
INTRACOASTAL
WHITE OAK RIVER
Bear Cr.
RPS BASE
CRAWL - 7-10-83
CRAWL with NEST Predation 7-10-83
7-10-83 J.R.Rich
- ONE CRAWL with NEST - 7-10-83
- ONE CRAWL with NEST Predation 7-10-83

AERIAL SURVEY DATA

Date: July 15 1983 Time: S 06:05 F 12:00

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 1 miles vis. fog. Cloud Cover 200 OVC

Wind Speed Calm Sea Conditions Calm

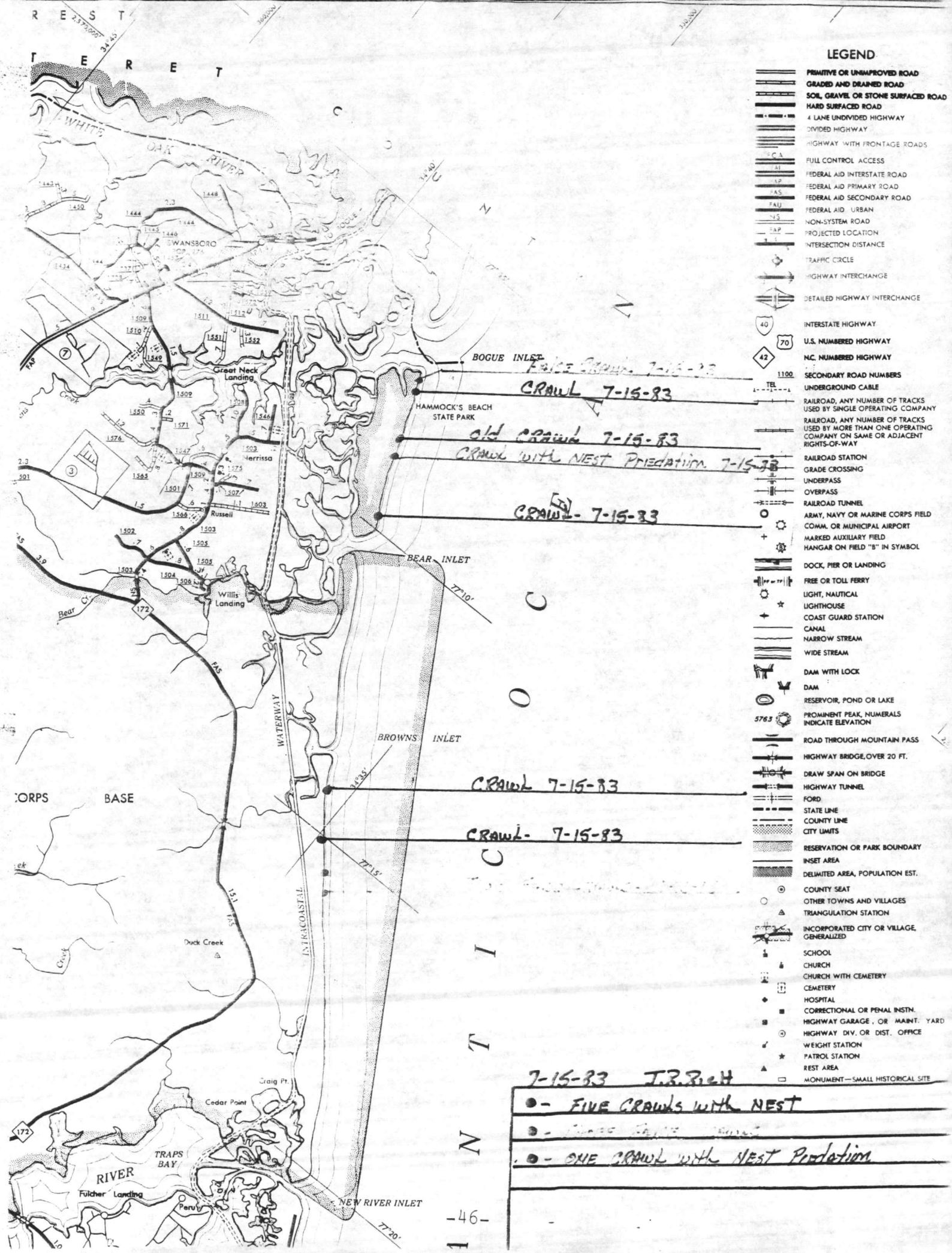
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	2	0	2	0	0	0
Browns Island	0	0	0	0	0	0
Bear Beach	1	0	3	1	1	0

OCEAN AERIAL SURVEYS Altitude 200 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments:


LEGEND
PRIMITIVE OR UNIMPROVED ROAD
GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FCA FULL CONTROL ACCESS
FI FEDERAL AID INTERSTATE ROAD
FP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
40 INTERSTATE HIGHWAY
70 U.S. NUMBERED HIGHWAY
42 N.C. NUMBERED HIGHWAY
1100 SECONDARY ROAD NUMBERS
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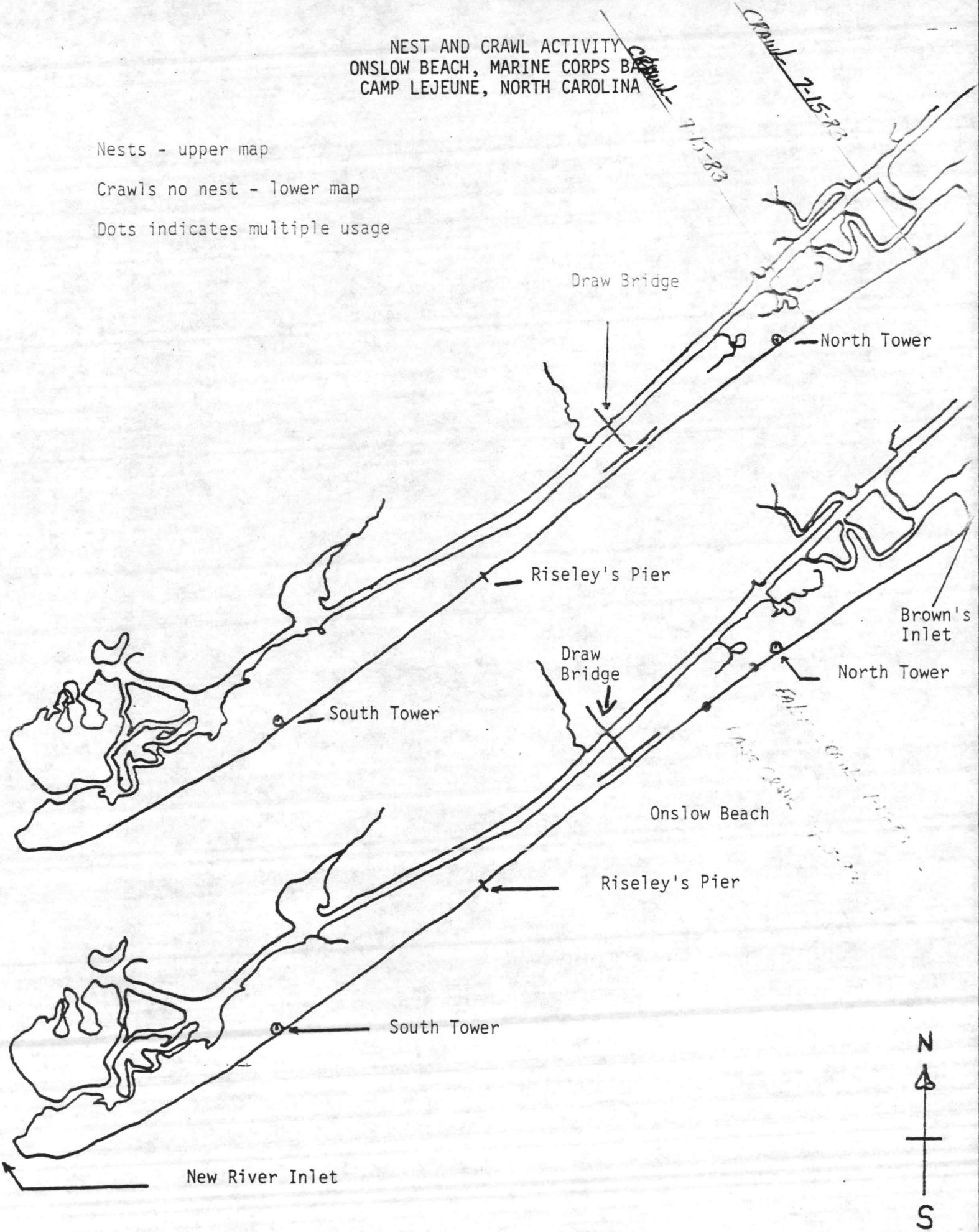
GRADE CROSSING
UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
5763 PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
WHITE OAK RIVER
SWANSBORO
Great Neck Landing
Merrissa
Russell
Willis Landing
Bear Cr.
HAMMOCK'S BEACH STATE PARK
BOGUE INLET
BEAR INLET
BROWNS INLET
WATERWAY
INTRACOASTAL
CORPS BASE
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
CRAWL 7-15-83
Old CRAWL 7-15-83
CRAWL with NEST Predation 7-15-83
CRAWL - 7-15-83
CRAWL 7-15-83
CRAWL - 7-15-83
7-15-83 J.R.Rich
- FIVE CRAWLS with NEST
- ONE CRAWL with NEST Predation

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

AERIAL SURVEY DATA

Date: July 19 1980 Time: S 06:00 F 08:30

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General -K 1 mile fog & haze Cloud Cover -K fog & haze

Wind Speed SW less than 5 K Sea Conditions Calm

BEACH AERIAL SURVEYS Altitude 100 Ft

Air Speed 60 K

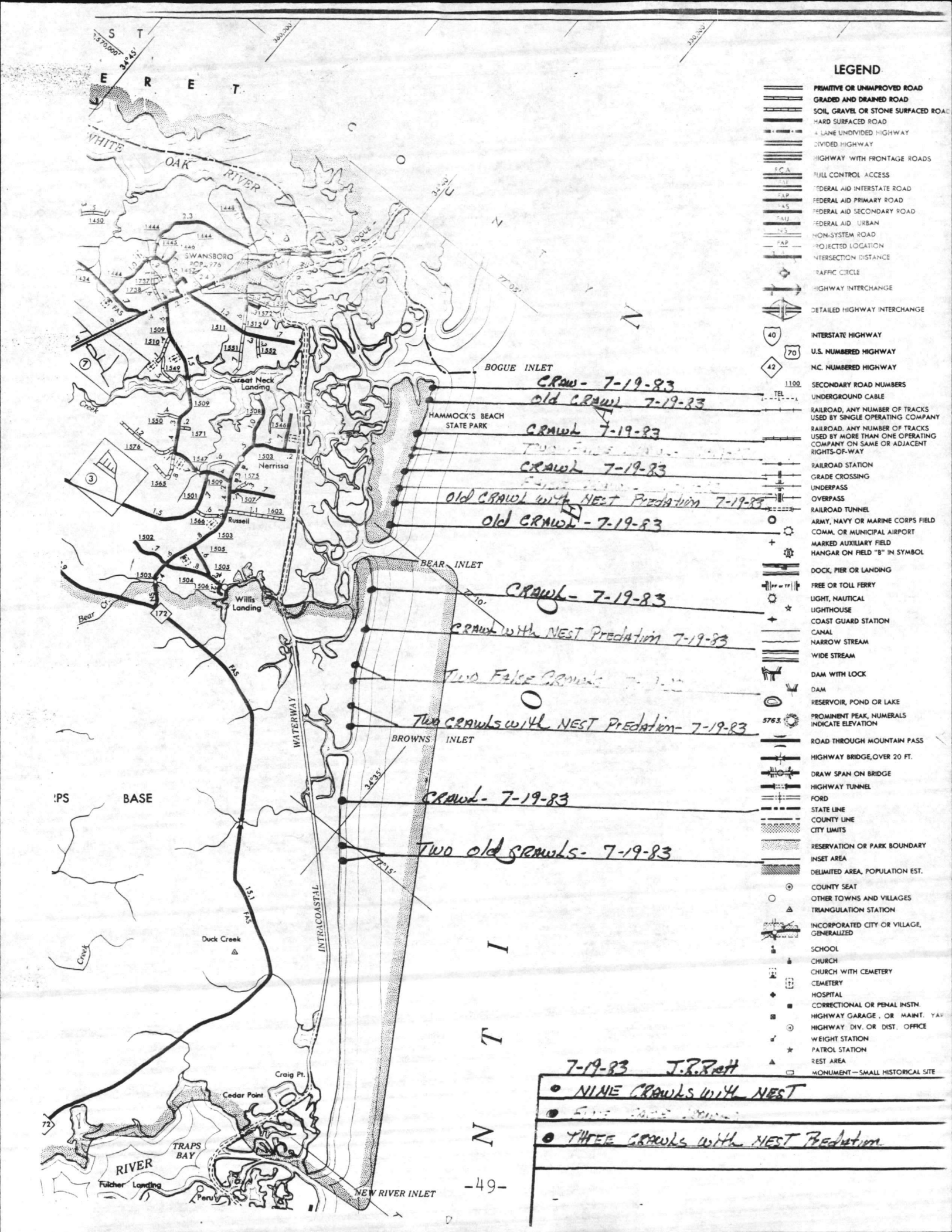
Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	1	2	0	0
Browns Island	2	0	4	0	3	0
Bear Beach	3	0	3	3	0	1

OCEAN AERIAL SURVEYS Altitude 200 Ft

Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments:


LEGEND
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SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FULL CONTROL ACCESS
FEDERAL AID INTERSTATE ROAD
FEDERAL AID PRIMARY ROAD
FEDERAL AID SECONDARY ROAD
FEDERAL AID URBAN
NON-SYSTEM ROAD
PROJECTED LOCATION
INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
INTERSTATE HIGHWAY
U.S. NUMBERED HIGHWAY
N.C. NUMBERED HIGHWAY
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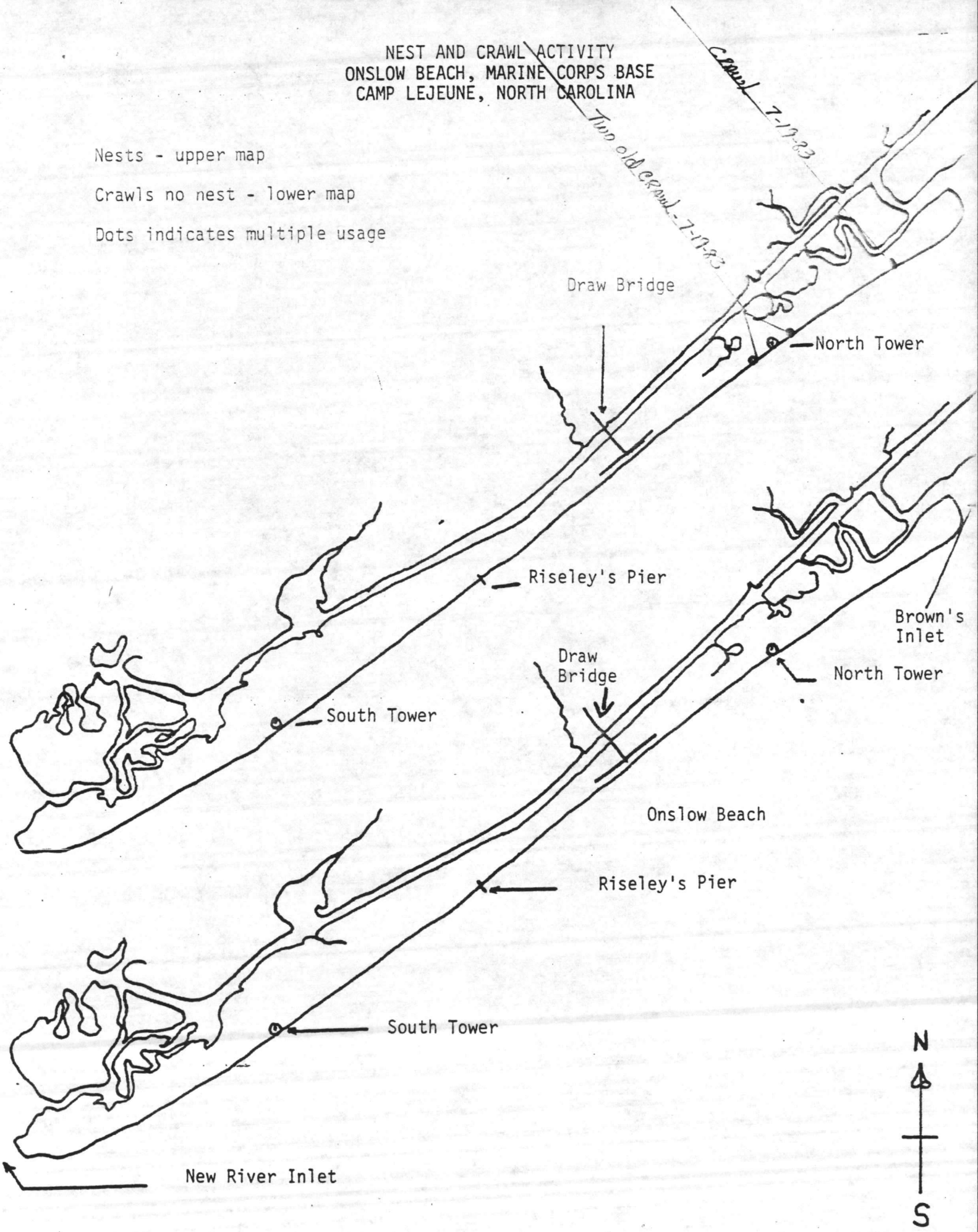
UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
WHITE OAK RIVER
SWANSBORO
Great Neck Landing
Nerrissa
Russell
Willis Landing
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
BASE
HAMMOCK'S BEACH STATE PARK
BOGUE INLET
BEAR INLET
BROWNS INLET
NEW RIVER INLET
INTRACOASTAL WATERWAY
Bear Cr.
Creek
CRAW- 7-19-83
Old CRAWL 7-19-83
CRAWL 7-19-83
TWO FALSE CRAWLS
CRAWL 7-19-83
Old CRAWL with NEST Predation 7-19-83
Old CRAWL - 7-19-83
CRAWL - 7-19-83
CRAWL with NEST Predation 7-19-83
TWO FALSE CRAWLS
TWO CRAWLS with NEST Predation - 7-19-83
CRAWL - 7-19-83
Two old CRAWLS - 7-19-83
7-19-83 J.R.Rich
NINE CRAWLS with NEST
FIVE FALSE CRAWLS
THREE CRAWLS with NEST Predation

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

AERIAL SURVEY DATA

Date: July 22 82 Time: S [illegible] F [illegible]

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General SCT TWR & rain Cloud Cover 2000-3000 BKN

Wind Speed SW 10-12 K Sea Conditions Chop White Caps

BEACH AERIAL SURVEYS Altitude 100 Ft

Air Speed 60 K

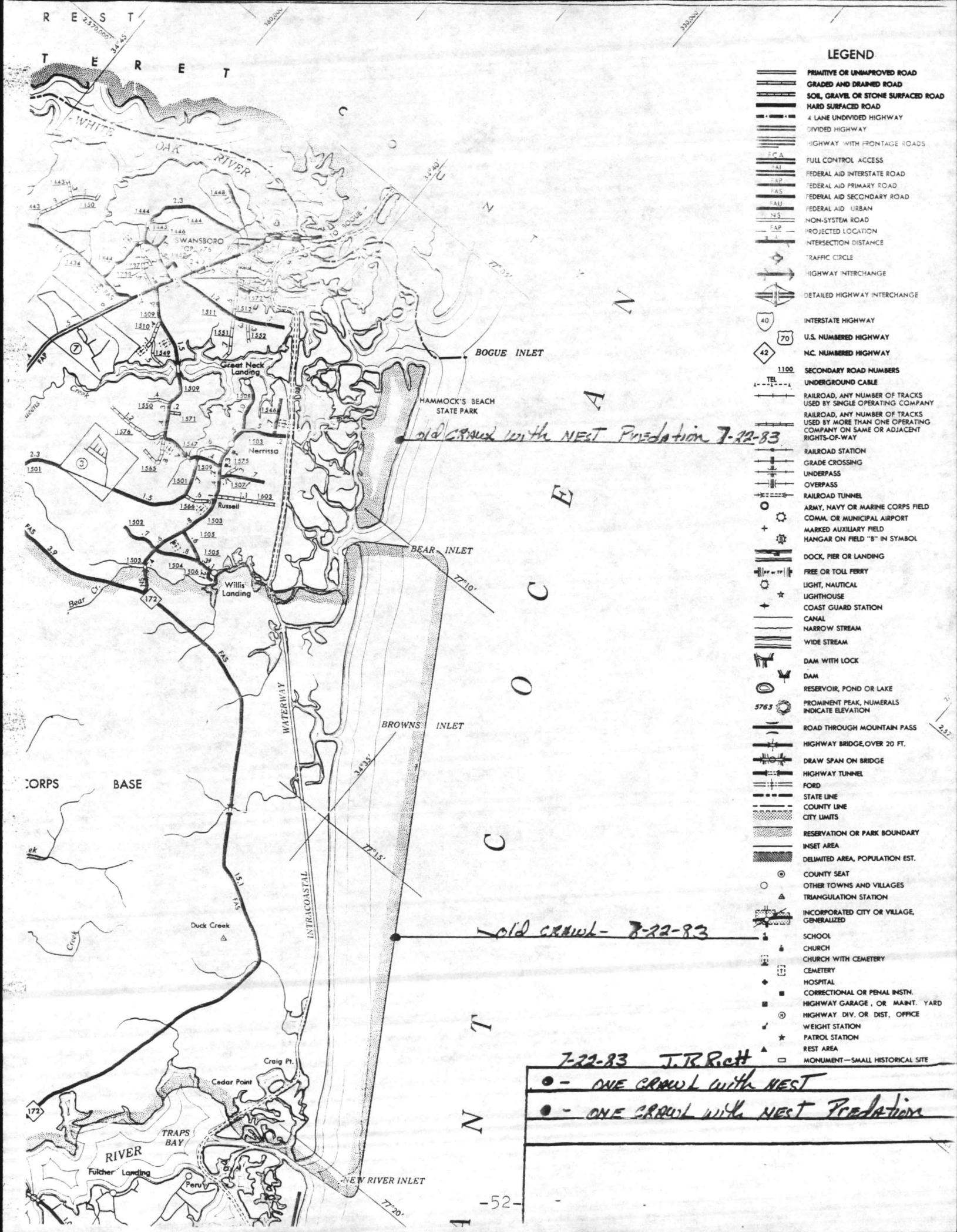
Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	1	0	0
Browns Island	0	0	0	1	1	0
Bear Beach	0	0	0	0	0	0

OCEAN AERIAL SURVEYS Altitude 300 FT

Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments:


LEGEND
PRIMITIVE OR UNIMPROVED ROAD
GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FCA FULL CONTROL ACCESS
FAI FEDERAL AID INTERSTATE ROAD
FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
40 INTERSTATE HIGHWAY
70 U.S. NUMBERED HIGHWAY
42 N.C. NUMBERED HIGHWAY
1100 SECONDARY ROAD NUMBERS
TEL UNDERGROUND CABLE
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GRADE CROSSING
UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
5763 PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
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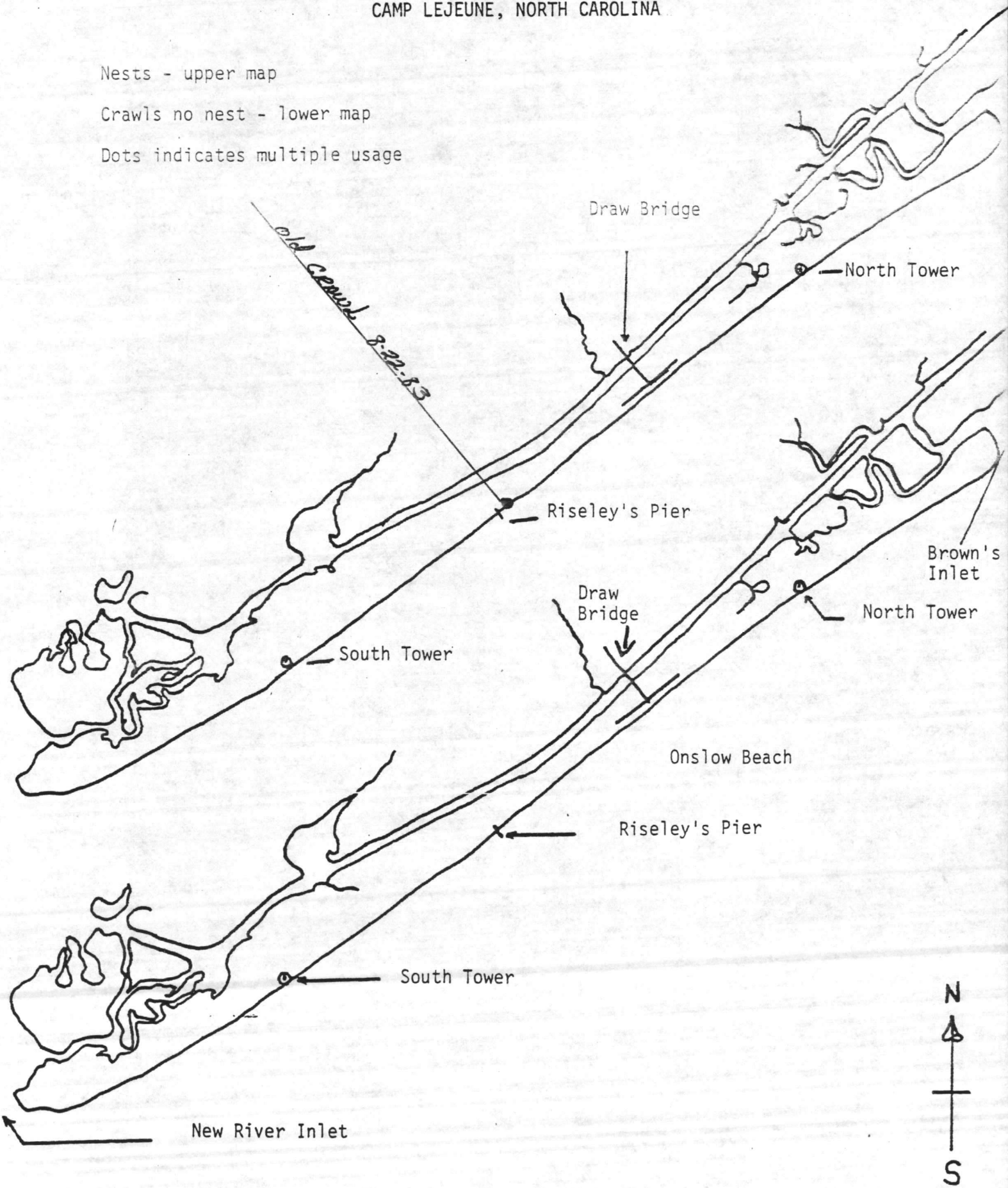
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
old crawl with NEST Predation 7-22-83
BEAR INLET
BROWNS INLET
old crawl - 8-22-83
NEW RIVER INLET
Great Neck Landing
Nerrissa
Russell
Willis Landing
SWANSBORO
WHITE OAK RIVER
WATERWAY
INTRACOASTAL
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
CORPS BASE
7-22-83 J.R. Rich
● - ONE CRAWL with NEST
● - ONE CRAWL with NEST Predation

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

AERIAL SURVEY DATA

Date: [illegible] Time: S [illegible] F [illegible]

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General clear 7 miles vis Cloud Cover Clear

Wind Speed ENE 8-10 K Sea Conditions Light Chop

BEACH AERIAL SURVEYS Altitude 100 FT

Air Speed 60 K

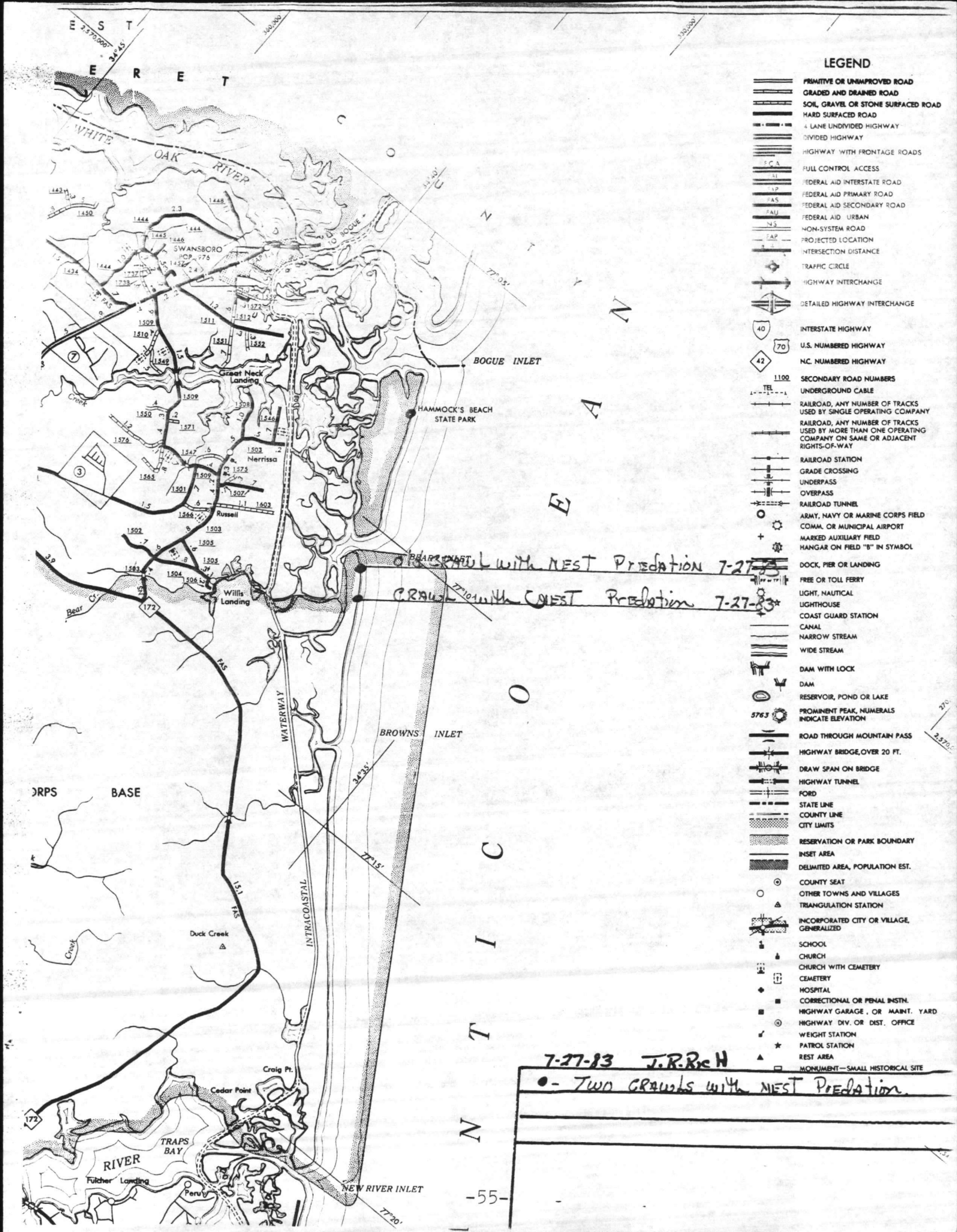
Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	1	1	2	0
Bear Beach	0	0	0	0	0	0

OCEAN AERIAL SURVEYS Altitude 300 Ft

Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments: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HARD SURFACED ROAD
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DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
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FEDERAL AID INTERSTATE ROAD
FEDERAL AID PRIMARY ROAD
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RAILROAD TUNNEL
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HANGAR ON FIELD "B" IN SYMBOL
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DAM
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ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
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INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
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TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
WHITE OAK RIVER
SWANSBORO POP. 776
Great Neck Landing
Nerrissa
Russell
Willis Landing
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
BEAR INLET
BROWNS INLET
NEW RIVER INLET
WATERWAY
INTRACOASTAL
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
BASE
CRAWL with NEST Predation 7-27-83
CRAWL with NEST Predation 7-27-83
7-27-83 J.R. Rich
• - Two crawls with nest predation.

AERIAL SURVEY DATA

Date: July 29 1982 Time: S 06:14 F 08:30

Recorder Name: J. R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 3000 BKN 7 miles vis. Cloud Cover 3000 BKN

Wind Speed Less than 5 K. Sea Conditions Calm

BEACH AERIAL SURVEYS Altitude 100 Ft

Air Speed 60 K

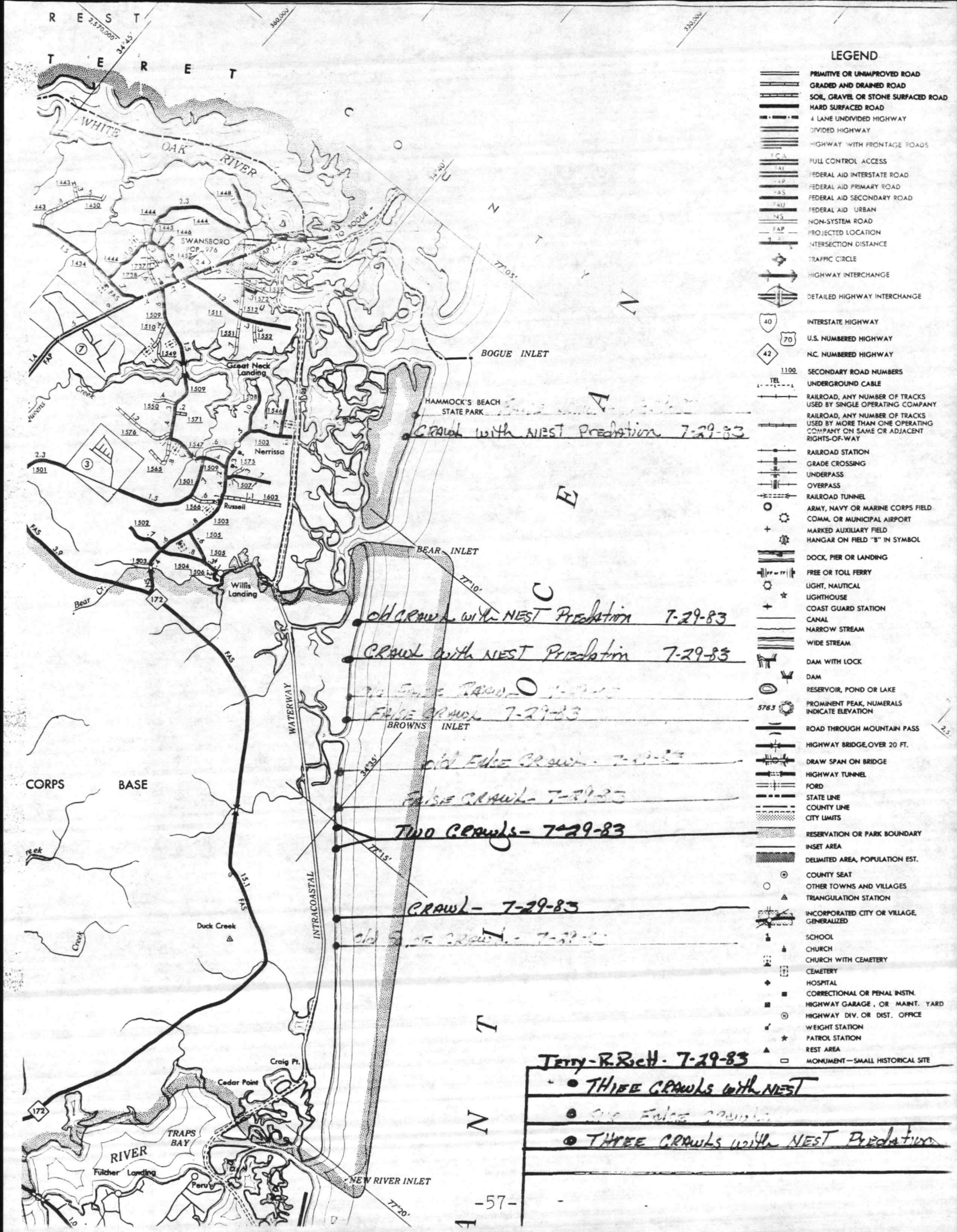
Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	1	2	3	0	0	0
Browns Island	1	1	1	1	2	0
Bear Beach	1	0	1	0	1	0

OCEAN AERIAL SURVEYS Altitude 300 FT

Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments: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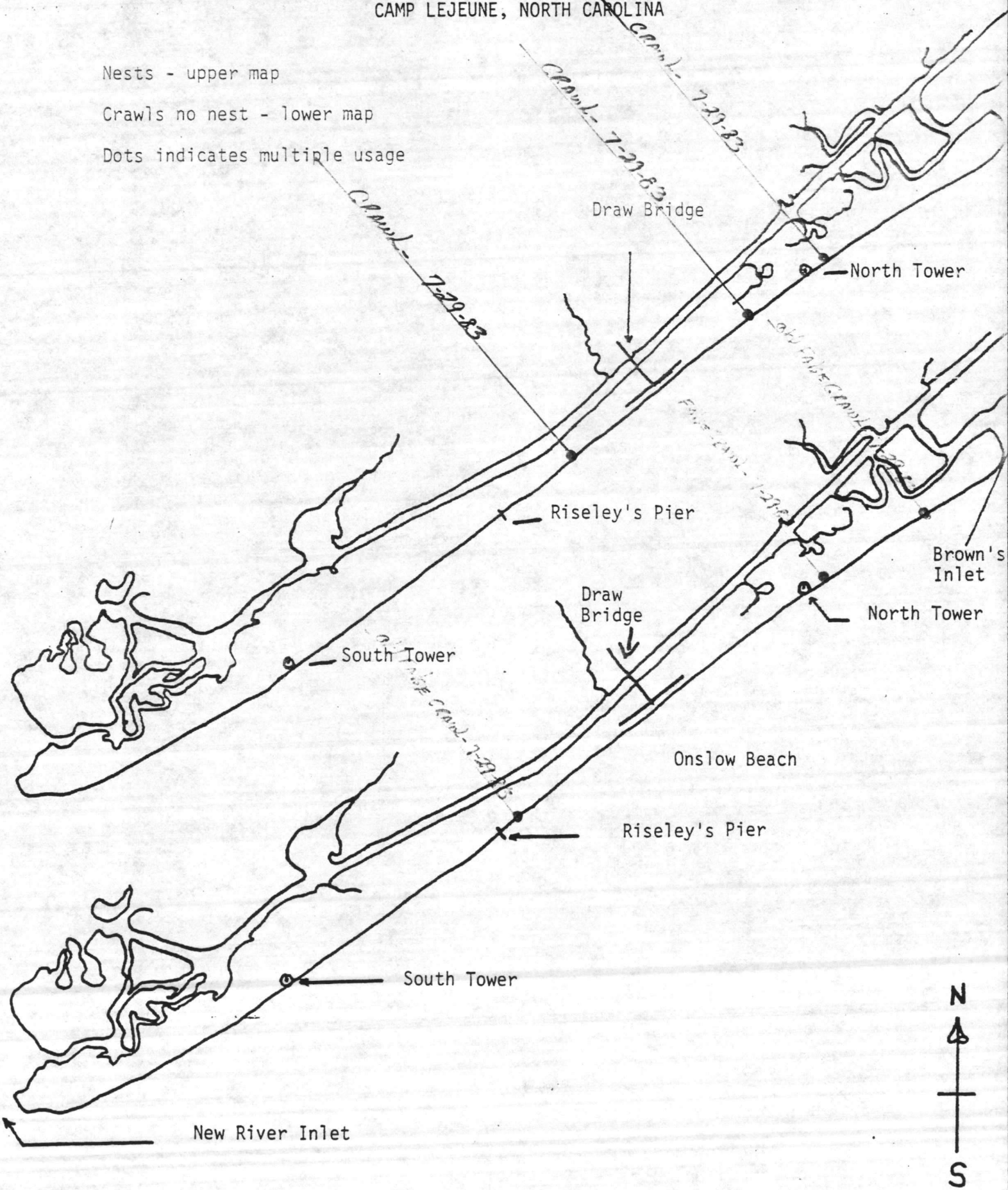
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FCA FULL CONTROL ACCESS
FAI FEDERAL AID INTERSTATE ROAD
FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
40 INTERSTATE HIGHWAY
70 U.S. NUMBERED HIGHWAY
42 N.C. NUMBERED HIGHWAY
1100 SECONDARY ROAD NUMBERS
TEL UNDERGROUND CABLE
RAILROAD, ANY NUMBER OF TRACKS USED BY SINGLE OPERATING COMPANY
RAILROAD, ANY NUMBER OF TRACKS USED BY MORE THAN ONE OPERATING COMPANY ON SAME OR ADJACENT RIGHTS-OF-WAY
RAILROAD STATION
GRADE CROSSING
UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
5763 PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
REST
WHITE OAK RIVER
SWANSBORO
POP. 976
Great Neck Landing
Nerrissa
Russell
Willis Landing
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
BEAR INLET
BROWNS INLET
WATERWAY
INTRACOASTAL
CORPS BASE
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
Crawl with NEST Predation 7-29-83
Old Crawl with NEST Predation 7-29-83
Crawl with NEST Predation 7-29-83
FALSE CRAWL 7-29-83
Old False Crawl - 7-29-83
False Crawls - 7-29-83
TWO Crawls - 7-29-83
Crawl - 7-29-83
Jerry - R. Rich - 7-29-83
THREE Crawls with NEST
THREE Crawls with NEST Predation

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

AERIAL SURVEY DATA

Date: August 4 1983 Time: S [illegible] F [illegible]

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 1000 Bkn Rain Cloud Cover 1000 BKN

Wind Speed Calm Sea Conditions Calm

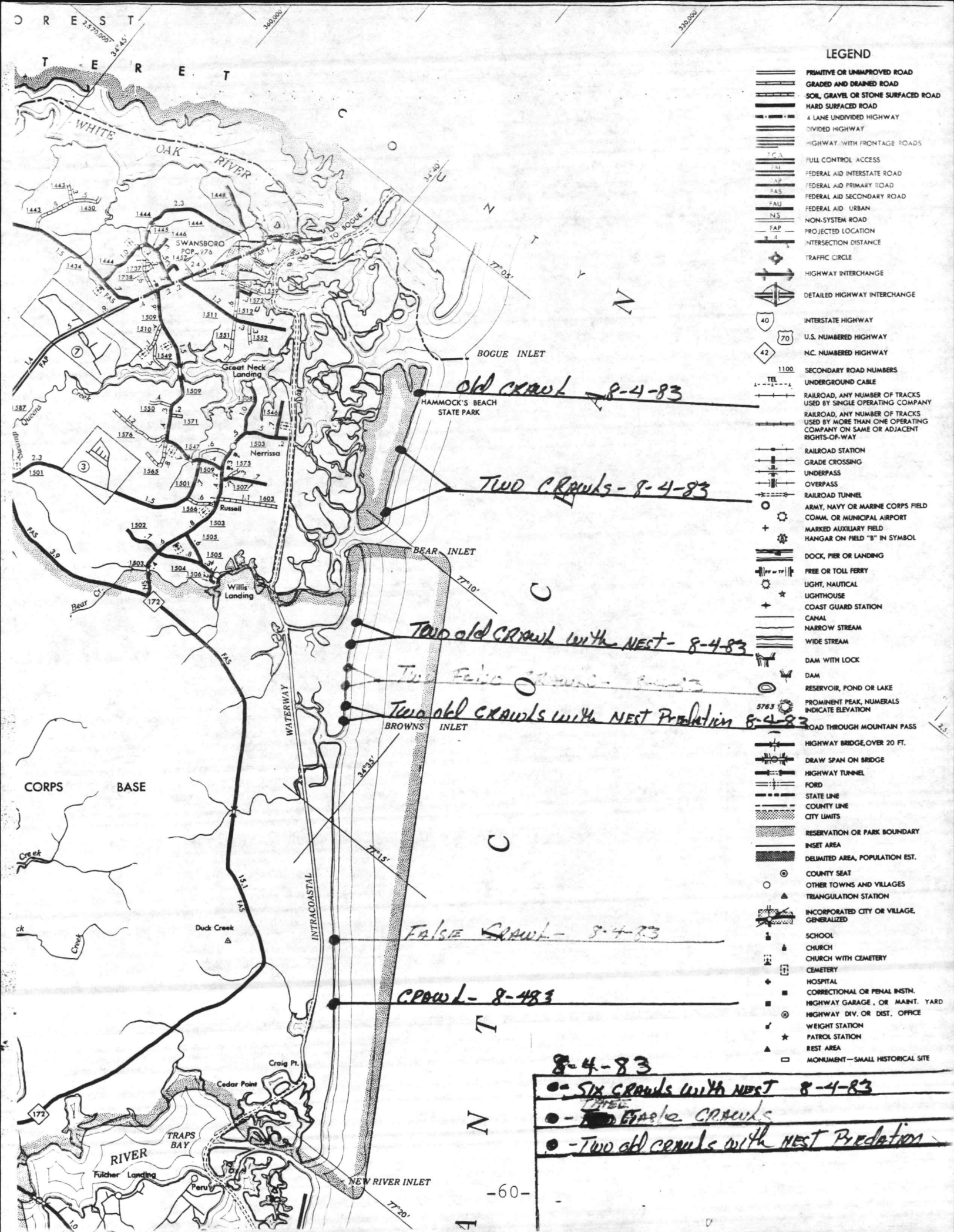
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	1	0	1	0	0	0
Browns Island	2	0	0	4	2	0
Bear Beach	0	0	2	1	0	0

OCEAN AERIAL SURVEYS Altitude 300 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments:


LEGEND
PRIMITIVE OR UNIMPROVED ROAD
GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FCA FULL CONTROL ACCESS
FAI FEDERAL AID INTERSTATE ROAD
FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
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DAM
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ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
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SWANSBORO POP. 776
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Nerrissa
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Willis Landing
Duck Creek
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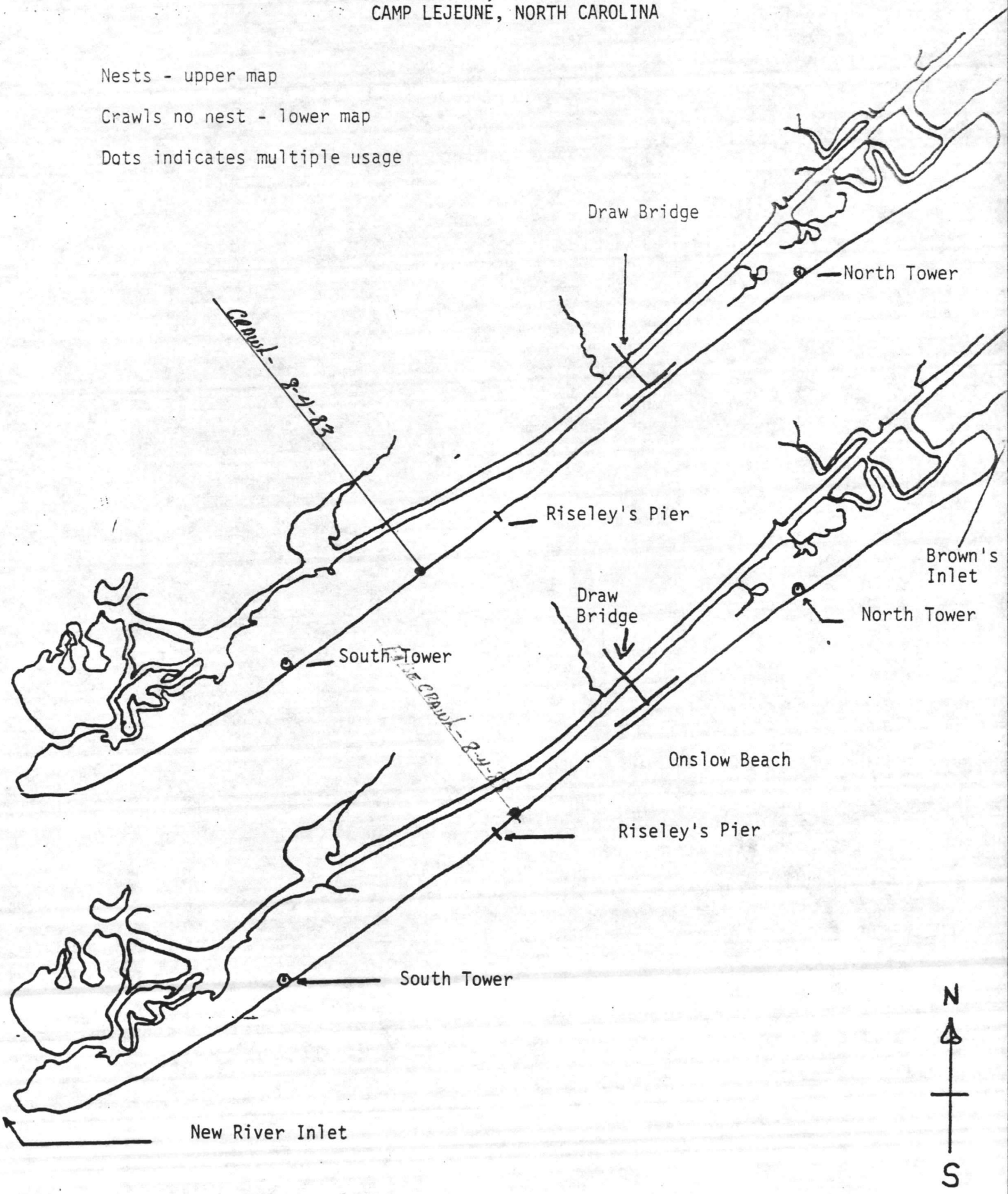
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
BEAR INLET
BROWNS INLET
NEW RIVER INLET
WATERWAY
INTRACOASTAL
CORPS BASE
Old CRAWL 8-4-83
TWO CRAWLS - 8-4-83
Two old CRAWL with NEST - 8-4-83
Two old CRAWLS with NEST Predation 8-4-83
FALSE CRAWL - 8-4-83
CRAWL - 8-4-83
8-4-83
- SIX CRAWLS with NEST 8-4-83
- THREE Eagle CRAWLS
- Two old CRAWLS with NEST Predation

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

AERIAL SURVEY DATA

Date: August 9 1983 Time: S 06:10 F 08:12

Recorder Name: Jenny R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 2-3 miles fog & haze Cloud Cover Clear

Wind Speed SW 8 K Sea Conditions Light chop

BEACH AERIAL SURVEYS Altitude 100 Ft

Air Speed 60 K

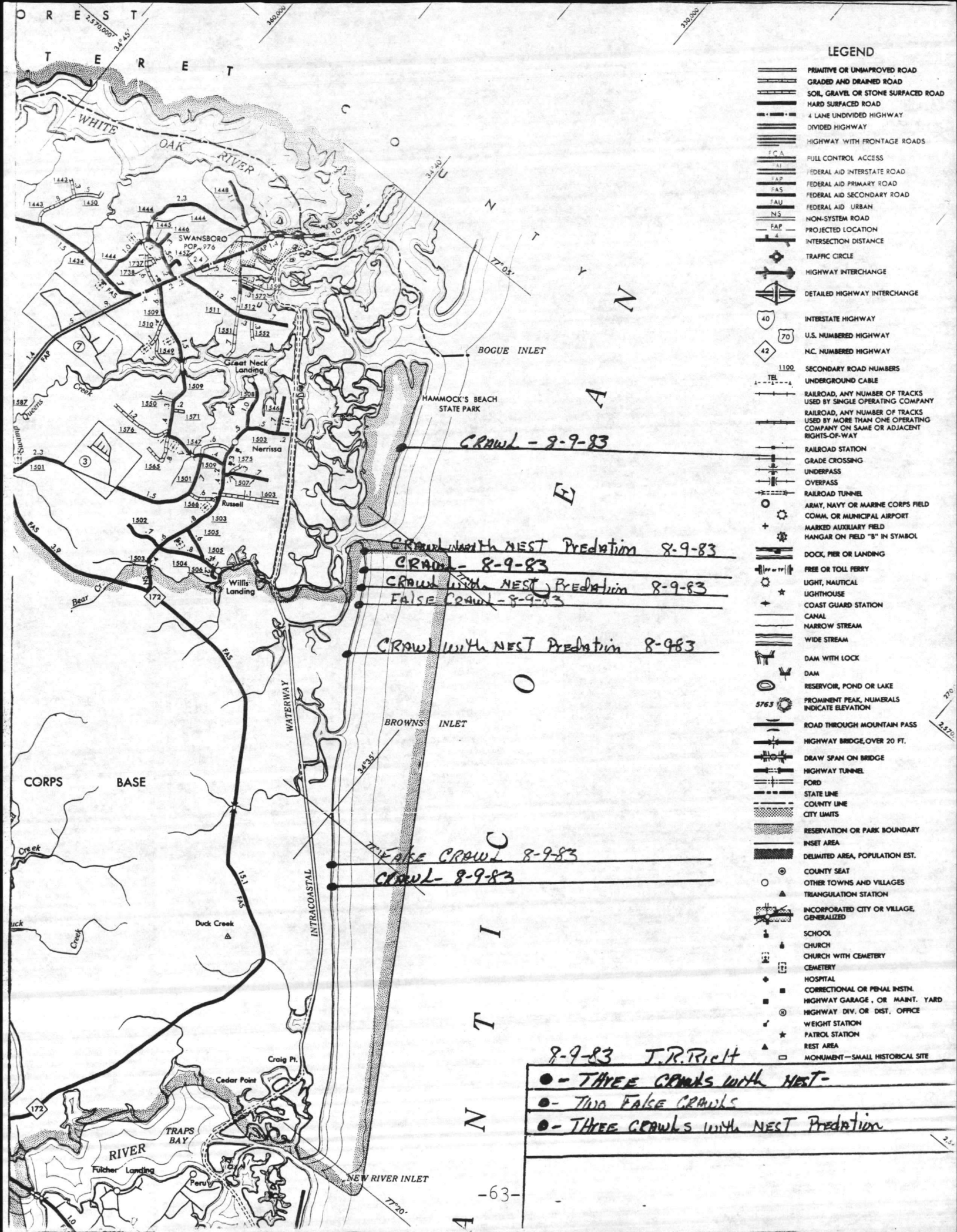
Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	1	0	0	0	0	0
Browns Island	1	0	4	0	3	0
Bear Beach	0	0	1	0	0	0

OCEAN AERIAL SURVEYS Altitude 300 Ft

Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments:


LEGEND
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GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FULL CONTROL ACCESS
FEDERAL AID INTERSTATE ROAD
FEDERAL AID PRIMARY ROAD
FEDERAL AID SECONDARY ROAD
FEDERAL AID URBAN
NON-SYSTEM ROAD
PROJECTED LOCATION
INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
INTERSTATE HIGHWAY
U.S. NUMBERED HIGHWAY
N.C. NUMBERED HIGHWAY
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OVERPASS
RAILROAD TUNNEL
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COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
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NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
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CITY LIMITS
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WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
WHITE OAK RIVER
SWANSBORO POP. 776
Great Neck Landing
Nerrissa
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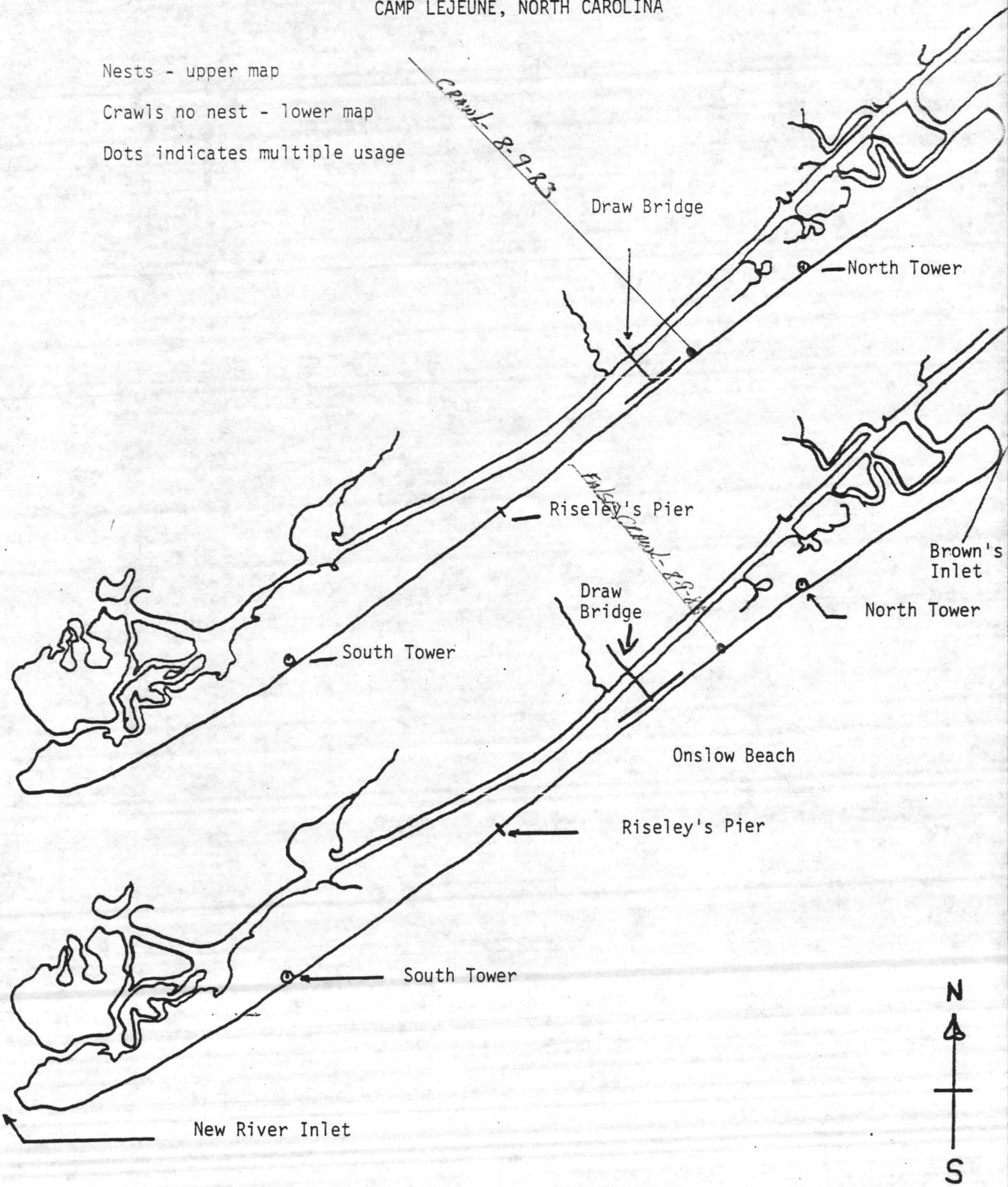
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
BROWNS INLET
NEW RIVER INLET
WATERWAY
INTRACOASTAL
CORPS BASE
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
CRAWL - 8-9-83
CRAWL with NEST Predation 8-9-83
CRAWL - 8-9-83
CRAWL with NEST Predation 8-9-83
FALSE CRAWL - 8-9-83
CRAWL with NEST Predation 8-9-83
FALSE CRAWL 8-9-83
CRAWL - 8-9-83
8-9-83 J.R.Rich
●- THREE CRAWLS with NEST-
●- TWO FALSE CRAWLS
●- THREE CRAWLS with NEST Predation

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



MAP 1

AERIAL SURVEY DATA

Date: August 11 1983 Time: S 06:02 F 08:22

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 1 mile fog & haze Cloud Cover 800 OVC

Wind Speed SW 8-10 K Sea Conditions Chop

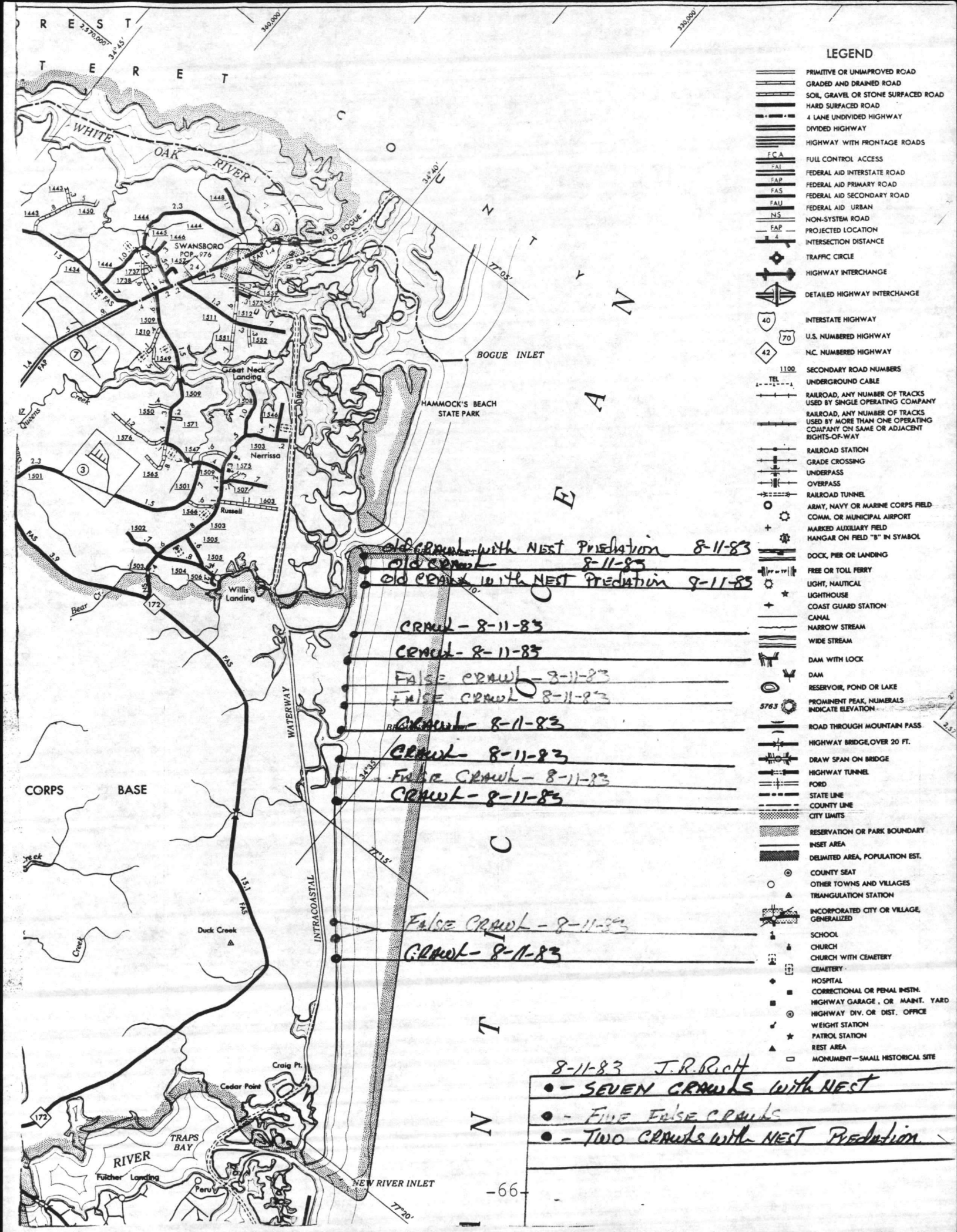
BEACH AERIAL SURVEYS Altitude 100 FT
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	2	0	3	3	0	2
Bear Beach	2	0	3	0	0	0

OCEAN AERIAL SURVEYS Altitude 300 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments:


LEGEND
PRIMITIVE OR UNIMPROVED ROAD
GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FCA FULL CONTROL ACCESS
FAI FEDERAL AID INTERSTATE ROAD
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FAP PROJECTED LOCATION
INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
40 INTERSTATE HIGHWAY
70 U.S. NUMBERED HIGHWAY
42 N.C. NUMBERED HIGHWAY
1100 SECONDARY ROAD NUMBERS
TEL UNDERGROUND CABLE
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UNDERPASS
OVERPASS
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MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
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ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
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COUNTY LINE
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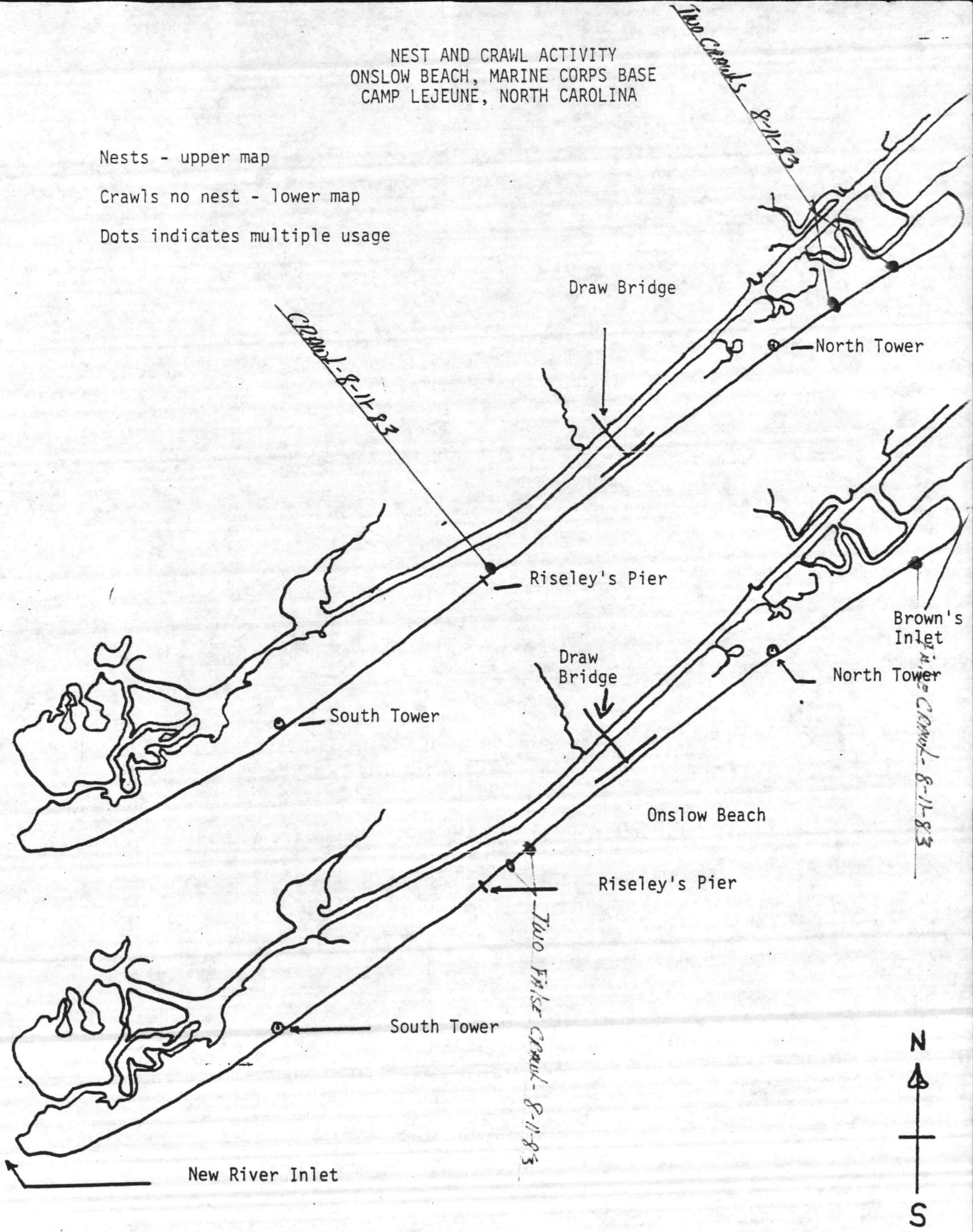
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
WHITE OAK RIVER
SWANSBORO
POP. 976
TO BOGUE
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
Great Neck Landing
Nerrissa
Russell
Willis Landing
Queens Creek
Bear Cr.
WATERWAY
INTRACOASTAL
CORPS BASE
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
Old crawl with NEST Predation 8-11-83
Old crawl 8-11-83
Old crawl with NEST Predation 8-11-83
CRAWL - 8-11-83
CRAWL - 8-11-83
FALSE CRAWL - 8-11-83
FALSE CRAWL 8-11-83
CRAWL - 8-11-83
CRAWL - 8-11-83
FALSE CRAWL - 8-11-83
CRAWL - 8-11-83
FALSE CRAWL - 8-11-83
CRAWL - 8-11-83
8-11-83 J.R. Rich
• - SEVEN CRAWLS with NEST
• - FIVE FALSE CRAWLS
• - TWO CRAWLS with NEST Predation

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

AERIAL SURVEY DATA

Date: August 16 1983 Time: S 06:04 F 08:05

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 1-2 miles fog Cloud Cover 1000 SCT

Wind Speed Less than 5 K Sea Conditions Calm

BEACH AERIAL SURVEYS Altitude 100 FT

Air Speed 60 K

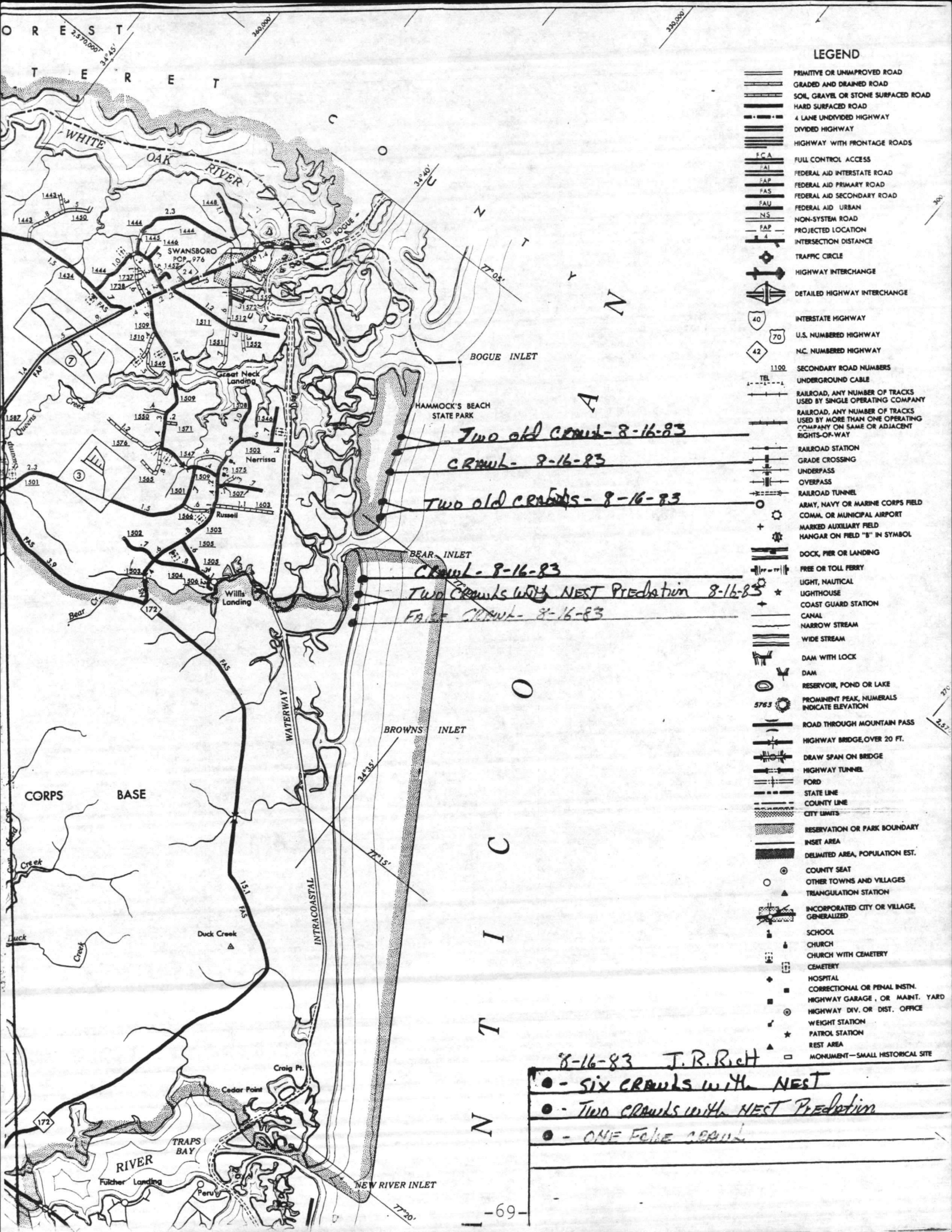
Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	1	0	3	0	2	0
Bear Beach	0	0	1	4	0	0

OCEAN AERIAL SURVEYS ~~Altitude~~ 300 Ft

Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments: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FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
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FAP PROJECTED LOCATION
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TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
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WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
WHITE OAK RIVER
SWANSBORO POP. 976
TO BOGUE
BOGUE INLET
Great Neck Landing
HAMMOCK'S BEACH STATE PARK
Two old crawl - 8-16-83
CRAWL - 8-16-83
Two old crawls - 8-16-83
Nerrissa
Russell
BEAR INLET
CRAWL - 8-16-83
TWO CRAWLS WITH NEST Predation 8-16-83
FALSE CRAWL - 8-16-83
Willis Landing
Bear Cr.
WATERWAY
INTRACOASTAL
BROWNS INLET
CORPS BASE
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
8-16-83 J.R. Rich
● - SIX CRAWLS WITH NEST
● - TWO CRAWLS WITH NEST Predation
● - ONE FALSE CRAWL

AERIAL SURVEY DATA

Date: August 19 83 Time: S 06:01 F 08:04

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 10,000 BKN 3 miles haze Cloud Cover 10,000 BKN

Wind Speed SSW 10-15 K Sea Conditions White caps

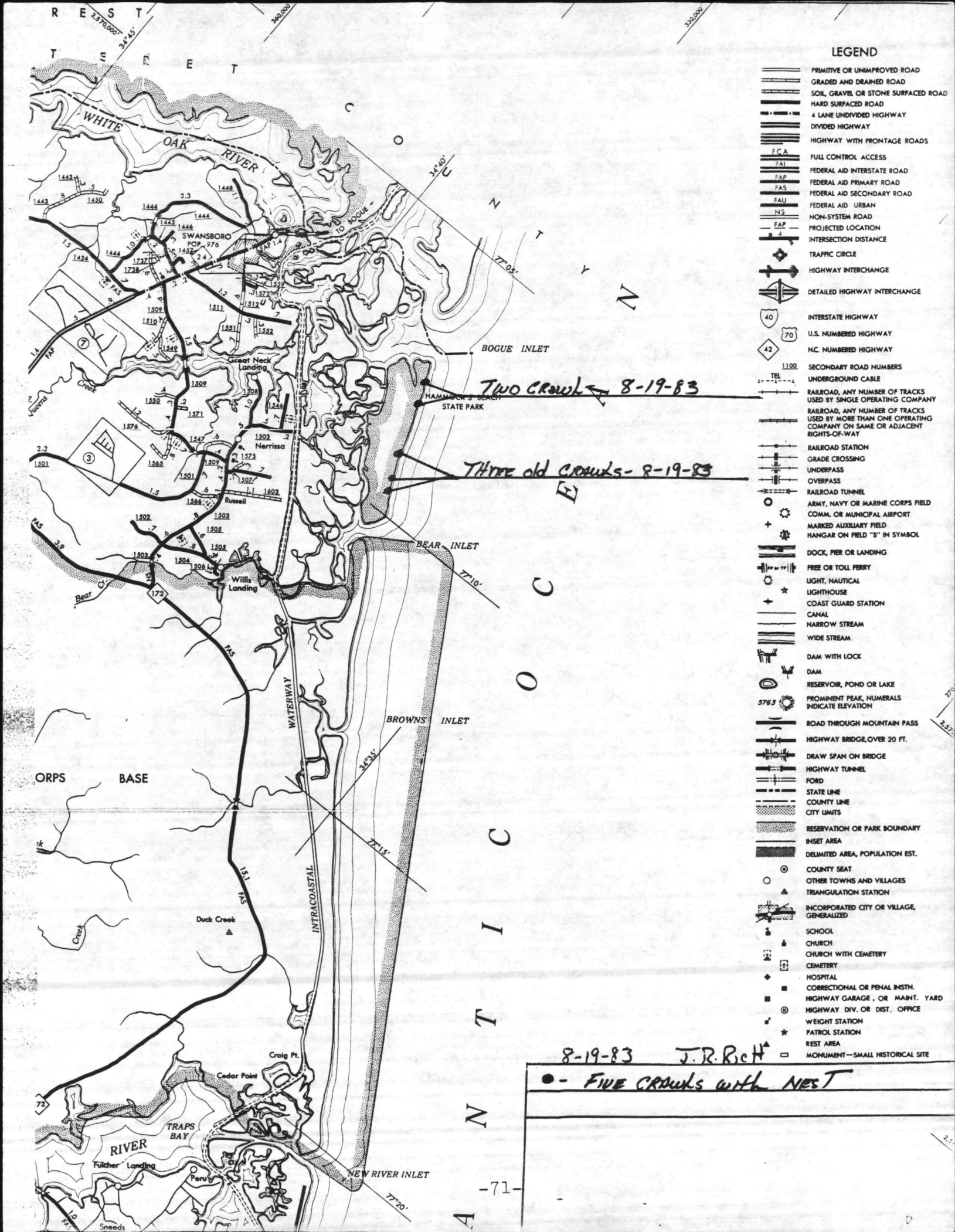
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	0	0	0	0
Bear Beach	0	0	2	3	0	0

OCEAN AERIAL SURVEYS Altitude 300 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments: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FAP PROJECTED LOCATION
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TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
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TEL UNDERGROUND CABLE
RAILROAD, ANY NUMBER OF TRACKS USED BY SINGLE OPERATING COMPANY
RAILROAD, ANY NUMBER OF TRACKS USED BY MORE THAN ONE OPERATING COMPANY ON SAME OR ADJACENT RIGHTS-OF-WAY
RAILROAD STATION
GRADE CROSSING
UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
5763 PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
REST
CARTERET COUNTY
WHITE OAK RIVER
SWANSBORO POP. 976
TO BOGUE
BOGUE INLET
Two crawls 8-19-83
HAMMOCK'S BEACH STATE PARK
Three old crawls - 8-19-83
Great Neck Landing
Nerrissa
Russell
Willis Landing
BEAR INLET
BROWNS INLET
WATERWAY
INTRACOASTAL
ORPS BASE
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
Sneeds
ATLANTIC OCEAN
8-19-83 J.R. Rich
● - Five crawls with nest

AERIAL SURVEY DATA

Date: 8-23 83 Time: S _____ F _____

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: _____

Co-Pilot: None Crew Chief: _____

Others: None

Weather: General 900 ovc 1 mile fog & haze Cloud Cover 1000 ovc

Wind Speed 230 10 K Sea Conditions Chop

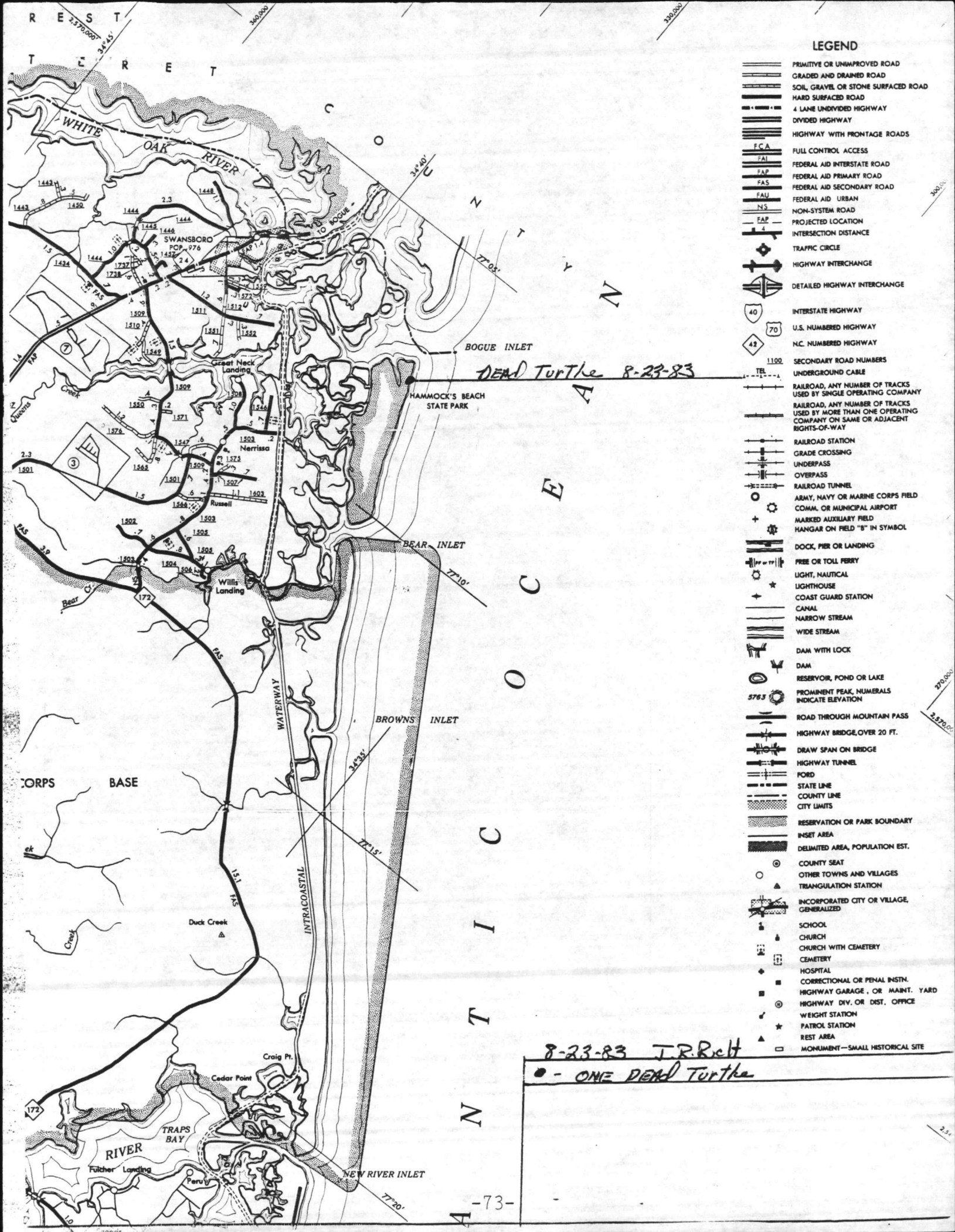
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	0	0	0	0
Bear Beach	0	0	0	0	0	0

OCEAN AERIAL SURVEYS Altitude 300 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	One dead turtle Bear Beach

Comments:


LEGEND
PRIMITIVE OR UNIMPROVED ROAD
GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FCA FULL CONTROL ACCESS
FAI FEDERAL AID INTERSTATE ROAD
FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
40 INTERSTATE HIGHWAY
70 U.S. NUMBERED HIGHWAY
42 N.C. NUMBERED HIGHWAY
1100 SECONDARY ROAD NUMBERS
TEL UNDERGROUND CABLE
RAILROAD, ANY NUMBER OF TRACKS USED BY SINGLE OPERATING COMPANY
RAILROAD, ANY NUMBER OF TRACKS USED BY MORE THAN ONE OPERATING COMPANY ON SAME OR ADJACENT RIGHTS-OF-WAY
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COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
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TO ROGUE
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BEAR INLET
BROWNS INLET
WATERWAY
INTRACOASTAL
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru's
NEW RIVER INLET
CORPS BASE
Dead Turtle 8-23-83
8-23-83 J.R.Rich
● - ONE DEAD Turtle

AERIAL SURVEY DATA

Date: August 31 1983 Time: S _____ F _____

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: _____

Co-Pilot: None Crew Chief: _____

Others: None

Weather: General 200 Ft ¼ mile fog Cloud Cover _____

Wind Speed _____ Sea Conditions _____

BEACH AERIAL SURVEYS Altitude _____

Air Speed _____

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	Unable to make flight due to weather, Kinston 200 ft. ¼ miles fog from 05:00 thru 08:00. Check with range control about making flight after 08:00. Unable to make flight after 08:00 because range in use from 08:00 thru 17:00. Cancel flight for 31 August 1983					
Browns Island						
Bear Beach						
				J. R. Rich		

OCEAN AERIAL SURVEYS Altitude _____

Air Speed _____

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet			

Comments:

Hugh Passingham

3-201
(2/76)

DEPARTMENT OF THE INTERIOR
U.S. FISH AND WILDLIFE SERVICE

FEDERAL FISH AND WILDLIFE PERMIT

1. PERMITTEE

Camp Lejeune Marine
Corps Base
U.S. Marine Corps
Camp Lejeune, North Carolina 28542

Hugh

2. AUTHORITY-STATUTES
16 USC 1533(d)

REGULATIONS (*Attached*)
50 CFR 17.32

3. NUMBER
PRT 2-7844

4. RENEWABLE
[XX] YES
[ ] NO

5. MAY COPY
[XX] YES
[ ] NO

6. EFFECTIVE
MAY 6 1983

7. EXPIRES
05/31/85

8. NAME AND TITLE OF PRINCIPAL OFFICER (*If #1 is a business*)
Julian I. Wooten, Director

9. TYPE OF PERMIT
THREATENED SPECIES

10. LOCATION WHERE AUTHORIZED ACTIVITY MAY BE CONDUCTED

Camp Lejeune, North Carolina

11. CONDITIONS AND AUTHORIZATIONS:

A. GENERAL CONDITIONS SET OUT IN SUBPART D OF 50 CFR 13, AND SPECIFIC CONDITIONS CONTAINED IN FEDERAL REGULATIONS CITED IN BLOCK #2 ABOVE, ARE HEREBY MADE A PART OF THIS PERMIT. ALL ACTIVITIES AUTHORIZED HEREIN MUST BE CARRIED OUT IN ACCORD WITH AND FOR THE PURPOSES DESCRIBED IN THE APPLICATION SUBMITTED. CONTINUED VALIDITY, OR RENEWAL, OF THIS PERMIT IS SUBJECT TO COMPLETE AND TIMELY COMPLIANCE WITH ALL APPLICABLE CONDITIONS, INCLUDING THE FILING OF ALL REQUIRED INFORMATION AND REPORTS.

B. THE VALIDITY OF THIS PERMIT IS ALSO CONDITIONED UPON STRICT OBSERVANCE OF ALL APPLICABLE FOREIGN, STATE, LOCAL OR OTHER FEDERAL LAW.

C. VALID FOR USE BY PERMITTEE NAMED ABOVE

D. Authorized to take green (Chelonia mydas) and loggerhead (Caretta caretta) sea turtles to tag and measure adults and to relocate nests for the purpose of scientific research and enhancement of survival PROVIDED: (1) only nests threatened by erosion, tides, extreme predation or military activities are moved, (2) nests may be relocated only to safe beach sites (not laboratories), (3) relocated nests are monitored and hatching success recorded, (4) the permittee may move nests only within 24 hours of egg deposition or after two weeks following deposition (preferably eggs should be moved within 12 hours of deposition) and (5) no eggs be removed or relocated outside the Camp Lejeune general beach vicinity.

E. Nesting females should be double tagged by placing one tag on each front flipper.

F. The Atlanta, GA USFWS Endangered Species Office (404/831-4671) must be notified before commencing the permitted activity.

[XX] ADDITIONAL CONDITIONS AND AUTHORIZATIONS ON REVERSE ALSO APPLY

12. REPORTING REQUIREMENTS
A report of activities conducted under authority of this permit must be submitted to the Wildlife Permit Office, P.O. Box 3654, Arlington, VA 22203 by January 31st following each year this permit is in effect.

ISSUED BY	TITLE	DATE
Larry LaRochelle	Chief, Branch of Permits Federal Wildlife Permit Office	MAY 6 1983

ORIGINAL

G. Acceptance of this permit serves as evidence that the permittee understands and agrees to abide by the "Special Conditions for Marine Mammals and Native Endangered and Threatened Species Permits" (copy attached). The permittee must have a copy of this permit in his possession while conducting the authorized activities.

ADDRESS ONLY THE DIRECTOR,
FISH AND WILDLIFE SERVICE

United States Department of the Interior

FISH AND WILDLIFE SERVICE
WASHINGTON, D.C. 20240

Implemented June 1982

Special Conditions for Marine Mammals and Native Endangered and Threatened Species Permits

1. Permittee must comply with the attached General Permit Conditions specified by the Federal Wildlife Permit Office.

2. Any dead or injured specimens of the authorized wildlife found may be salvaged or cared for.

3. Unless otherwise authorized on the face of the permit, the wildlife must be immediately released at or near the capture site after permitted activity.

4. Unexpected death or escape of the authorized wildlife shall be reported to the Federal Wildlife Permit Office (703/235-1903) before the end of the next business day.

5. BIRD banding, marking, radio tagging, etc. must be conducted in accordance with a Federal Bird Marking and Salvage permit.

THE FOLLOWING CONDITIONS APPLY UNTIL AUTHORIZED DISPOSAL OF THE WILDLIFE, REGARDLESS OF THE EXPIRATION DATE OF THE PERMIT:

6. The authorized wildlife may NOT be sold, donated or transferred unless the receiver has first been issued authorization by the Director.

7. Any dead authorized wildlife shall be preserved and held for scientific purposes whenever practical.

8. Any live SEA TURTLES held must be maintained in accordance with the "Care and Maintenance Standards for Sea Turtles Held in Captivity" specified by the Federal Wildlife Permit Office.

9. MARINE MAMMALS must be cared for and maintained in accordance with the Animal and Plant Health Inspection Service's regulations on "Marine Mammals; Humane Handling, Care, Treatment, and Transportation".

SEA TURTLE INVENTORY

for

SUMMER AND FALL 1983

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

JULIAN I. WOOTEN
DIRECTOR

CHARLES D. PETERSON
SUPERVISORY WILDLIFE
MANAGER

SAM F. POOLE
WILDLIFE BIOLOGIST

BRIAN C. SPAULDING
BIOLOGICAL TECHNICIAN

HUGH R. PASSINGHAM
BIOLOGICAL TECHNICIAN

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

SEA TURTLE INVENTORY

for

SUMMER AND FALL 1983

NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION
ASSISTANT CHIEF OF STAFF, FACILITIES
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ADVISOR, INSTUTUTE OF
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MOREHEAD CITY, NORTH CAROLINA

TABLE OF CONTENTS

INTRODUCTION

The sea turtle inventory for 1983 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 hatchling 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 36 hours of egg laying to a safe beach location and not to a laboratory. Relocated nests are required to be monitored and hatchling success documented.

The results of the aforementioned programs are as follows:

a. Nest protection from predators, 100%.

b. Tagging of adults - number of turtles tagged - 14. Tag return data may be reviewed in Table II, page 7.

c. Nesting data - number of nests - 42

d. Total number of crawls - 103

e. Total number of eggs - 5,031

f. Total number of hatchlings - 3,753

g. Number of tag returns - 4

h. Number stranded turtles - 2

Stranding reports were submitted to the North Carolina Wildlife Resources Stranding Network Coordinator. Carcasses were buried on the beach.

Percent hatchling success is 80.9% nesting and crawl data is compiled in Tables I, II, III, IV and V, and Graphs I and II on pages 2 through 15. The enclosed maps indicate locations of turtle activity on Onslow Beach.

Aerial survey data may be found in Table V, page 12.

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 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.

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

Crawl No.	Date	Time Crawl Occurred	Active Nest	Location*	Comments
001	6-8-83	2330	X	1.6(S)	Relocated to dune 160 eggs Tags AAR 051,052
002	6-11-83	0330		2.6(N)	C.O.
003	6-13-83	0330-0600		3.5(N)	C.O.
004	6-13-83	0330-0600		2.3(N)	C.O.
005	6-15-83	2330	X	1.6(S)	Relocated from 1.2(S) 121 eggs
006	6-15-83	2330		2.6(S)	C.O.
007	6-15-83	2400	X	2.3)S	Relocated from 2.9(S) 158 eggs Tags AAR 053,054
008	6-16-83	2300	X	3.7(N)	Relocated from 3.9(N) 142 eggs Tags AAR 055,056
009	6-16-83	2400		0.5(S)	C.O.
010	6-17-83	0430	X	1.1(N)	94 eggs. Relocated to dune
011	6-17-83	0330-0600		3.0(N)	C.O.
012	6-18-83	2300	X	3.6(N)	Relocated 8' to dune 129 eggs
013	6-18-83	2400		2.3(N)	C.O.
014	6-18-83	2430		3.7(N)	C.O.
015	6-19-83	2200	X	2.3(S)	Relocated from 2.7(S) 90 eggs Return IBS 813,814
016	6-19-83	0135	X	2.3(N)	Relocated from 2.0(N) 133 eggs Tags AAR 059,060
017	6-20-83	2300	X	3.6(N)	Relocated to dune 105 eggs Tags AAR 061,062
018	6-20-83	0230	X	2.3(N)	Relocated to dune ** 138 eggs Return IMS768,769
019	6-20-83	0330-0600		1.6(N)	C.O.
020	6-24-83	2200	X	2.2(N)	Relocated to dune 107 eggs Tags AAR 065,066
021	6-26-83	2330	X	2.2(N)	Relocated from 0.7(S) 130 eggs

** Retagged AAR 063, 064

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 made or thought to have occurred. Conduct surveys daily during regular working hours 0800-1630 traveling by four wheel drive vehicle when tide is low. Traverse the beach flood plane in vehicle to avoid leaving tire tracks in the sand.

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

Crawl No.	Date	Time Crawl Occurred	Active Nest	Location*	Comments
022	6-28-83	0200	X	1.0(N)	Relocated to dunes 111 eggs
023	6-30-83	2200		2.6(S)	Return IMS 716, AAR 071 C.O. disturbed turtle
024	6-30-83	0045		1.7(N)	C.O.
025	7-1-83	0200		2.1(N)	C.O. Tags AAR 067, 068
026	7-1-83	2200		2.7(N)	Disturbed turtle C.O. Tags AAR 069, 070
027	7-1-83	2130	X	4.0(N)	Relocated to dune 138 eggs Ret. IMS 813,814
028	7-1-83	2200	X	2.3(N)	Relocated to dune 17 Eggs Ret.IMS716,AAR071
029	7-2-83	0030		3.7(N)	C.O.
030	7-2-83	0200		1.6(N)	C.O.
031	7-2-83	0215	X	0.1(N)	Relocated from 0.05(S) 122 eggs Ret.AAR 067,068
032	7-2-83	0215		0.6(S)	C.O.
033	7-2-83	0215	X	2.1(N)	Return AAR 069,070 134 eggs
034	7-2-83	2145		1.6(N)	C.O.
035	7-2-83	2245		2.1(N)	C.O.
036	7-2-83	2245	X	2.7(N)	Relocated to dune 135 eggs Ret.AAR 059,060
037	7-2-83	2315		3.0(N)	C.O. Return IMS 817,064
038	7-2-83	2330	X	0.6(N)	Relocated from 1.0(S) 137 eggs Tags AAR 072,073
039	7-3-83	0145	X	0.6(N)	Relocated to dune 99 eggs Ret.IMS716 AAR 071
040	7-5-83	2400		2.6(N)	C.O.
041	7-5-83	2200	X	3.0(N)	Relocated 14' to dune 119 eggs
042	7-5-83	2300		3.7(N)	C.O.

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 made or thought to have occurred. Conduct surveys daily during regular working hours 0800-1630 traveling by four wheel drive vehicle when tide is low. Traverse the beach flood plane in vehicle to avoid leaving tire tracks in the sand.

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

Crawl No.	Date	Time Crawl Occurred	Active Nest	Location*	Comments
043	7-5-83	2330	X	3.6(N)	56 eggs
044	7-6-83	0300-0600		0.5(N)	C.O.
045	7-8-83	0100	X	0.4(N)	Relocated to dune 144 eggs Tags AAR 074,075
046	7-10-83	2400	X	2.3(S)	Relocated from 3.6(S) 128 eggs Ret.AAR 051, 052
047	7-10-83	0100		0.1(S)	C.O.
048	7-11-83	2300		1.5(N)	C.O.
049	7-11-83	0100	X	2.3(N)	101 eggs. Ret.AAR 065, 066
050	7-11-83	2400	X	2.3(N)	Relocated from 4.5(N) 128 eggs
051	7-13-83	0135		4.2(N)	C.O.
052	7-14-83	2400		2.1(N)	C.O.
053	7-15-83	0300-0600		1.7(N)	C.O.
054	7-15-83	0300-0600	X	1.7(N)	Relocated to dune 142 eggs
055	7-16-83	2120		0.4(N)	C.O.
056	7-16-83	2230	X	0.8(N)	Relocated to dune 58 eggs Tags IMS 820,821
057	7-16-83	2315	X	2.3(N)	Tags IMS 822, 823 117 eggs
058	7-16-83	0040		2.5(N)	C.O.
059	7-16-83	0130	X	0.1(N)	Relocated to dune 116 eggs
060	7-17-83	0300-0600		3.8(N)	C.O. (2 body pits)
061	7-17-83	0300-0600		0.4(N)	C.O.
062	7-17-83	0300-0600		1.2(S)	C.O.
063	7-17-83	2230		0.7(N)	C.O.

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 made or thought to have occurred. Conduct surveys daily during regular working hours 0800-1630 traveling by four wheel drive vehicle when tide is low. Traverse the beach flood plane in vehicle to avoid leaving tire tracks in the sand.

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

Crawl No.	Date	Time Crawl Occurred	Active Nest	Location*	Comments
064	7-17-83	2200	X	2.6(N)	Relocated from 2.7(N) 119 eggs Ret.AAR 061, 062
065	7-17-83	2330	X	0.4(N)	Relocated to dune 161 eggs Ret.IMS 716,AAR 071
066	7-17-83	2400	X	0.4(N)	Relocated from 3.1(N) 146 eggs Ret.IMS 768, 769
067	7-21-83	2400		1.8(N)	C.O.
068	7-27-83	2300		4.0(N)	C.O. Ret.IMS 817, 064
069	7-27-83	2300		3.7(N)	C.O. Tags AAR 079,080
070	7-27-83	2300		0.2(S)	C.O. Halfway up beach
071	7-27-83	2400		0.3(N)	C.O.
072	7-28-83	2215		2.2(N)	C.O. Ret. IMS 817,064
073	7-28-83	2230	X	2.1(N)	Relocated to dune 70 eggs Ret. AAR 079,080
074	7-28-83	2230	X	0.4(N)	137 eggs Relocated to dune
075	7-28-83	2400		2.9(N)	C.O.
076	7-28-83	0200	X	2.7(N)	134 Eggs Ret.AAR 069, 070
077	7-29-83	0030	X	2.9(N)	Relocated to dune 90 eggs Tags AAR 081,082
078	7-29-83	0200		1.3(N)	C.O.
079	7-29-83	0220	X	0.9(S)	163 eggs Relocated to Dune
080	7-30-83	2300	X	2.2(N)	127 eggs Relocated to dune
081	7-30-83	2345		2.4(N)	C.O.
082	7-30-83	0300-0600		1.1(S)	C.O.
083	8-3-83	0300-0600		0.1(N)	C.O.
084	8-5-83	2210	X	3.8(N)	140 eggs Relocated to dune

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 made or thought to have occurred. Conduct surveys daily during regular working hours 0800-1630 traveling by four wheel drive vehicle when tide is low. Traverse the beach flood plane in vehicle to avoid leaving tire tracks in the sand.

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

Crawl No.	Date	Time Crawl Occurred	Active Nest	Location*	Comments
085	8-8-83	2245		2.8(N)	Halfway up beach C.O. Ret.AAR 059, 060
086	8-8-83	2230		2.2(N)	C.O. Halfway up beach
087	8-12-83	2400		2.6(N)	C.O. Halfway up beach
088	8-12-83	0130	X	3.5(N)	Relocated to dune 124 Eggs. Ret.AAR 069,070
089	8-18-83	0120	X	2.9(N)	111 eggs. Reloc. to dunes

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 made or thought to have occurred. Conduct surveys daily during regular working hours 0800-1630 traveling by four wheel drive vehicle when tide is low. Traverse the beach flood plane in vehicle to avoid leaving tire tracks in the sand.

TABLE II

RETURN RECORD OF TAGGED TURTLES
1983 SEA TURTLE INVENTORY

Date Tagged	Tag Number	Return	Return	Return	Return
6-30-81 (3)	IMS 746, AAR071	6-30-83 (1)	7-1-83	7-3-83	7-17-83
1981 (4)	IMS 817, 064	7-2-83 (1)	7-27-83 (1)	7-28-83 (1)	
8-1-81 (2)	IMS 768, 769	6-20-83	7-17-83		
	(AAR 063, 064)				
7-27-82	IMS 813, 814	6-19-83	7-1-83		
6-8-83	AAR 051, 052	7-10-83			
6-15-83	AAR 053, 054				
6-16-83	AAR 055, 056				
6-19-83	AAR 059, 060	7-2-83	8-8-83		
6-20-83	AAR 061, 062	7-17-83			
6-24-83	AAR 065, 066	7-11-83			
7-1-83 (1)	AAR 067, 068	7-2-83			
7-1-83 (1)	AAR 069, 070	7-2-83	7-28-83	8-12-83	
7-2-83	AAR 072, 073				
7-8-83	AAR 074, 075				
7-16-83	IMS 820, 821				
7-16-83	IMS 822, 823				
7-21-83	AAR 076, 078				
7-27-83 (1)	AAR 079, 080	7-28-83			
7-29-83	AAR 081, 082				

(1) Did not nest

(2) Retagged

(3) Added one tag

(4) Tagged at Cape Lookout

TABLE III

CRAWL INFORMATION IN RELATION TO MOON AND TIDAL CYCLES AND WEATHER CONDITIONS

Date	Moon Rise % Illumin.	Time of High Tide	Time Crawl W/O Nest	Time Crawl W/Nest	Total Crawls	Weather	Temp H2O - AIR
6-8-83	0258 - 13%	1730		2330	1	Fair	70° - 69°
6-11-83	0457 - 00%	1955	0330		1	Fair	70° - 65°
6-13-83	0658 - 15%	2138	0730/0400		2	P/Cloudy	71° - 80°
6-15-83	0919 - 20%	2331	2330	2330/2400	3	Clear	75° - 77°
6-16-83	1029 - 30%	2400	2400	2300	2	Clear	79° - 75°
6-17-83	1137 - 41%	0032	0300	0430	2	Clear	77° - 75°
6-18-83	1242 - 52%	0134	2400/2430	2300	3	Clear	79° - 77°
6-19-83	1346 - 63%	0236		2200/0135	2	P/Cloudy	80° - 75°
6-20-83	1448 - 73%	0336	0330/0600	2300/0230	3	Cloudy	80° - 77°
6-24-83	1849 - 98%	1920		2200	1	Fair	78° - 78°
6-26-83	2034 -100%	2039		2330	1	P/Cloudy	79° - 75°
6-28-83	2158 - 94%	2154		0200	1	P/Cloudy	79° - 80°
6-30-83	2303 - 81%	2314	2200/0045/ 0200		3	P/Cloudy	78° - 78°
7-1-83	2340 - 73%	2356	2200/0030/ 0200/0215	2130/2200/ 0215/0215	8	P/Cloudy	79° - 78°
7-2-83	2400 - 65%	0041	2145/2245/ 2315	2245/2330/ 0145	6	-	-
7-5-83	0105 - 35%	0231	2400/2300	2200/2330	4	Cloudy	78° - 75°
7-6-83	0138 - 25%	0326	0330/0600		1	Cloudy	78° - 78°
7-8-83	0301 - 9%	1734		0100	1	Clear	77° - 88°
7-10-83	0458 - 0%	1941	0100	2400	2	Cloudy	78° - 78°
7-11-83	0608 - 0%	2032	2300	0100/2400	3	P/Cloudy	79° - 78°
7-13-83	0834 - 9%	2218	0135		1	Clear	79° - 78°
7-14-83	0945 - 17%	2313	2400		1	P/Cloudy	80° - 80°
7-15-83	1052 - 27%	1148	0300/0600	0330/0600	2	Clear	80° - 85°
7-16-83	1157 - 38%	0011	2120/0040/ 0300/0600/ 0300/0600/ 0300/0600	2230/2315/ 0130	8	Clear	78° - 80°

TABLE III (continued)

CRAWL INFORMATION IN RELATION TO MOON AND TIDAL CYCLES AND WEATHER CONDITIONS

Date	Moon Rise % Illumin.	Time of High Tide	Time Crawl W/O Nest	Time Crawl W/Nest	Total Crawls	Temp Weather	H20 - AIR
7-17-83	1300 - 49%	0110	2230	2200/2330/ 2400	4	P/Cloudy	80°- 83°
7-21-83	1701 - 86%	1728	2400		1	Clear	80°- 85°
7-27-83	2114 - 96%	2126	2300/2300/ 2300/2400		4	Clear	80°- 79°
7-28-83	2142 - 92%	2201	2215/2400	2230/2230/ 0030	5	Clear	80°- 80°
7-29-83	2210 - 86%	2238	0200	0030/0220	3	Cloudy	76°- 72°
7-30-83	2237 - 79%	2316	2345/0300/ 0600	2200	3	Clear	79°- 80°
8-3-83	0010 - 40%	0150	0300-0600		1	Cloudy	79°- 77°
8-5-83	0138 - 20%	1636		2210	1	Clear	74°- 80°
8-8-83	0455 - 1%	1925	2245/2230		2	P/Cloudy	82°- 82°
8-12-83	0943 - 24%	2252	2400	0130	2	Cloudy	75°- 75°

TABLE IV

GROUND SURVEY NUMBERS

(Nights not separated at Midnight)

Date	Crawls/No Nest	Crawls/Nest	Total
6-8-83	0	1	1
6-9-83	0	0	0
6-10-83	0	0	0
6-11-83	1	0	1
6-12-83	0	0	0
6-13-83	2	0	2
6-14-83	0	0	0
6-15-83	1	2	3
6-16-83	1	1	2
6-17-83	1	1	2
6-18-83	2	1	3
6-19-83	0	2	2
6-20-83	1	2	3
6-21-83	0	0	0
6-22-83	0	0	0
6-23-83	0	0	0
6-24-83	0	1	1
6-25-83	0	0	0
6-26-83	0	1	1
6-27-83	0	0	0
6-28-83	0	1	1
6-29-83	0	0	0
6-30-83	3	0	3
7-1-83	4	4	8
7-2-83	3	3	6
7-3-83	0	0	0
7-4-83	0	0	0
7-5-83	2	2	4
7-6-83	1	0	1
7-7-83	0	0	0
7-8-83	0	1	1
7-9-83	0	0	0
7-10-83	1	1	2
7-11-83	1	2	3
7-12-83	0	0	0
7-13-83	1	0	1
7-14-83	1	0	1
7-15-83	1	1	2
7-16-83	5	3	8
7-17-83	1	3	4
7-18-83	0	0	0
7-19-83	0	0	0
7-20-83	0	0	0
7-21-83	1	0	1
7-22-83	0	0	0
7-23-83	0	0	0
7-24-83	0	0	0
7-25-83	0	0	0
7-26-83	0	0	0
7-27-83	4	0	4
7-28-83	2	3	5
7-29-83	1	2	3

TABLE IV

GROUND SURVEY NUMBERS

(Nights not separated at Midnight)

Date	Crawls/No Nest	Crawls/Nest	Total
7-30-83	2	1	3
7-31-83	0	0	0
8-1-83	0	0	0
8-2-83	0	0	0
8-3-83	1	0	1
8-4-82	0	0	0
8-5-83	0	1	1
8-6-83	0	0	0
8-7-83	0	0	0
8-8-83	2	0	2
8-9-83	0	0	0
8-10-83	0	0	0
8-11-83	0	0	0
8-12-83	1	1	2
8-13-83	0	0	0

TABLE V

1983

AERIAL SURVEY

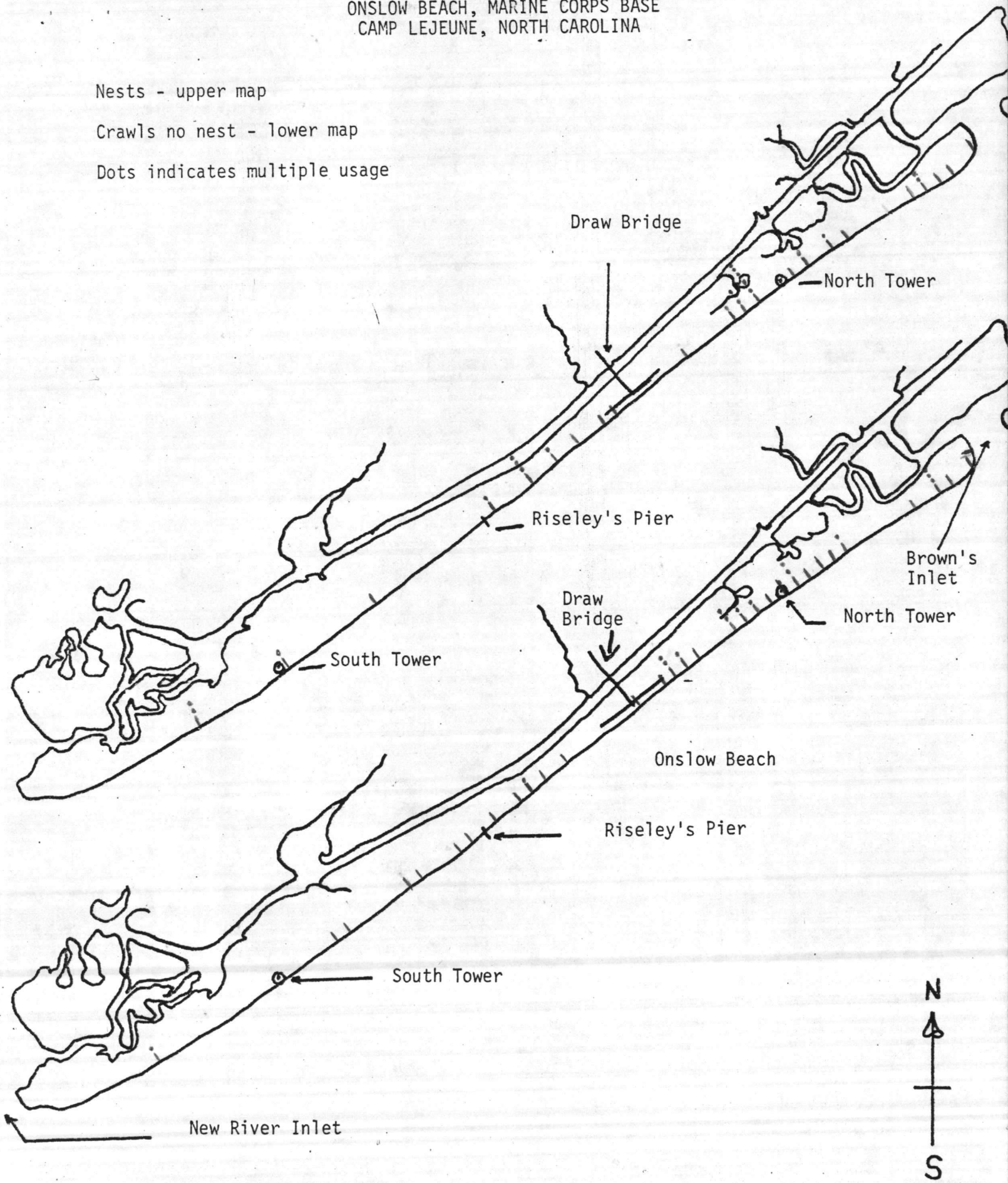
Date	ONSLOW BEACH						BROWNS ISLAND						HAMMOCKS BEACH						Weather Condition
	NC	OC	NN	ON	NP	OP	NC	OC	NN	ON	NP	OP	NC	OC	NN	ON	NP	OP	
5-26-83																			Fog/clear
5-31-83															1				Fog/cloudy
6-3-83																1			Fog/cloudy
6-7-83																			Fog/rain/cloudy
6-10-83																			Fog/rain/cloudy
6-13-83	1						1		1	1									Clear
6-17-83			5				2		6						1				Fog/clear
6-22-83			1	5			2		2	7	7		1		2	1			Haze/cloudy
6-24-83									1										Fog/cloudy
6-29-83			1						1		1		1		1				Haze/cloudy
7-5-83	2	1	2	1			2		1						2	2	2		Fog/cloudy
7-7-83							2		1				1		2				Haze/cloudy
7-10-83													3		2		1		Haze/fog/cloudy
7-15-83	2		2										1		3	1	1		Fog/cloudy
7-19-83			1	2			2		4		3		3		3	3		1	Haze/fog/cloudy
7-22-83				1						1	1								Rain/cloudy
7-27-83									1	1	2								Clear
7-29-83	1	2	3				1	1	1	1	2		1		1		1		Clear
8-4-83	1		1				2	4			2				2	1			Rain
8-11-83									3	3		2	2		3				Fog
8-19-83															2	3			Haze
8-23-83																			Fog
8-31-83	Did not make Flight-Weather Range Use																		

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

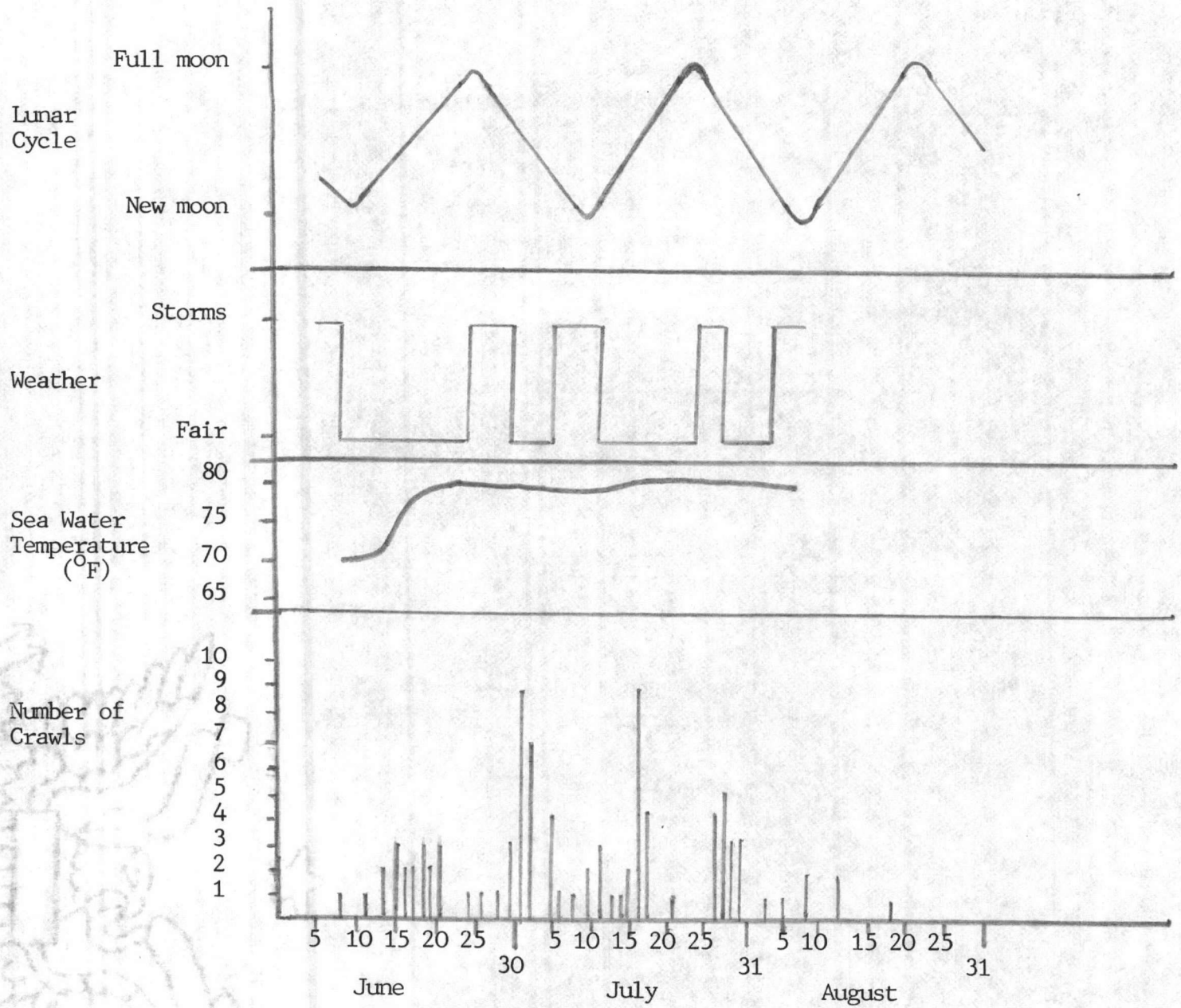


Fig. 1. Crawls in relation to lunar cycle, weather and seawater temperature

1989

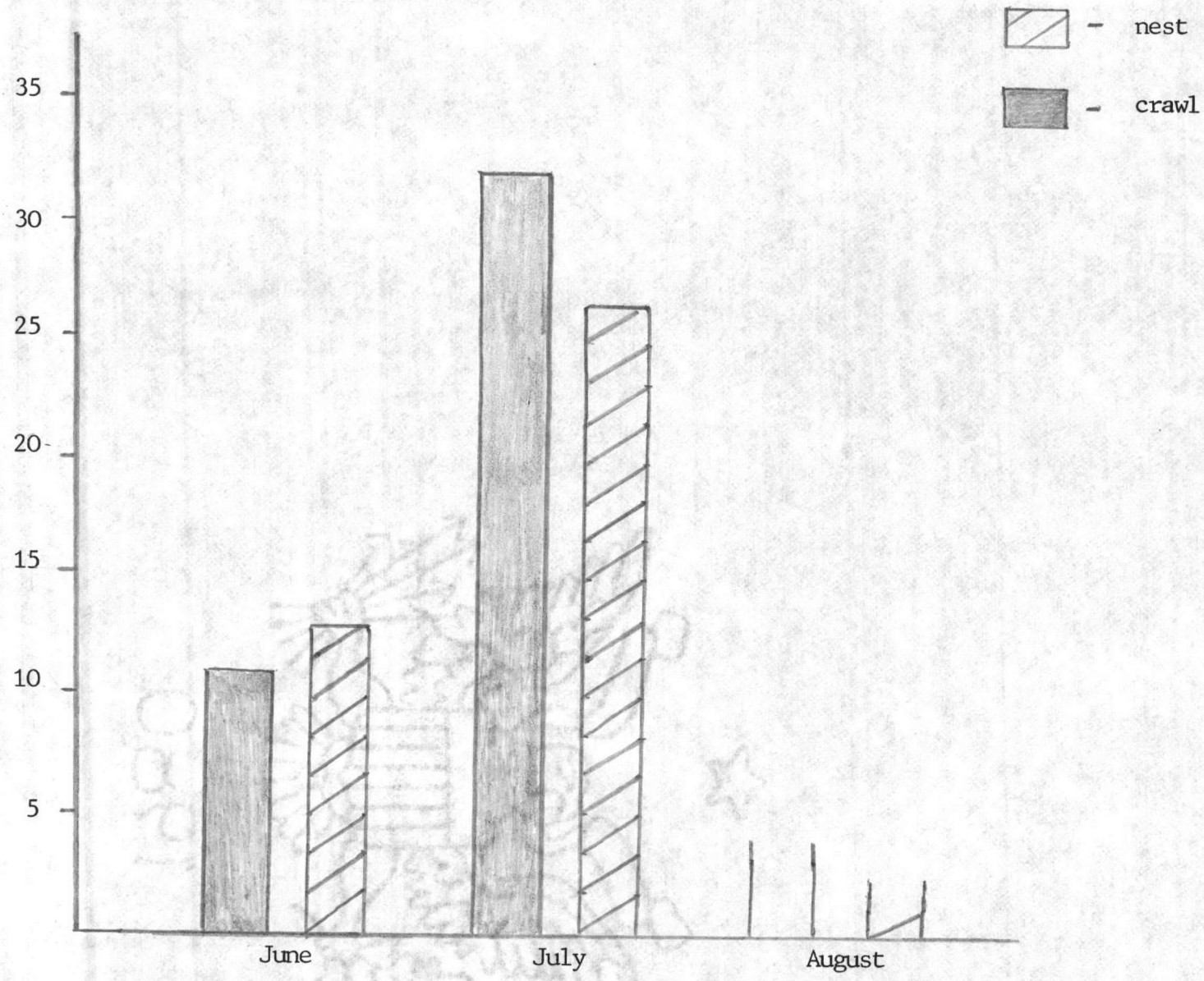


Fig. 2 Total crawls and nests by months

AERIAL SURVEY DATA

Date: May 26 1983 Time: S 06:00 F 08:00

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 5 miles Fog & Haze Cloud Cover Clear

Wind Speed Less than 5K Sea Conditions Light Chop

BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	0	0	0	0
Bear Beach	0	0	0	0	0	0

OCEAN AERIAL SURVEYS Altitude 400 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	0	0	0

Comments:

AERIAL SURVEY DATA

Date: May 31 1983 Time: S 06:00 F 08:30

Recorder Name: H. A. Townsend

Crew Names: None Pilot: Jerry R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 4 miles Fog Cloud Cover 2000 SCT

Wind Speed 240 @ 10-12 K Sea Conditions Chop

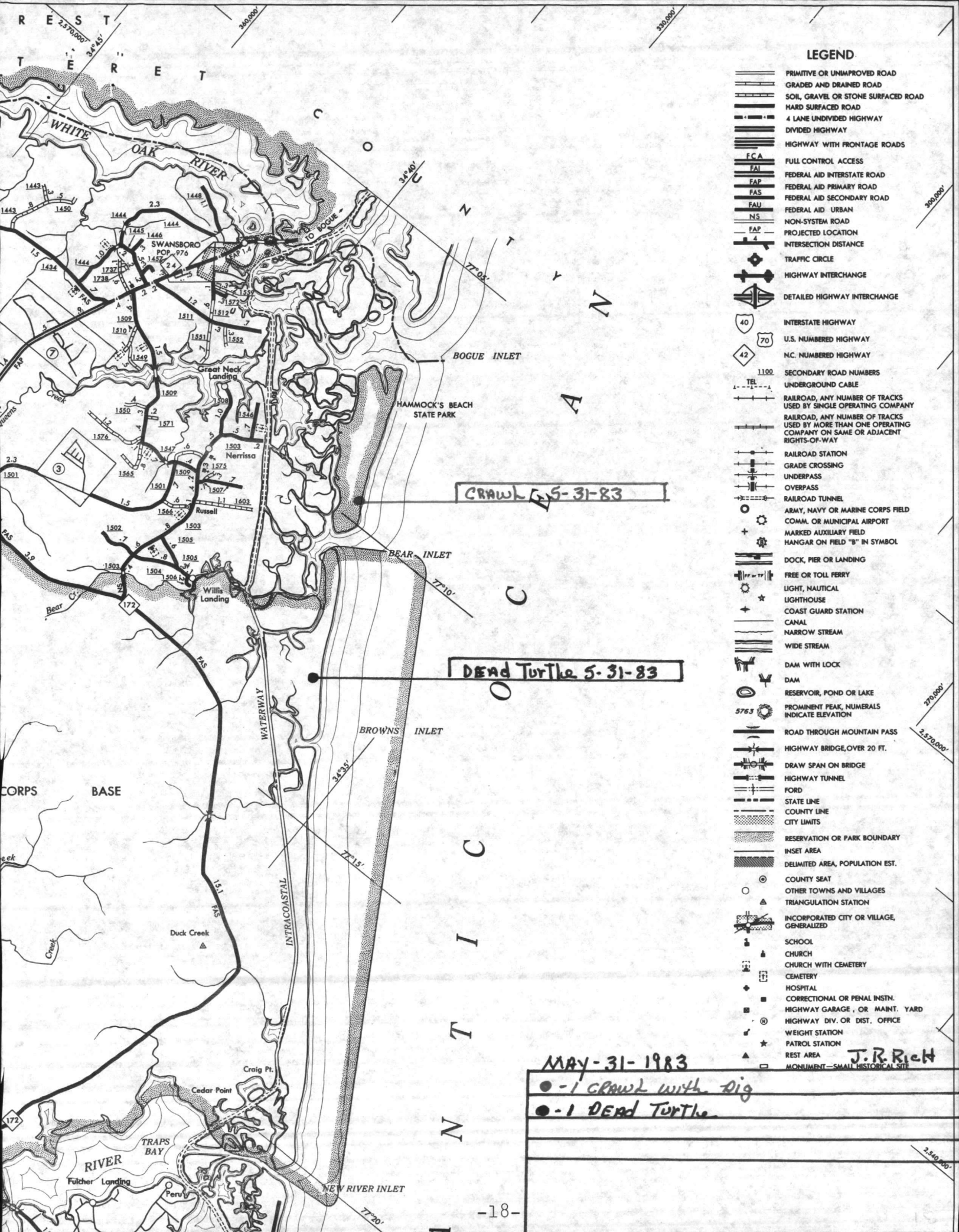
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	0	0	0	0
Bear Beach	0	0	1	0	0	0

OCEAN AERIAL SURVEYS Altitude 400 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet			One dead turtle on Browns Island

Comments:


LEGEND
PRIMITIVE OR UNIMPROVED ROAD
GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FCA FULL CONTROL ACCESS
FAI FEDERAL AID INTERSTATE ROAD
FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
4 INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
40 INTERSTATE HIGHWAY
70 U.S. NUMBERED HIGHWAY
42 N.C. NUMBERED HIGHWAY
1100 SECONDARY ROAD NUMBERS
TEL UNDERGROUND CABLE
RAILROAD, ANY NUMBER OF TRACKS USED BY SINGLE OPERATING COMPANY
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UNDERPASS
OVERPASS
RAILROAD TUNNEL
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MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
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FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
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5763 PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
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CEMETERY
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WEIGHT STATION
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REST AREA
MONUMENT—SMALL HISTORICAL SITE
WHITE OAK RIVER
SWANSBORO POP. 976
TO BOGUE
Great Neck Landing
Nerrissa
Russell
Willis Landing
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
BEAR INLET
BROWNS INLET
NEW RIVER INLET
WATERWAY
INTRACOASTAL
CORPS BASE
CRAWL 5-31-83
DEAD TURTLE 5-31-83
MAY-31-1983
J.R. Rich
●-1 CRAWL with Dig
●-1 DEAD TURTLE

AERIAL SURVEY DATA

Date: June 3 1983 Time: S 06:00 F 08:00

Recorder Name: J. R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 3 to 5 miles fog. Cloud Cover 4000 Sct

Wind Speed Less than 5 K Sea Conditions calm

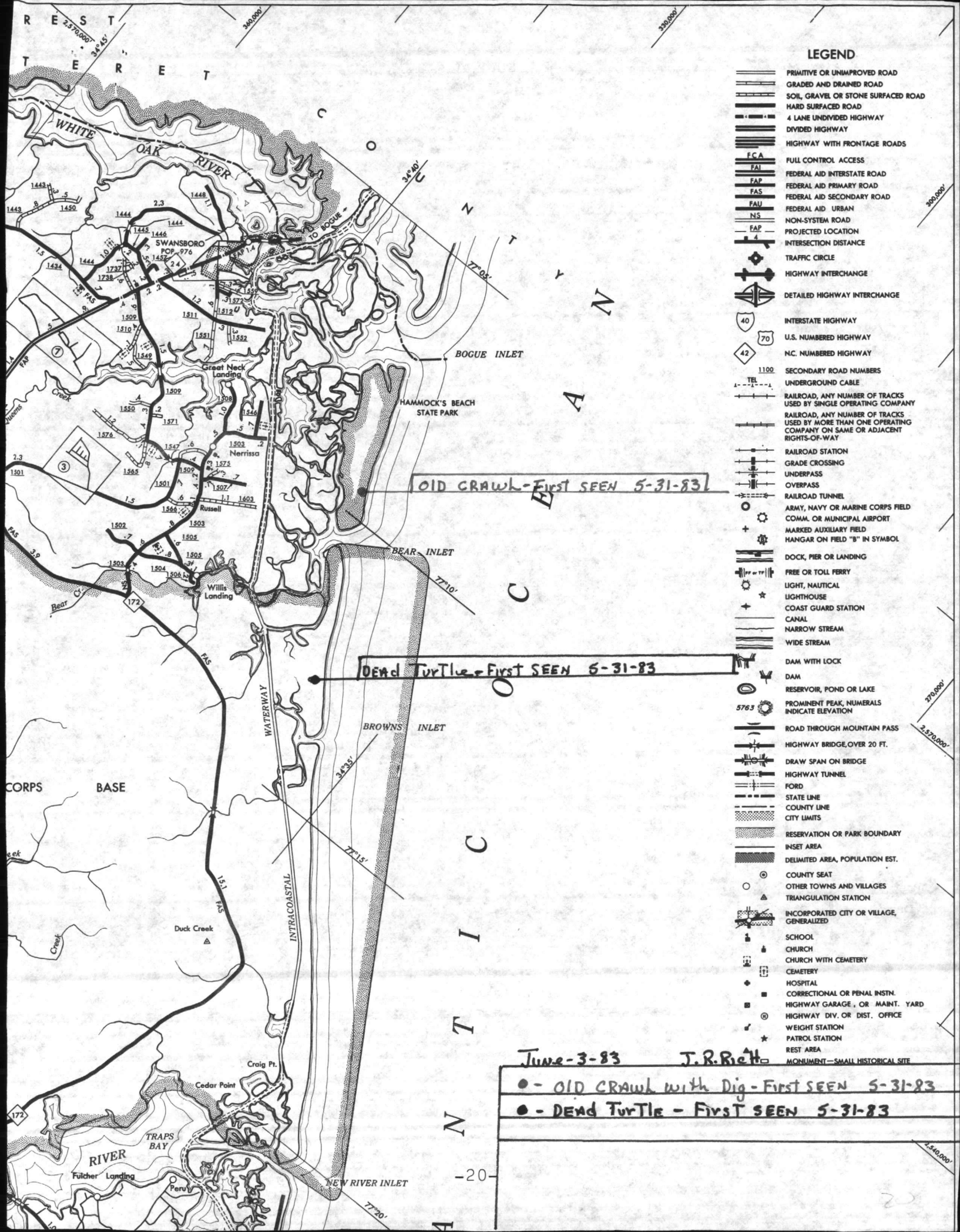
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	0	0	0	0
Bear Beach	0	0	0	1	0	0

OCEAN AERIAL SURVEYS Altitude 400 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	0	0	1 Dead Turtle Browns Island first seen 5 31 83.

Comments: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REST AREA
MONUMENT—SMALL HISTORICAL SITE
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BOGUE INLET
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OLD CRAWL - First SEEN 5-31-83
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CORPS BASE
Duck Creek
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Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
June-3-83 J.R.Rich
● - OLD CRAWL with Dig - First SEEN 5-31-83
● - DEAd TurTle - First SEEN 5-31-83

AERIAL SURVEY DATA

Date: June 7 1983 Time: S 06:04 F 08:15

Recorder Name: Jerry R. Rich

Crew Names: None Pilot:

Co-Pilot: None Crew Chief:

Others: None

Weather: General 3-4 miles fog & rain Cloud Cover 2000 BKN 5000 OVC

Wind Speed WSW 12-15 K Sea Conditions White caps

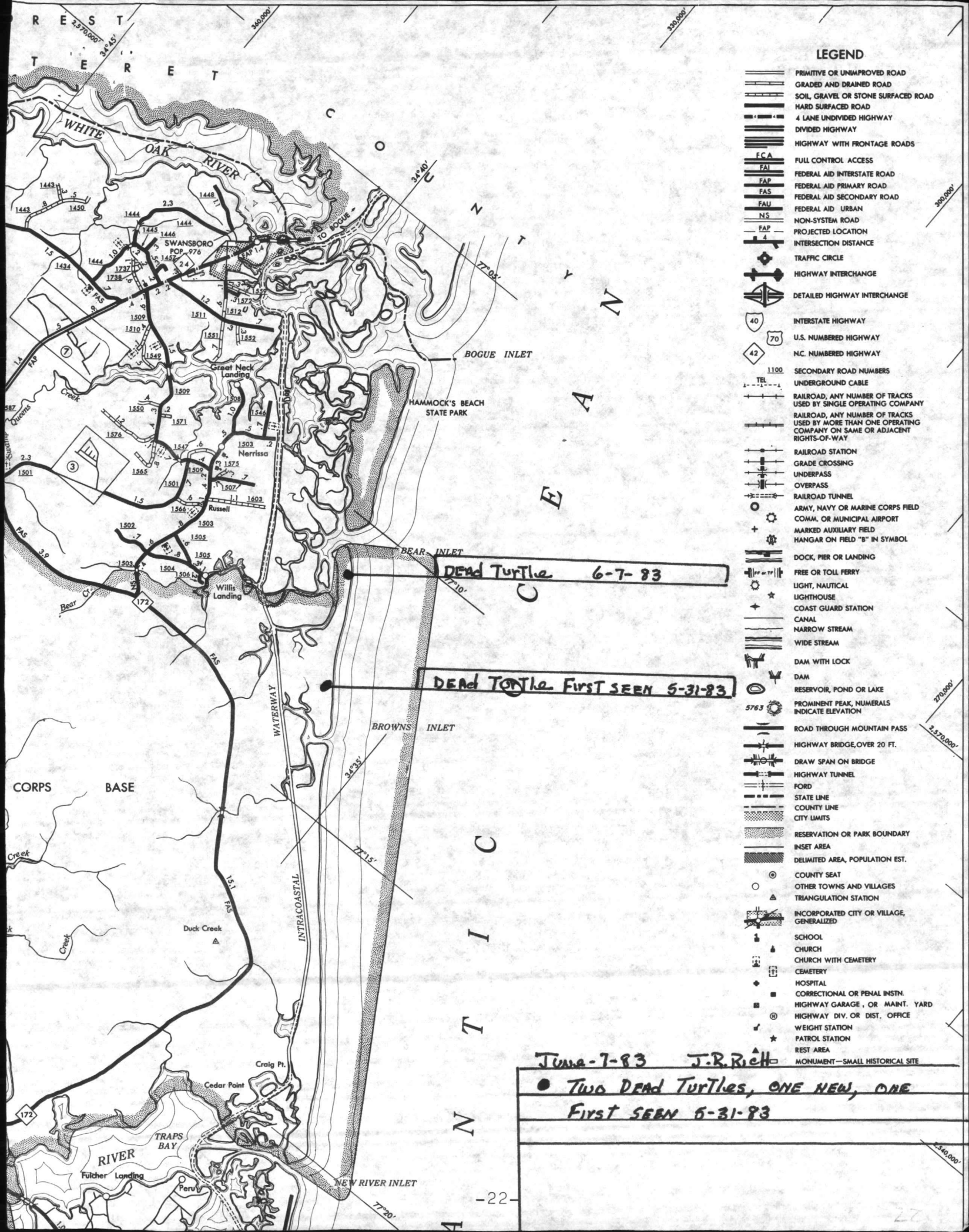
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	0	0	0	0
Bear Beach	0	0	0	0	0	0

OCEAN AERIAL SURVEYS Altitude 400 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	0	0	One old dead turtle first seen 5-31-83 on Browns Island One New dead turtle on Browns Island.

Comments: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WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
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WHITE OAK RIVER
SWANSBORO POP. 976
TO BOGUE
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
Great Neck Landing
Nerrissa
Russell
Willis Landing
BEAR INLET
DEAD TURTLE 6-7-83
DEAD TURTLE FIRST SEEN 5-31-83
BROWNS INLET
WATERWAY
INTRACOASTAL
CORPS BASE
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
ATLANTIC OCEAN
JUNE-7-83 J.R. RICH
• TWO DEAD TURTLES, ONE NEW, ONE FIRST SEEN 5-31-83

AERIAL SURVEY DATA

Date: June 10 1983 Time: S 06:06 F 08:10

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 2 miles rain & fog Cloud Cover 500 OVC

Wind Speed N.E. 15-20 K Sea Conditions White caps

BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	0	0	0	0
Bear Beach	0	0	0	0	0	0

OCEAN AERIAL SURVEYS Altitude 200 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	0	0	2 Dead Turtle on Browns Island Same two turtle seen on June 7 83

Comments:

AERIAL SURVEY DATA

Date: June 13 1983 Time: S 06:04 F 08:24

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General Clear 10 miles vis. Cloud Cover Clear

Wind Speed NE 5 K Sea Conditions Light chop

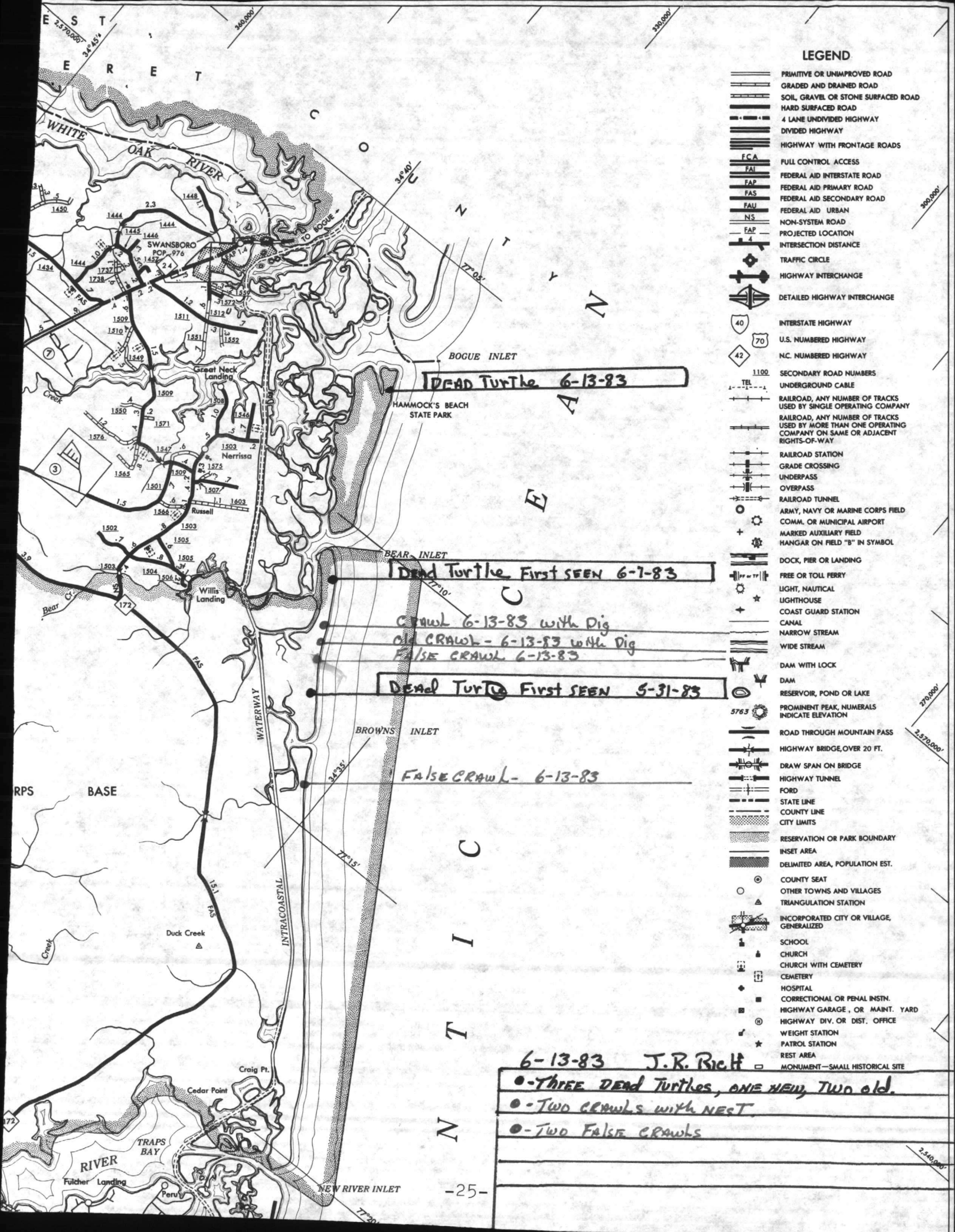
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	1	0	0	0	0	0
Browns Island	1	0	1	1	0	0
Bear Beach	0	0	0	0	0	0

OCEAN AERIAL SURVEYS Altitude 300 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	0	0	1 dead turtle Bear Beach 2 dead turtle Browns Island, same two as reported June 10 1983

Comments:


LEGEND
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GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FCA FULL CONTROL ACCESS
FAI FEDERAL AID INTERSTATE ROAD
FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
4 INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
40 INTERSTATE HIGHWAY
70 U.S. NUMBERED HIGHWAY
42 N.C. NUMBERED HIGHWAY
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UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
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DAM WITH LOCK
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5763 PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
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WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
WHITE OAK RIVER
SWANSBORO POP. 976
TO BOGUE
Great Neck Landing
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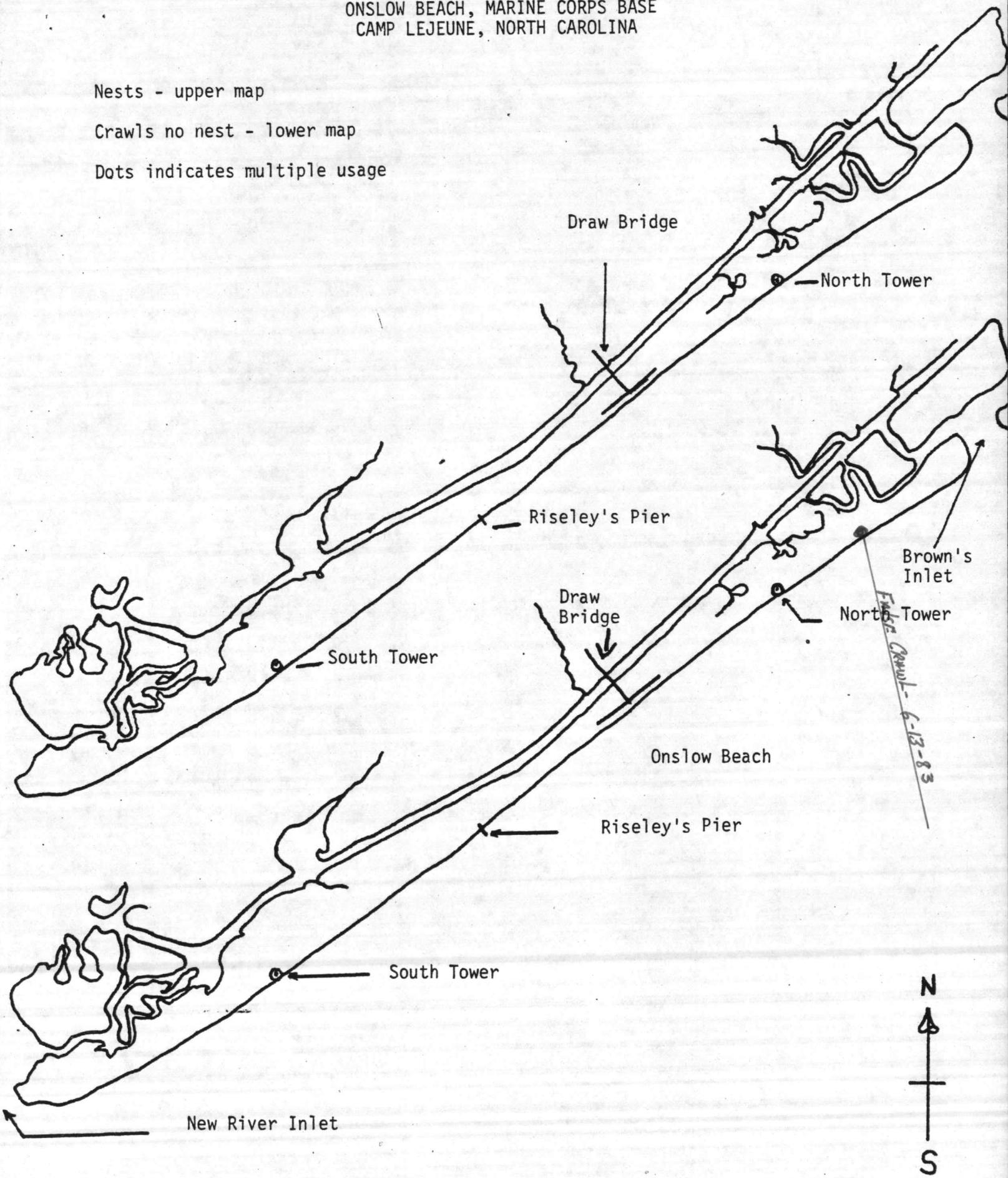
HAMMOCK'S BEACH STATE PARK
BEAR INLET
BROWNS INLET
NEW RIVER INLET
INTRACOASTAL WATERWAY
RPS BASE
Dead Turtle 6-13-83
Dead Turtle First SEEN 6-7-83
CRAWL 6-13-83 with Dig
Old CRAWL - 6-13-83 with Dig
FALSE CRAWL 6-13-83
Dead Turtle First SEEN 5-31-83
FALSE CRAWL - 6-13-83
6-13-83 J.R. Rich
●-Three Dead Turtles, one new, two old.
●-Two crawls with nest.
●-Two False crawls

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

AERIAL SURVEY DATA

Date: June 17 83 Time: S 06:00 F 09:45

Recorder Name: H. A. Townsend

Crew Names: None Pilot: H. A. Townsend

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 4 miles fog Cloud Cover clear

Wind Speed calm Sea Conditions Calm

BEACH AERIAL SURVEYS Altitude 100 Ft

Air Speed 60 K

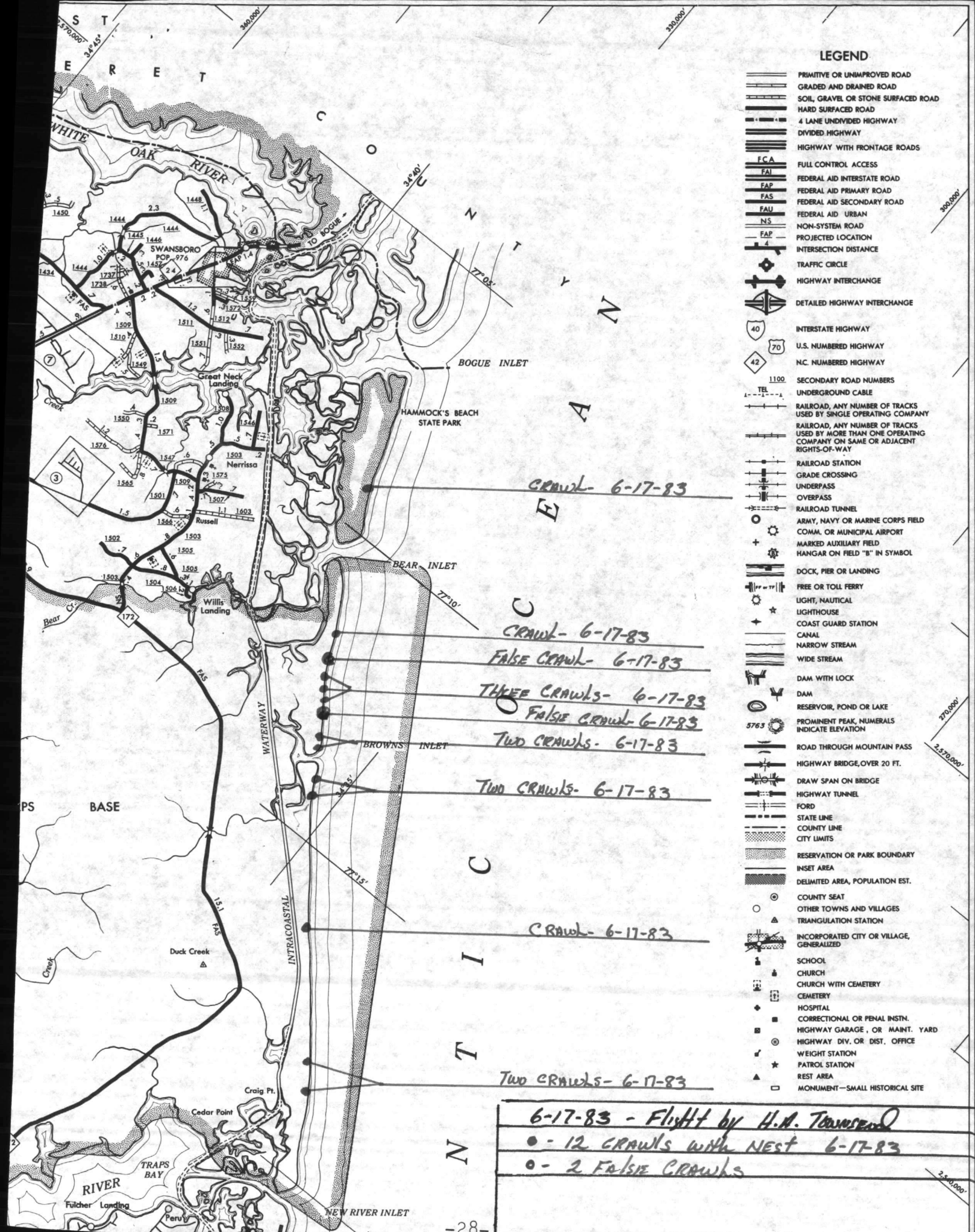
Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	5	0	0	0
Browns Island	2	0	6	0	0	0
Bear Beach	0	0	1	0	0	0

OCEAN AERIAL SURVEYS Altitude 400 Ft

Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	0	0	0

Comments: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HIGHWAY WITH FRONTAGE ROADS
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FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
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FAP PROJECTED LOCATION
4 INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
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UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
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MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
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HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
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COUNTY SEAT
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MONUMENT—SMALL HISTORICAL SITE
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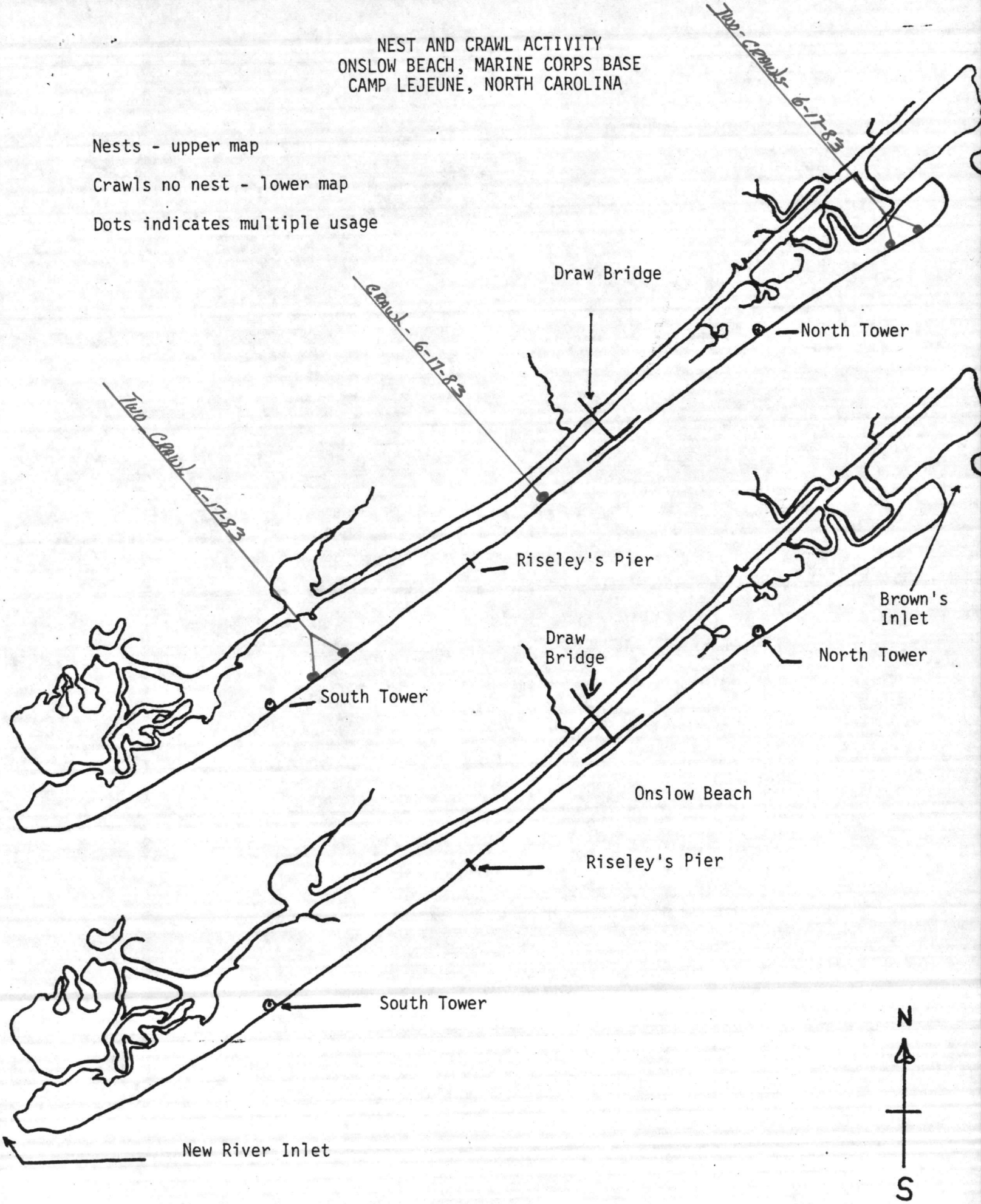
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
BASE
CRAWL- 6-17-83
CRAWL- 6-17-83
FALSE CRAWL- 6-17-83
THREE CRAWLS- 6-17-83
FALSE CRAWL- 6-17-83
TWO CRAWLS- 6-17-83
TWO CRAWLS- 6-17-83
CRAWL- 6-17-83
TWO CRAWLS- 6-17-83
6-17-83 - Flight by H.A. Townsend
● - 12 CRAWLS with NEST 6-17-83
○ - 2 FALSE CRAWLS

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

AERIAL SURVEY DATA

Date: June 22 83 Time: S 06:05 F 08:19

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 3 miles vis. Cloud Cover 1000 Sct 2000 BKN

Wind Speed NW 8-12 K Sea Conditions Mod chop

BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	1	5	0	0
Browns Island	2	0	2	7	7	0
Bear Beach	1	0	2	1	0	0

OCEAN AERIAL SURVEYS Altitude 300 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

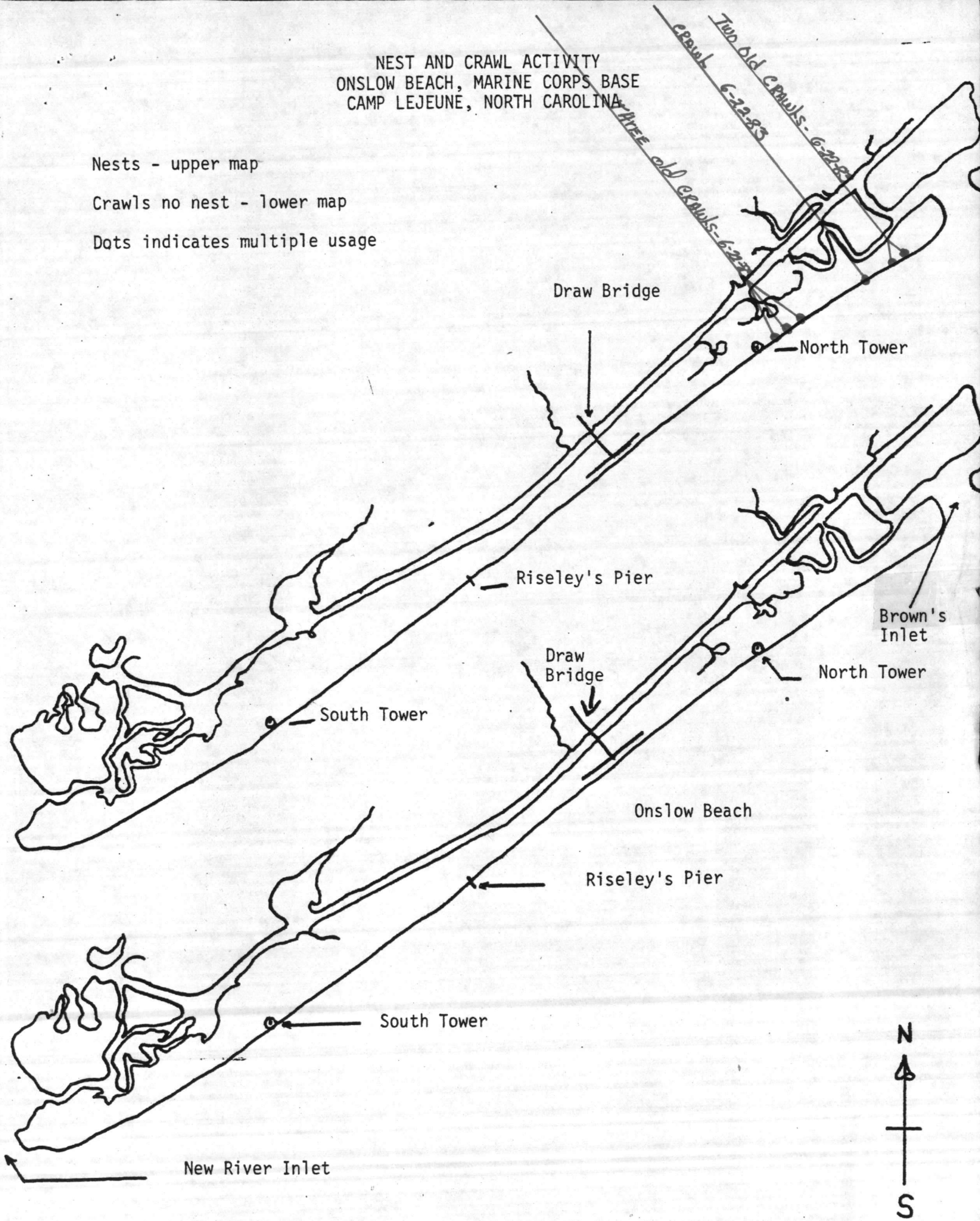
Comments: Saw one large grey fox digging out eggs on Browns Island

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

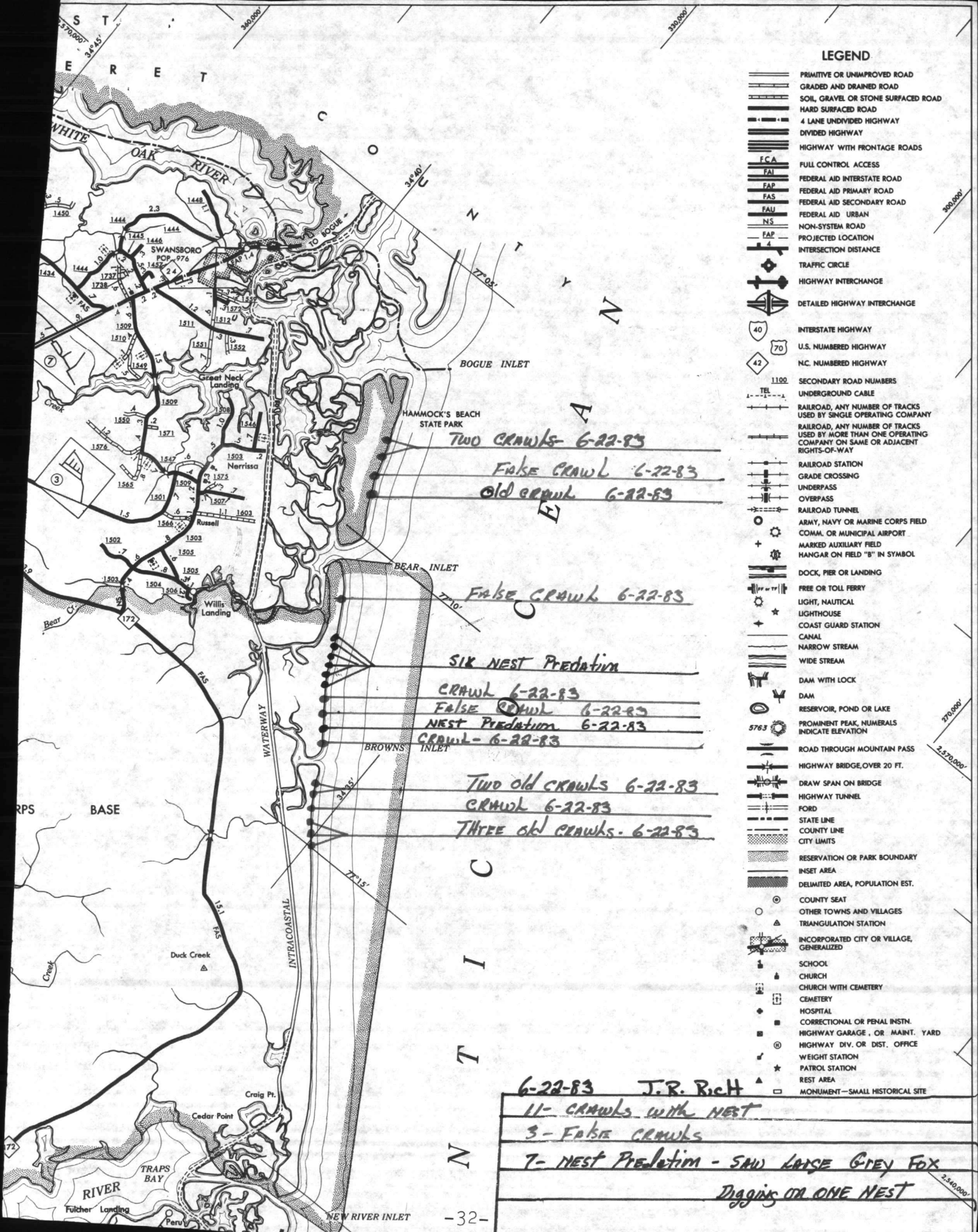
Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1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NEW RIVER INLET
TWO CRAWLS 6-22-83
FALSE CRAWL 6-22-83
Old CRAWL 6-22-83
FALSE CRAWL 6-22-83
SIX NEST Predation
CRAWL 6-22-83
FALSE CRAWL 6-22-83
NEST Predation 6-22-83
CRAWL - 6-22-83
TWO old CRAWLS 6-22-83
CRAWL 6-22-83
THREE old CRAWLS - 6-22-83
6-22-83 J.R. Rich
11- CRAWLS with NEST
3 - FALSE CRAWLS
7- NEST Predation - SAW LARGE GREY FOX
Digging on ONE NEST

AERIAL SURVEY DATA

Date: June 24 83 Time: S 06:08 F 08:10

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General X ½ to ¼ vis fog Cloud Cover X 200 ft ovc

Wind Speed NE less than 5 K Sea Conditions Calm

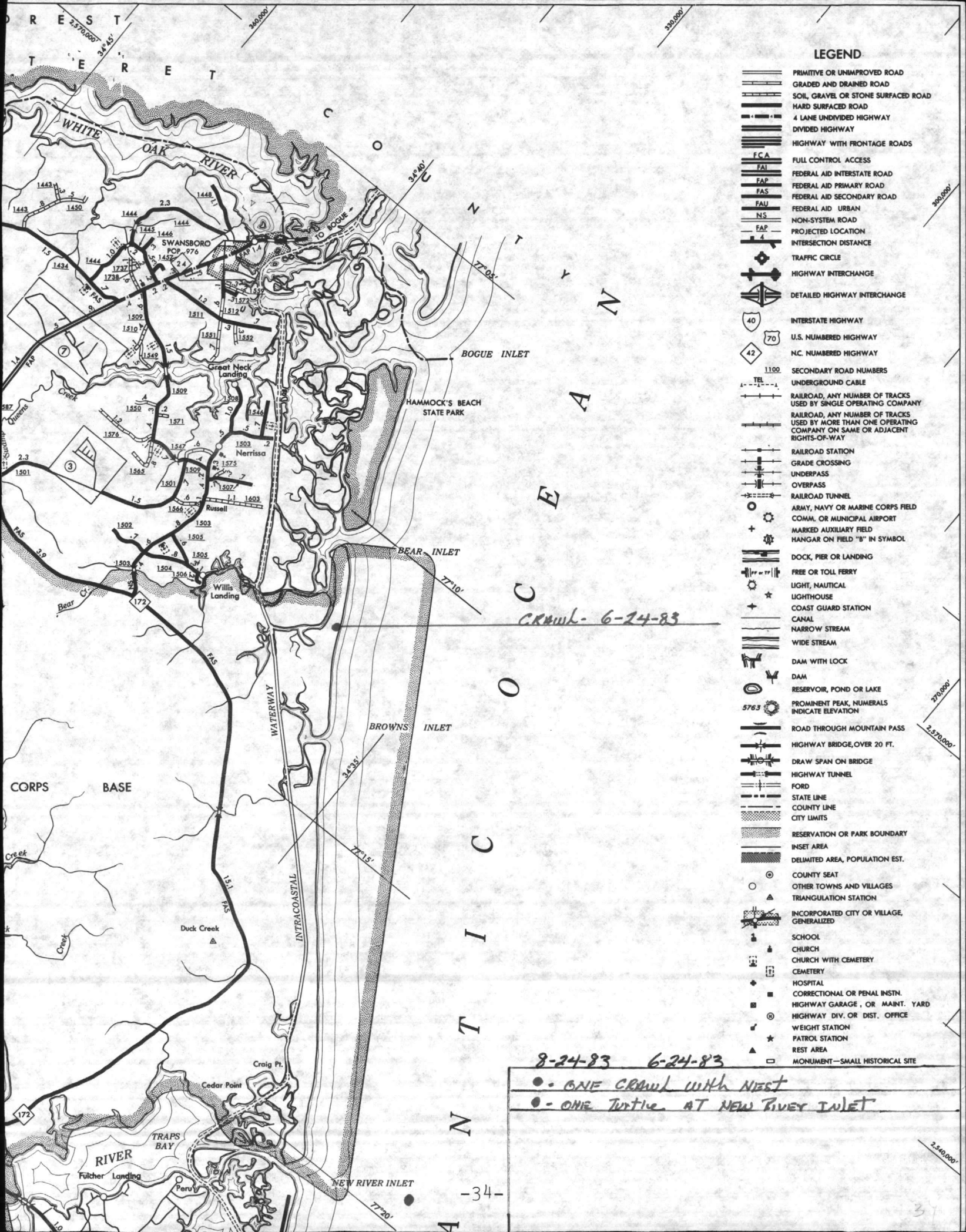
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	1	0	0	0
Bear Beach	0	0	0	0	0	0

OCEAN AERIAL SURVEYS Altitude 200 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	0	1	0

Comments: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TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
ATLANTIC OCEAN
8-24-83 6-24-83
• - ONE CRAWL WITH NEST
• - ONE TURTLE AT NEW RIVER INLET

AERIAL SURVEY DATA

Date: June 29 83 Time: S 05:38 F 07:38

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: Jerry R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 5 miles haze Cloud Cover 5000 Bkn

Wind Speed SW 12-15 K Sea Conditions White Caps

BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	1	0	0	0
Browns Island	0	0	1	0	1	0
Bear Beach	1	0	1	0	0	0

OCEAN AERIAL SURVEYS Altitude 400 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

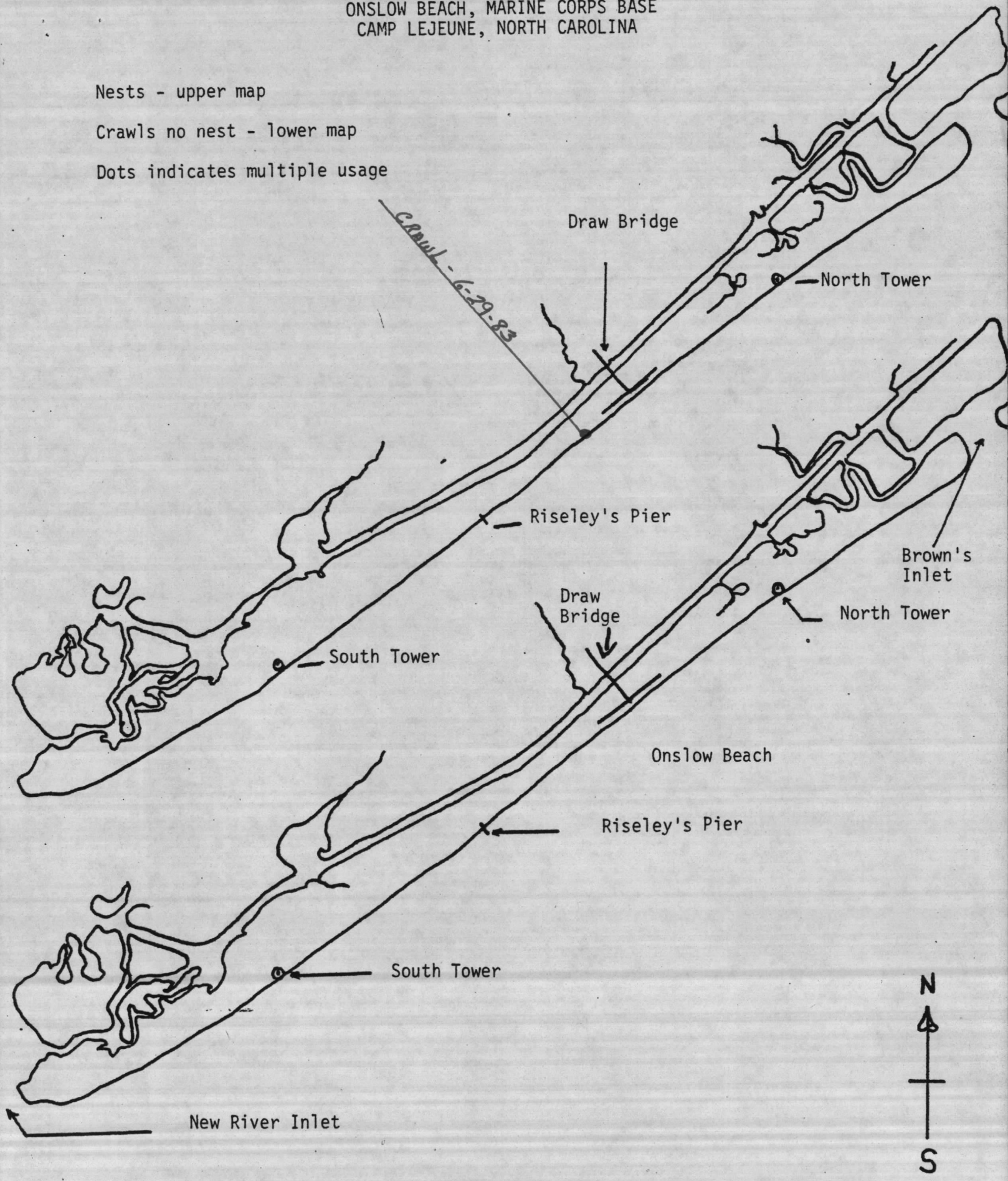
Comments:

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

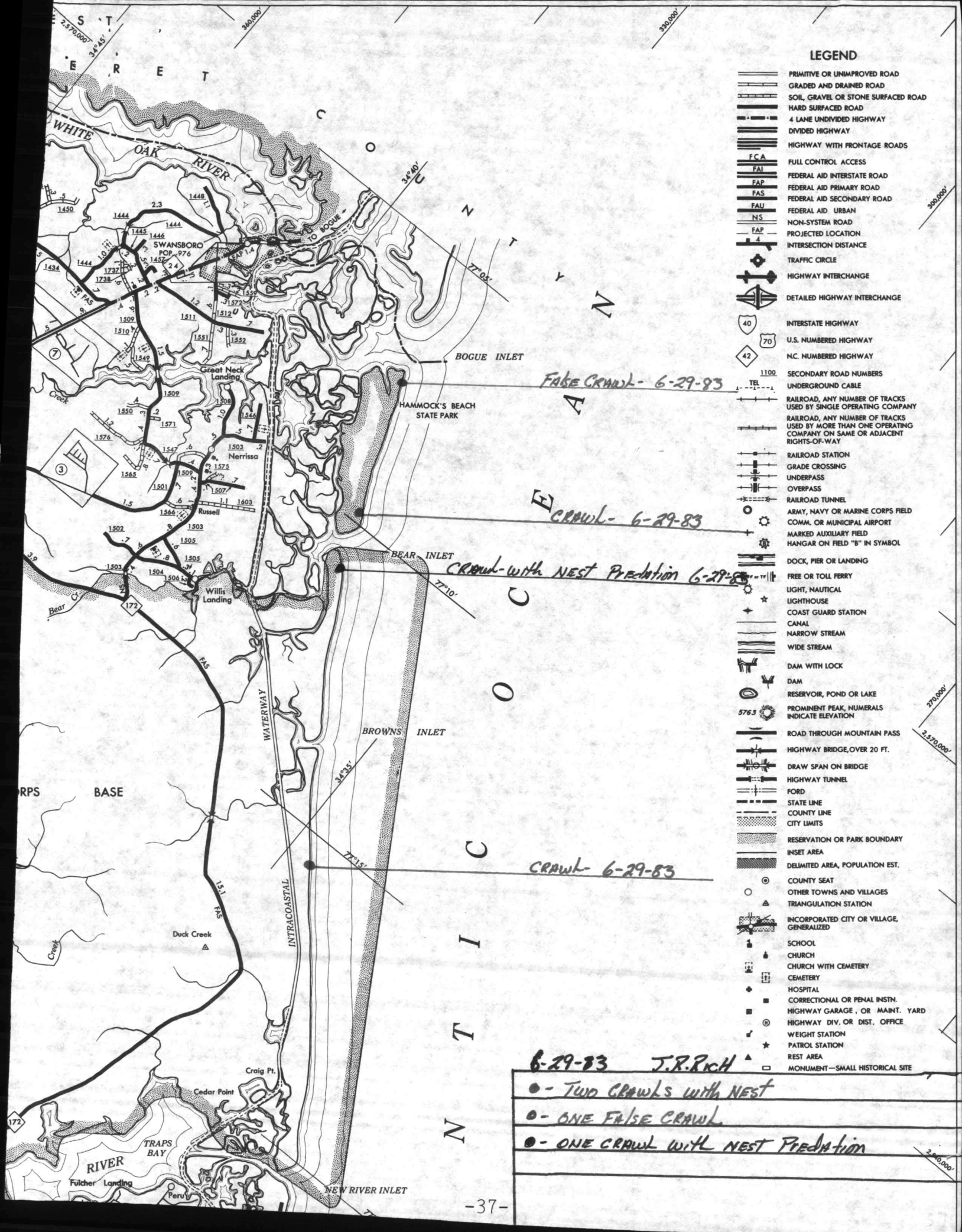
Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1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MONUMENT—SMALL HISTORICAL SITE
WHITE OAK RIVER
SWANSBORO POP. 976
TO BOGUE
Great Neck Landing
Nerrissa
Russell
Willis Landing
Bear Cr.
Creek
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
BEAR INLET
BROWNS INLET
WATERWAY
INTRACOASTAL
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
BASE
FALSE CRAWL - 6-29-83
CRAWL - 6-29-83
CRAWL - with NEST Predation 6-29-83
CRAWL - 6-29-83
6-29-83 J.R.Rich
●- TWO CRAWLS with NEST
●- ONE FALSE CRAWL
●- ONE CRAWL with NEST Predation

AERIAL SURVEY DATA

Date: July 5 83 Time: S 06:03 F 08:10

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 6 miles fog & Haze Cloud Cover 2000 SCT

Wind Speed W-7K Sea Conditions Light chop

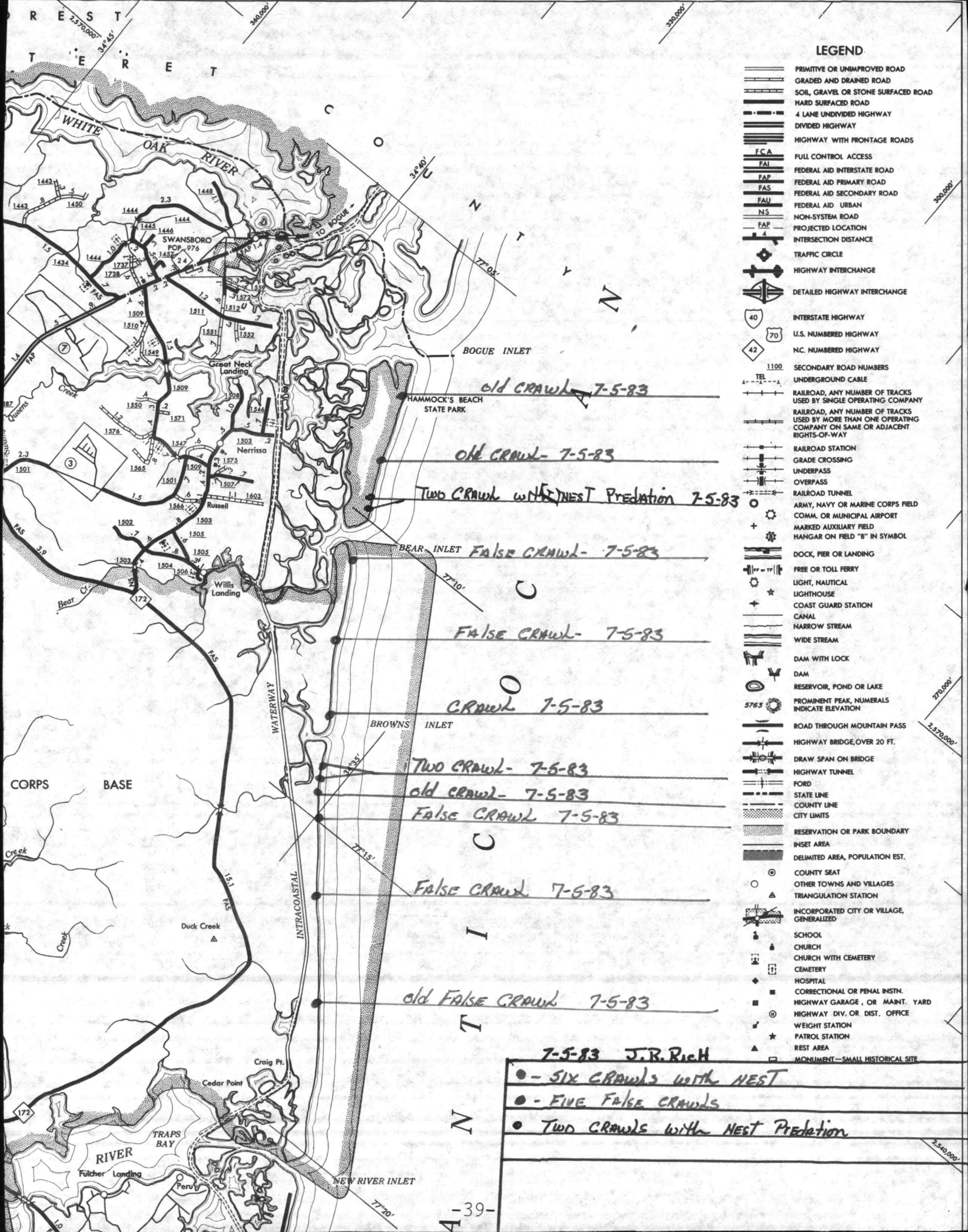
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	2	1	2	1	0	0
Browns Island	2	0	1	0	0	0
Bear Beach	0	0	2	2	2	0

OCEAN AERIAL SURVEYS Altitude 400 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments:

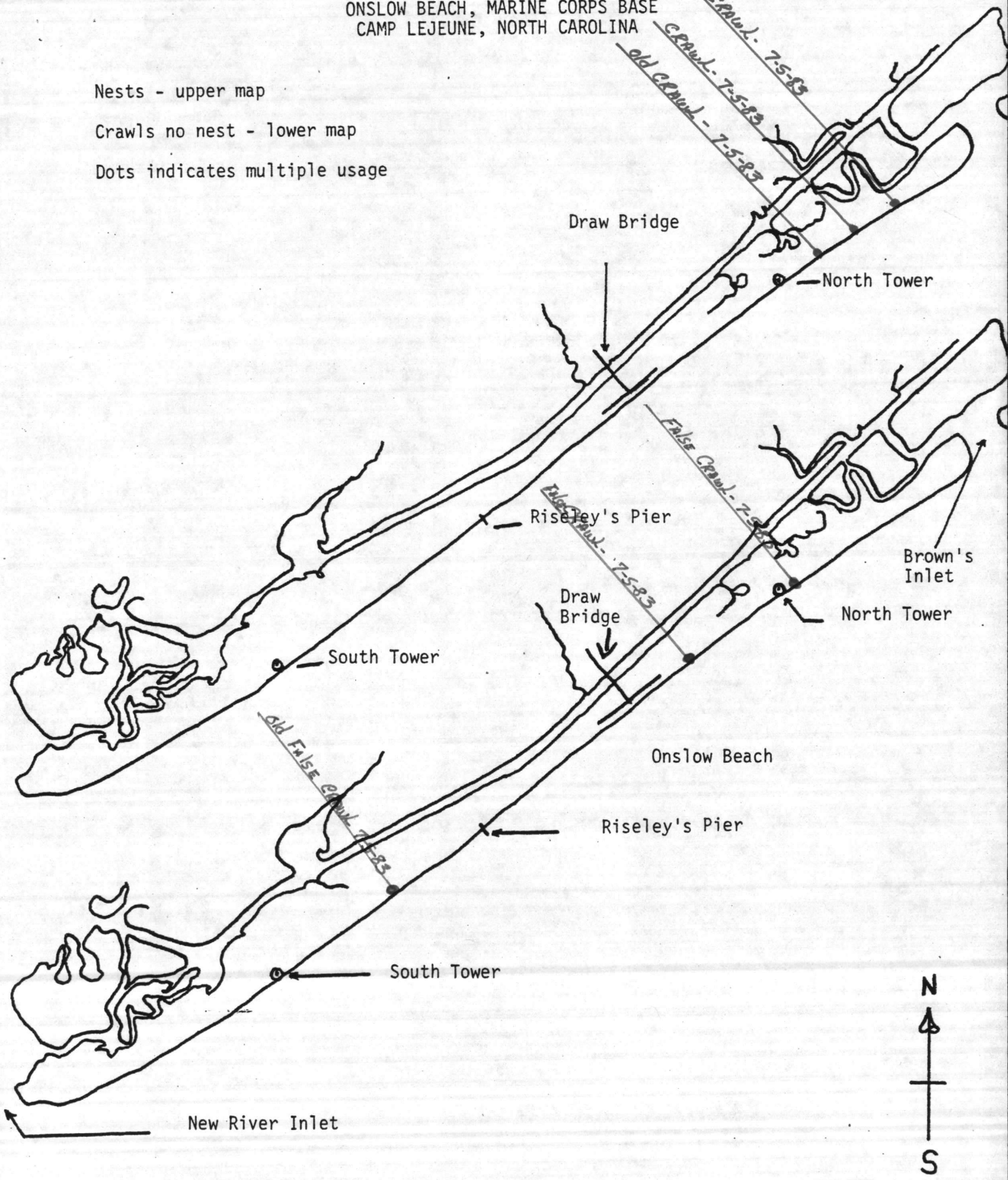

LEGEND
PRIMITIVE OR UNIMPROVED ROAD
GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FCA FULL CONTROL ACCESS
FAI FEDERAL AID INTERSTATE ROAD
FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
4 INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
40 INTERSTATE HIGHWAY
70 U.S. NUMBERED HIGHWAY
42 N.C. NUMBERED HIGHWAY
1100 SECONDARY ROAD NUMBERS
TEL UNDERGROUND CABLE
RAILROAD, ANY NUMBER OF TRACKS USED BY SINGLE OPERATING COMPANY
RAILROAD, ANY NUMBER OF TRACKS USED BY MORE THAN ONE OPERATING COMPANY ON SAME OR ADJACENT RIGHTS-OF-WAY
RAILROAD STATION
GRADE CROSSING
UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
5763 PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
WHITE OAK RIVER
SWANSBORO POP 976
TO HOGUE
Great Neck Landing
Nerrissa
Russell
Willis Landing
Queens Creek
Bear Cr.
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
BEAR INLET
BROWNS INLET
NEW RIVER INLET
WATERWAY
INTRACOASTAL
CORPS BASE
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
old CRAWL 7-5-83
OLD CRAWL- 7-5-83
TWO CRAWL WITH NEST Predation 7-5-83
FALSE CRAWL- 7-5-83
FALSE CRAWL- 7-5-83
CRAWL 7-5-83
TWO CRAWL- 7-5-83
old CRAWL- 7-5-83
FALSE CRAWL 7-5-83
FALSE CRAWL 7-5-83
old FALSE CRAWL 7-5-83
7-5-83 J.R. RICH
● - SIX CRAWLS WITH NEST
● - FIVE FALSE CRAWLS
● TWO CRAWLS WITH NEST Predation

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

AERIAL SURVEY DATA

Date: July 7 1983 Time: S 06:18 F 08:20

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 2000 SCT 5 miles haze Cloud Cover 2000 SCT

Wind Speed NE 16-22 K Sea Conditions White caps

BEACH AERIAL SURVEYS Altitude 100 FT

Air Speed 60 K

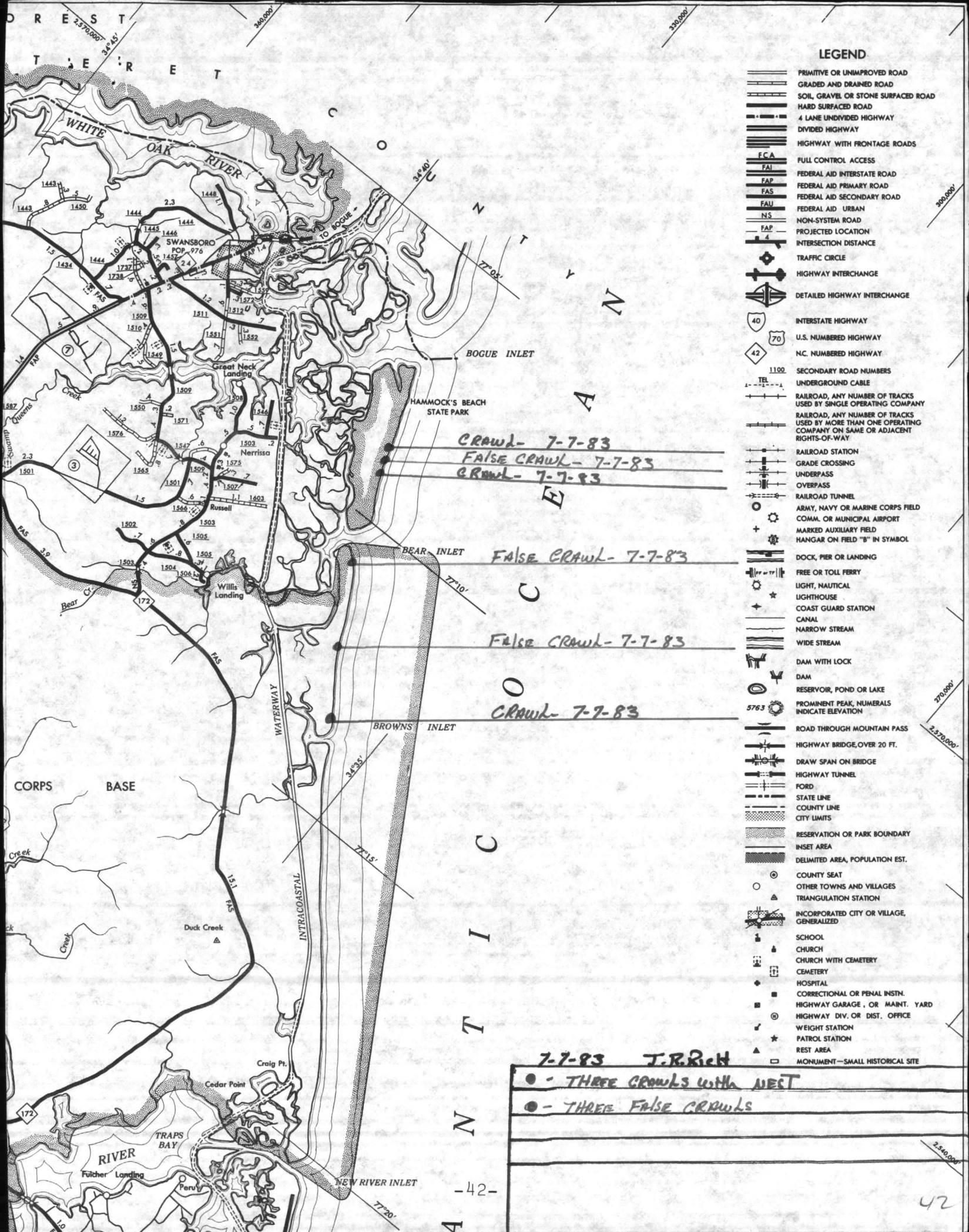
Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	2	0	1	0	0	0
Bear Beach	1	0	2	0	0	0

OCEAN AERIAL SURVEYS Altitude 400 FT

Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments: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GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FCA FULL CONTROL ACCESS
FAI FEDERAL AID INTERSTATE ROAD
FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
4 INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
40 INTERSTATE HIGHWAY
70 U.S. NUMBERED HIGHWAY
42 N.C. NUMBERED HIGHWAY
1100 SECONDARY ROAD NUMBERS
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GRADE CROSSING
UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
5763 PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
7-7-83 J.R.Rich
● - THREE CRAWLS with NEST
● - THREE FALSE CRAWLS
CRAWL- 7-7-83
FALSE CRAWL- 7-7-83
CRAWL- 7-7-83
FALSE CRAWL- 7-7-83
FALSE CRAWL- 7-7-83
CRAWL- 7-7-83
BOGUE INLET
BEAR INLET
BROWNS INLET
NEW RIVER INLET
HAMMOCK'S BEACH STATE PARK
SWANSBORO POP. 976
Great Neck Landing
Nerrissa
Russell
Willis Landing
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
WHITE OAK RIVER
INTRACOASTAL WATERWAY
CORPS BASE
TO BOGUE
Queens Creek
Bear Cr.
Creek
340,000'
330,000'
300,000'
270,000'
2,570,000'
2,540,000'
34°45'
34°40'
34°35'
77°05'
77°10'
77°15'
77°20'

42

AERIAL SURVEY DATA

Date: July 10 83 Time: S 06:08 F 08:20

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 5 miles haze & fog Cloud Cover 10000 SCT

Wind Speed W 5-7 K Sea Conditions Light Chop

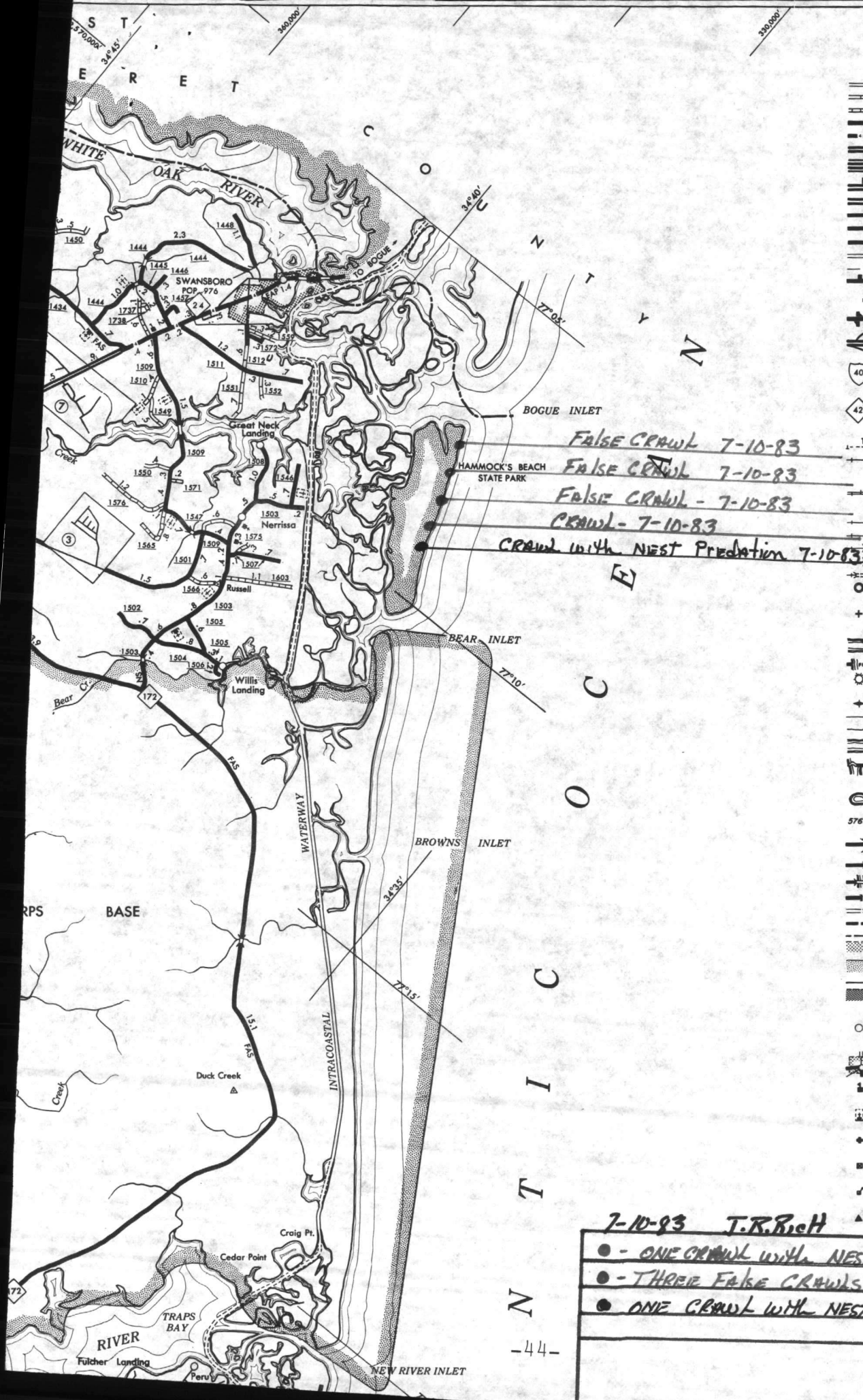
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	0	0	0	0
Bear Beach	3	0	2	0	1	0

OCEAN AERIAL SURVEYS Altitude 400 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments:


LEGEND
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HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
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FAI FEDERAL AID INTERSTATE ROAD
FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
4 INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
40 INTERSTATE HIGHWAY
70 U.S. NUMBERED HIGHWAY
42 N.C. NUMBERED HIGHWAY
1100 SECONDARY ROAD NUMBERS
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GRADE CROSSING
UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
5763 PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
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CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
WHITE OAK RIVER
SWANSBORO POP. 976
TO BOGUE
Great Neck Landing
Nerrissa
Russell
Willis Landing
Bear Cr.
Creek
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
BEAR INLET
BROWNS INLET
WATERWAY
INTRACOASTAL
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
BASE
FALSE CRAWL 7-10-83
FALSE CRAWL 7-10-83
FALSE CRAWL - 7-10-83
CRAWL - 7-10-83
CRAWL with NEST Predation 7-10-83
7-10-83 J.R.Rich
● - ONE CRAWL with NEST - 7-10-83
● - THREE FALSE CRAWLS 7-10-83
● ONE CRAWL with NEST Predation 7-10-83

AERIAL SURVEY DATA

Date: July 15 1983 Time: S 06:05 F 13:00

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 1 miles vis. fog. Cloud Cover 200 OVC

Wind Speed Calm Sea Conditions Calm

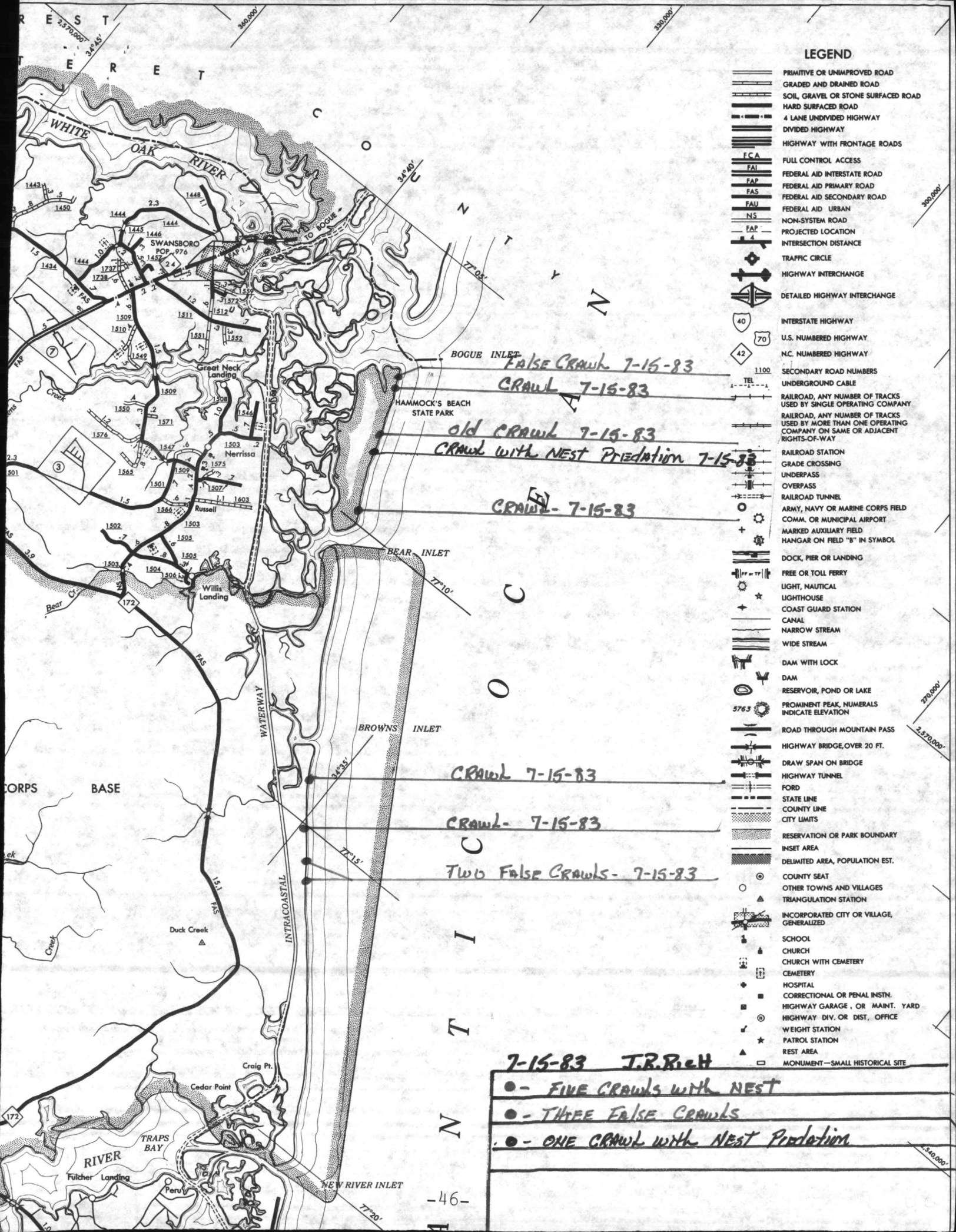
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	2	0	2	0	0	0
Browns Island	0	0	0	0	0	0
Bear Beach	1	0	3	1	1	0

OCEAN AERIAL SURVEYS Altitude 200 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments:


LEGEND
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HIGHWAY WITH FRONTAGE ROADS
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FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
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42 N.C. NUMBERED HIGHWAY
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HIGHWAY TUNNEL
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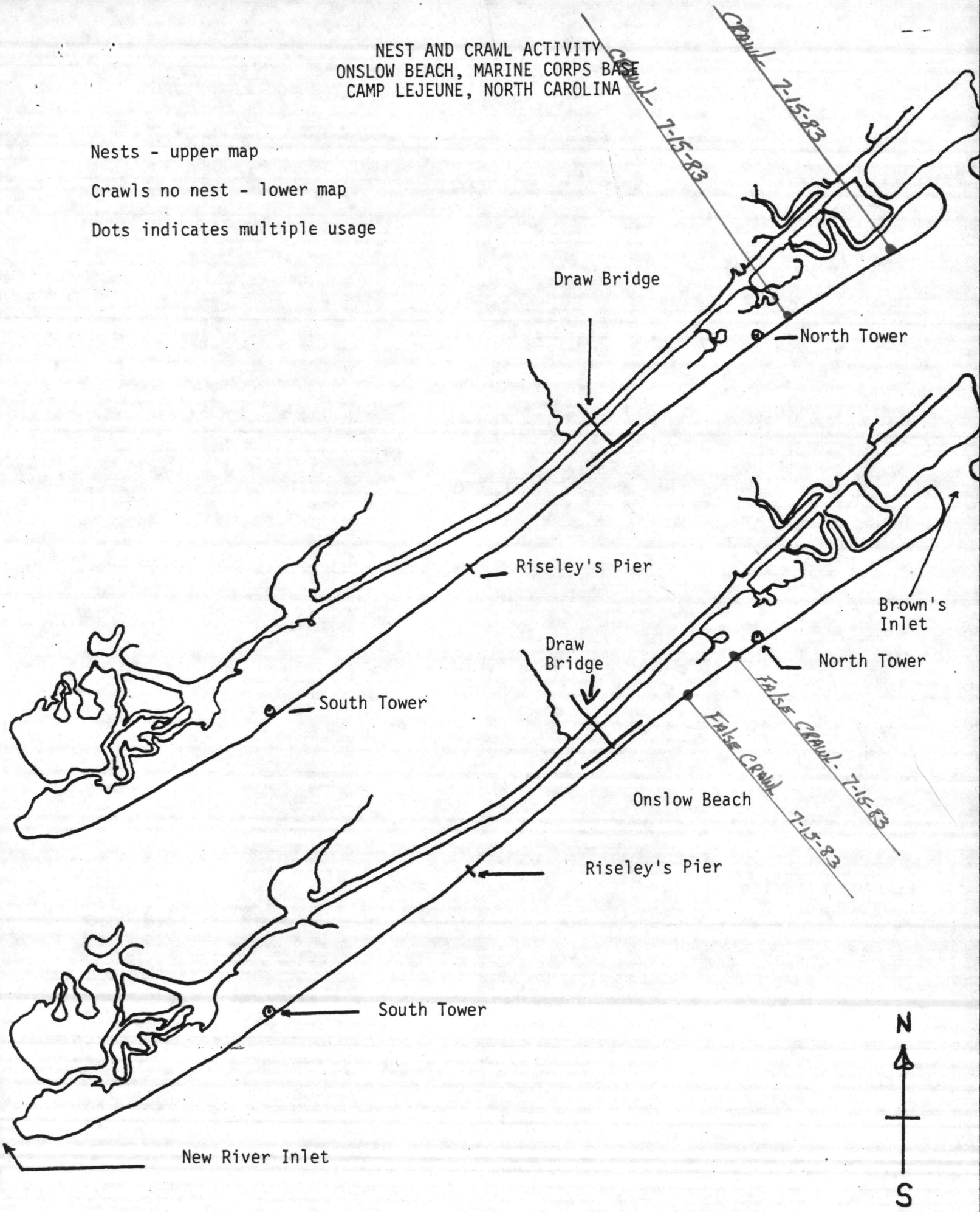
FALSE CRAWL 7-15-83
CRAWL 7-15-83
old CRAWL 7-15-83
CRAWL with NEST Predation 7-15-83
CRAWL - 7-15-83
CRAWL 7-15-83
CRAWL - 7-15-83
TWO FALSE CRAWLS - 7-15-83
7-15-83 J.R.Rich
● - FIVE CRAWLS with NEST
● - THREE FALSE CRAWLS
● - ONE CRAWL with NEST Predation

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

AERIAL SURVEY DATA

Date: July 19 1983 Time: S 06:09 F 08:30

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General -X 1 mile fog & haze Cloud Cover -X fog & haze

Wind Speed SW less than 5 K Sea Conditions Calm

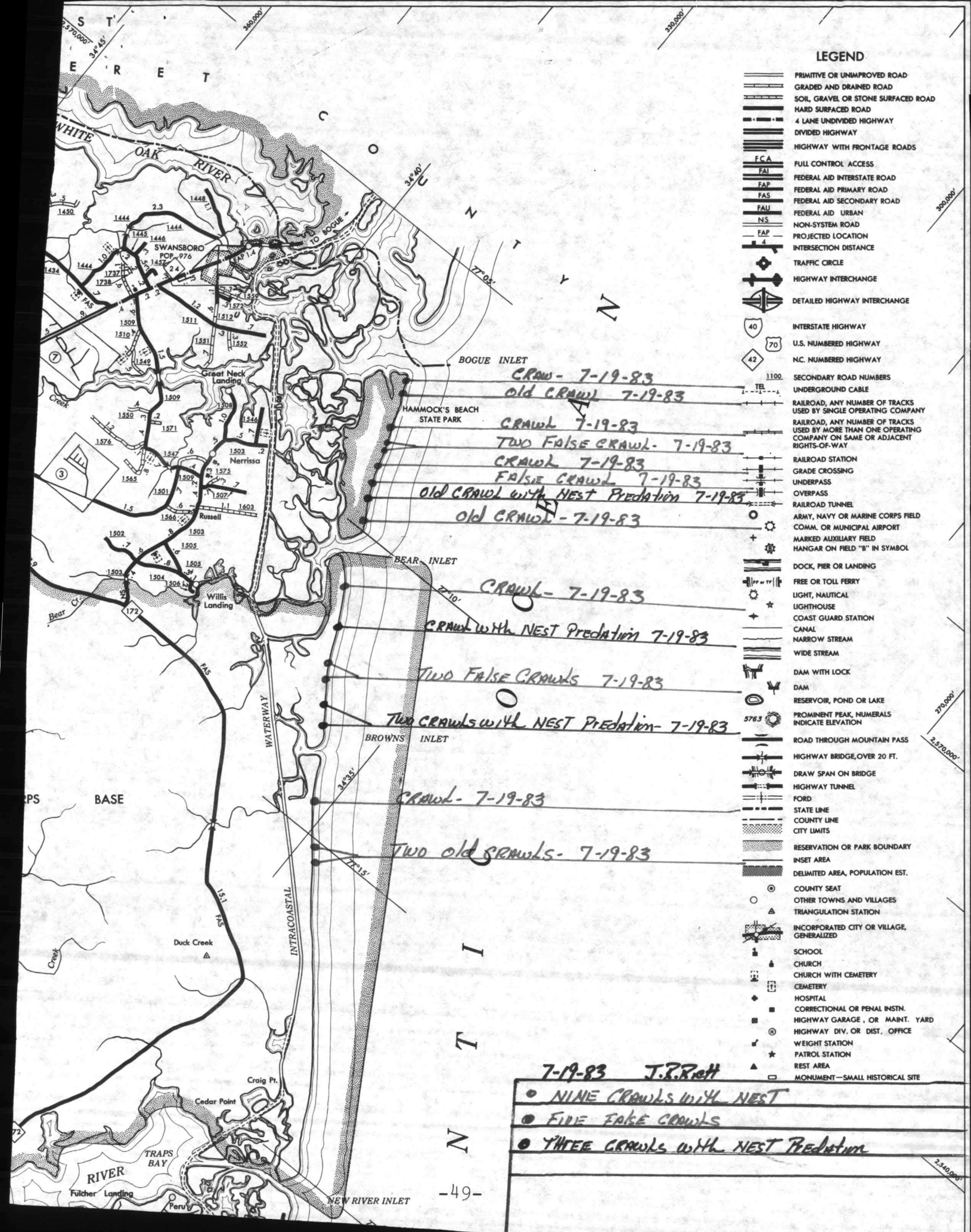
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	1	2	0	0
Browns Island	2	0	4	0	3	0
Bear Beach	3	0	3	3	0	1

OCEAN AERIAL SURVEYS Altitude 200 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments: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CEMETERY
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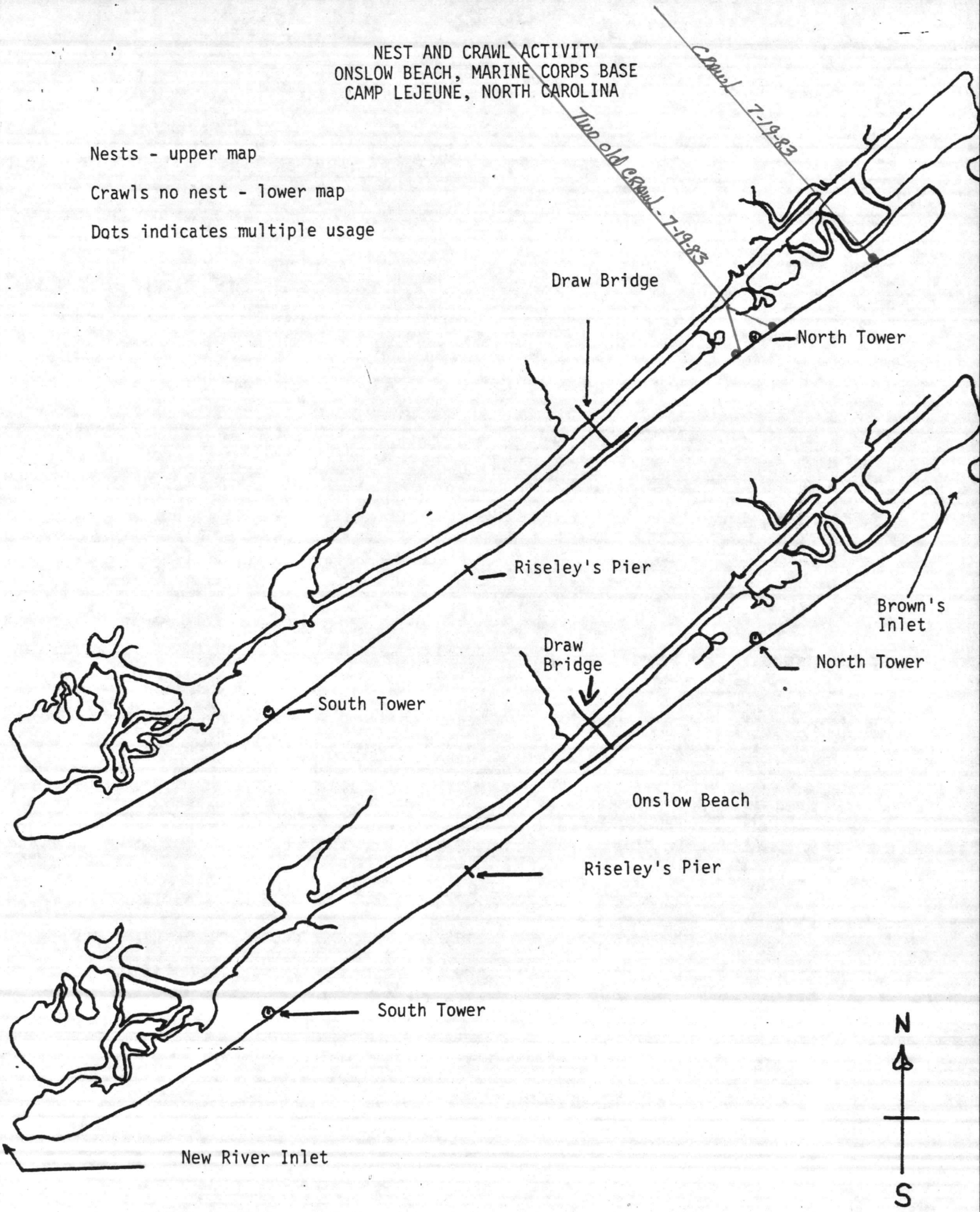
BEAR INLET
BROWNS INLET
NEW RIVER INLET
WATERWAY
INTRACOASTAL
BASE
CRAW - 7-19-83
old CRAWL 7-19-83
CRAWL 7-19-83
TWO FALSE CRAWL - 7-19-83
CRAWL 7-19-83
FALSE CRAWL 7-19-83
old CRAWL with NEST Predation 7-19-83
old CRAWL - 7-19-83
CRAWL - 7-19-83
CRAWL with NEST Predation 7-19-83
TWO FALSE CRAWLS 7-19-83
TWO CRAWLS with NEST Predation - 7-19-83
CRAWL - 7-19-83
TWO old CRAWLS - 7-19-83
7-19-83 J.R.Roth
NINE CRAWLS WITH NEST
FIVE FALSE CRAWLS
THREE CRAWLS with NEST Predation

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

AERIAL SURVEY DATA

Date: July 22 83 Time: S 06:13 F 08:29

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General SCT TWR & rain Cloud Cover 2000-3000 BKN

Wind Speed SW 10-12 K Sea Conditions Chop White Caps

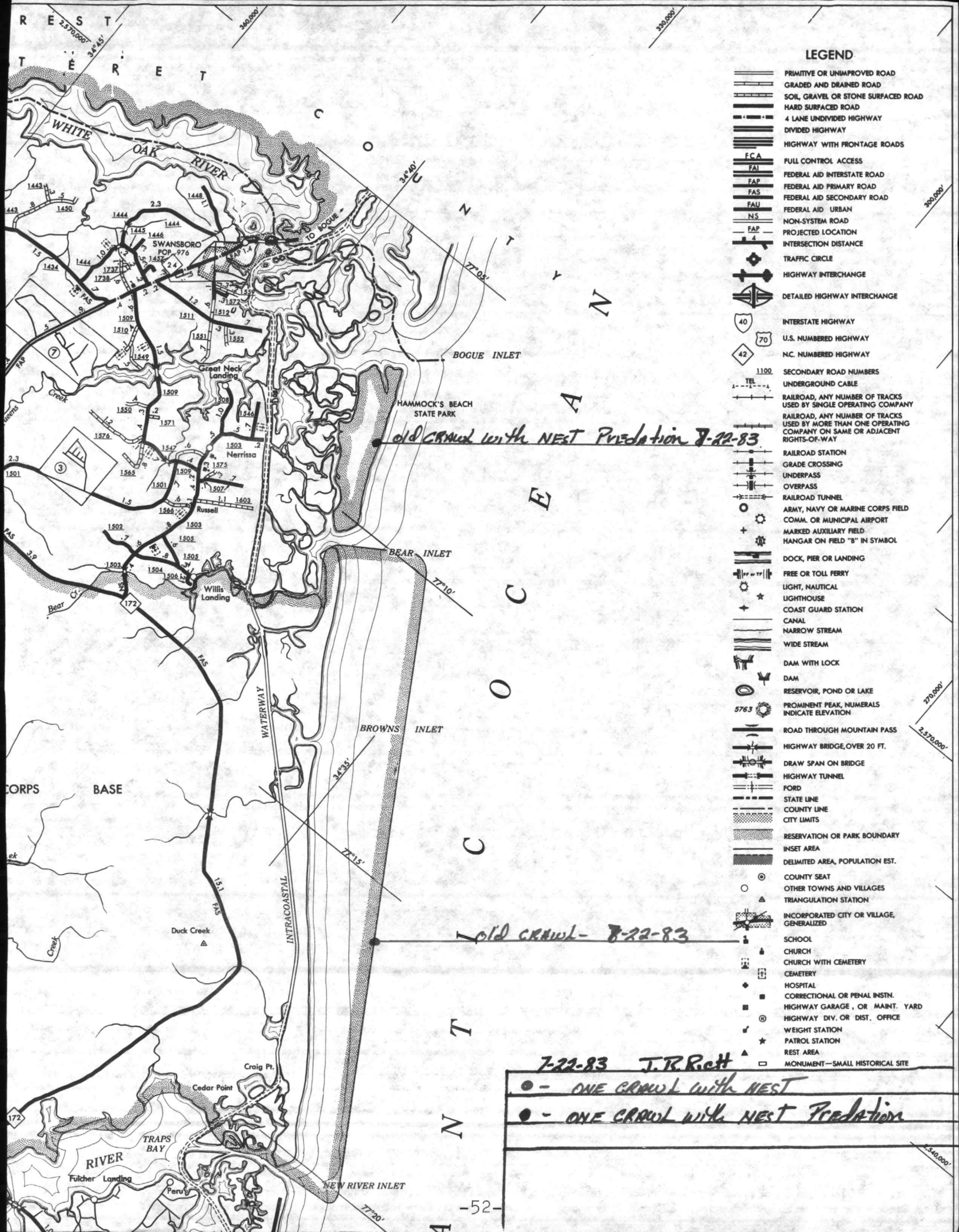
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	1	0	0
Browns Island	0	0	0	1	1	0
Bear Beach	0	0	0	0	0	0

OCEAN AERIAL SURVEYS Altitude 300 FT
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments:

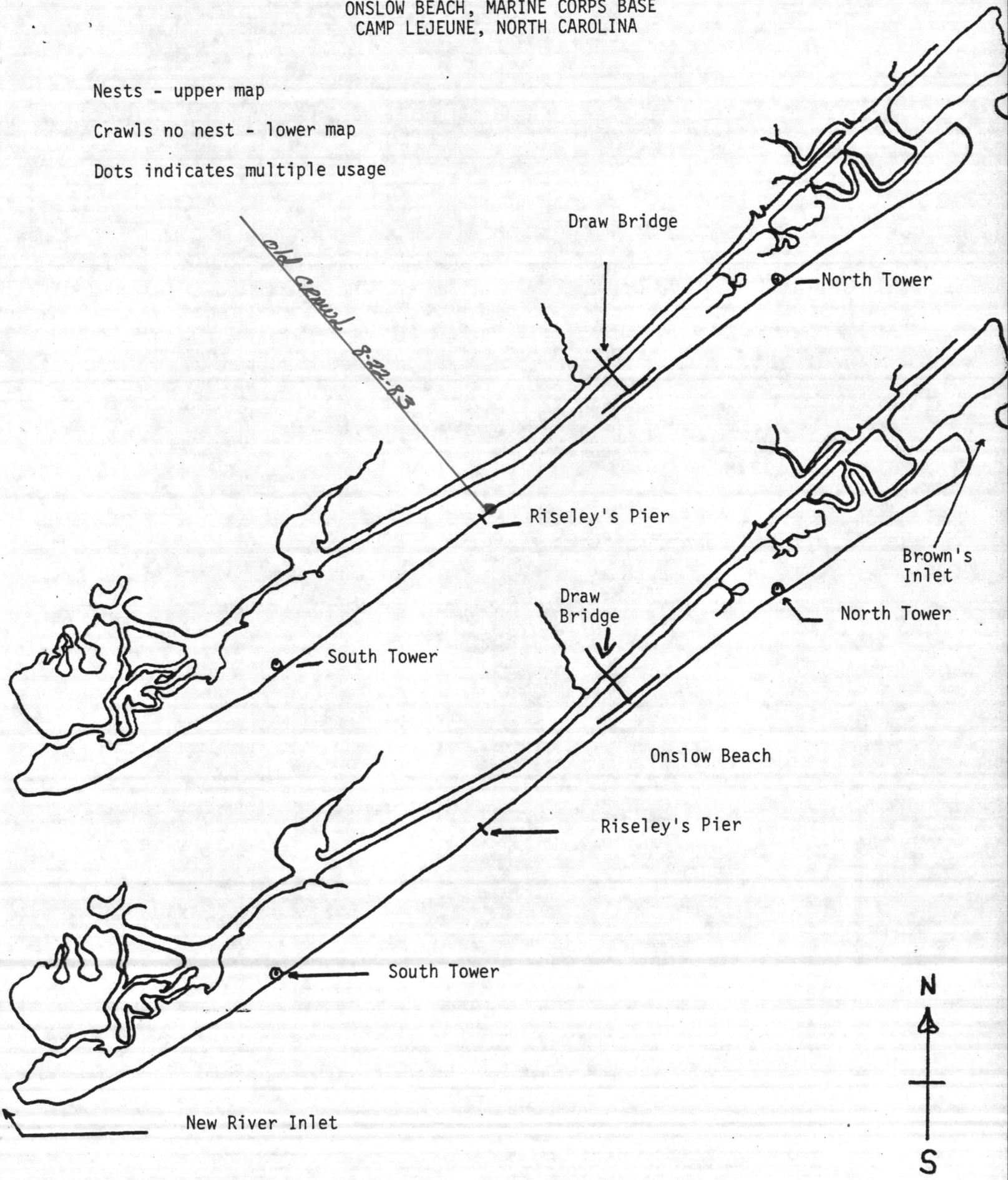

LEGEND
PRIMITIVE OR UNIMPROVED ROAD
GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FCA FULL CONTROL ACCESS
FAI FEDERAL AID INTERSTATE ROAD
FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
4 INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
40 INTERSTATE HIGHWAY
70 U.S. NUMBERED HIGHWAY
42 N.C. NUMBERED HIGHWAY
1100 SECONDARY ROAD NUMBERS
TEL UNDERGROUND CABLE
RAILROAD, ANY NUMBER OF TRACKS USED BY SINGLE OPERATING COMPANY
RAILROAD, ANY NUMBER OF TRACKS USED BY MORE THAN ONE OPERATING COMPANY ON SAME OR ADJACENT RIGHTS-OF-WAY
RAILROAD STATION
GRADE CROSSING
UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
5763 PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
WHITE OAK RIVER
SWANSBORO POP. 976
TO BOGUE
Great Neck Landing
Nerrissa
Russell
Willis Landing
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
old CRAWL with NEST Predation 7-22-83
BEAR INLET
BROWNS INLET
old CRAWL- 7-22-83
NEW RIVER INLET
WATERWAY
INTRACOASTAL
CORPS BASE
7-22-83 J.R.Rich
● - ONE CRAWL with NEST
● - ONE CRAWL with NEST Predation

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

AERIAL SURVEY DATA

Date: July 27 1983 Time: S 06:10 F 08:10

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General clear 7 miles vis Cloud Cover Clear

Wind Speed ENE 8-10 K Sea Conditions Light Chop

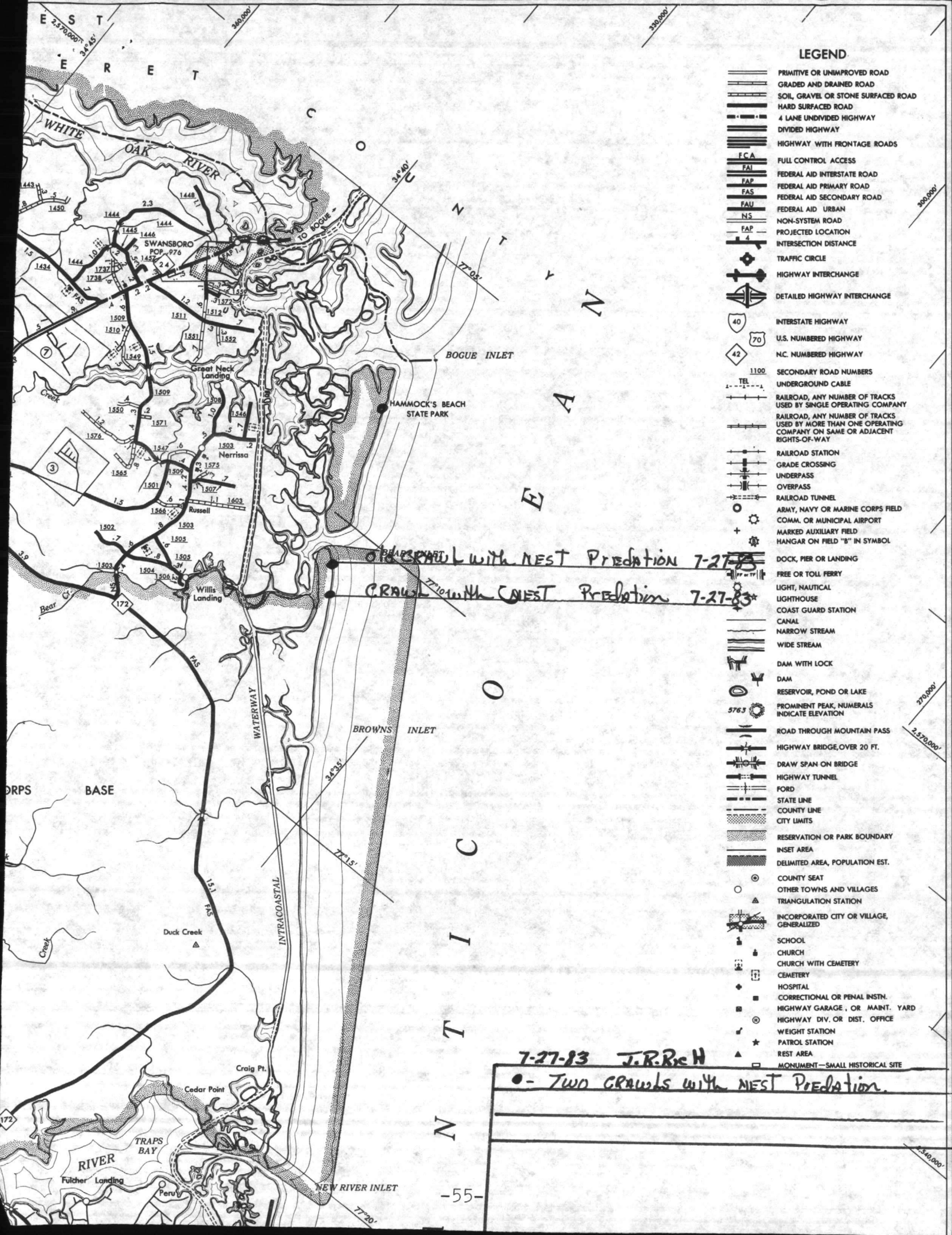
BEACH AERIAL SURVEYS Altitude 100 FT
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	1	1	2	0
Bear Beach	0	0	0	0	0	0

OCEAN AERIAL SURVEYS Altitude 300 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments:


LEGEND
PRIMITIVE OR UNIMPROVED ROAD
GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FCA FULL CONTROL ACCESS
FAI FEDERAL AID INTERSTATE ROAD
FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
4 INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
40 INTERSTATE HIGHWAY
70 U.S. NUMBERED HIGHWAY
42 N.C. NUMBERED HIGHWAY
1100 SECONDARY ROAD NUMBERS
TEL UNDERGROUND CABLE
RAILROAD, ANY NUMBER OF TRACKS USED BY SINGLE OPERATING COMPANY
RAILROAD, ANY NUMBER OF TRACKS USED BY MORE THAN ONE OPERATING COMPANY ON SAME OR ADJACENT RIGHTS-OF-WAY
RAILROAD STATION
GRADE CROSSING
UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
5763 PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
CRAWL with NEST Predation 7-27-83
CRAWL with NEST Predation 7-27-83
7-27-83 J.R. Rich
●- TWO CRAWLS with NEST Predation.
WHITE OAK RIVER
SWANSBORO POP. 976
TO BOGUE
BOGUE INLET
Great Neck Landing
HAMMOCK'S BEACH STATE PARK
Nerrissa
Russell
Willis Landing
BROWNS INLET
WATERWAY
INTRACOASTAL
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
ORPS BASE
ONSLOW COUNTY
34°45'
34°40'
77°05'
34°35'
77°15'
77°20'
2,570,000'
2,540,000'
360,000'
330,000'
300,000'
270,000'

AERIAL SURVEY DATA

Date: July 29 1983 Time: S 06:14 F 08:30

Recorder Name: J. R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 3000 BKN 7 miles vis. Cloud Cover 3000 BKN

Wind Speed Less than 5 K. Sea Conditions Calm

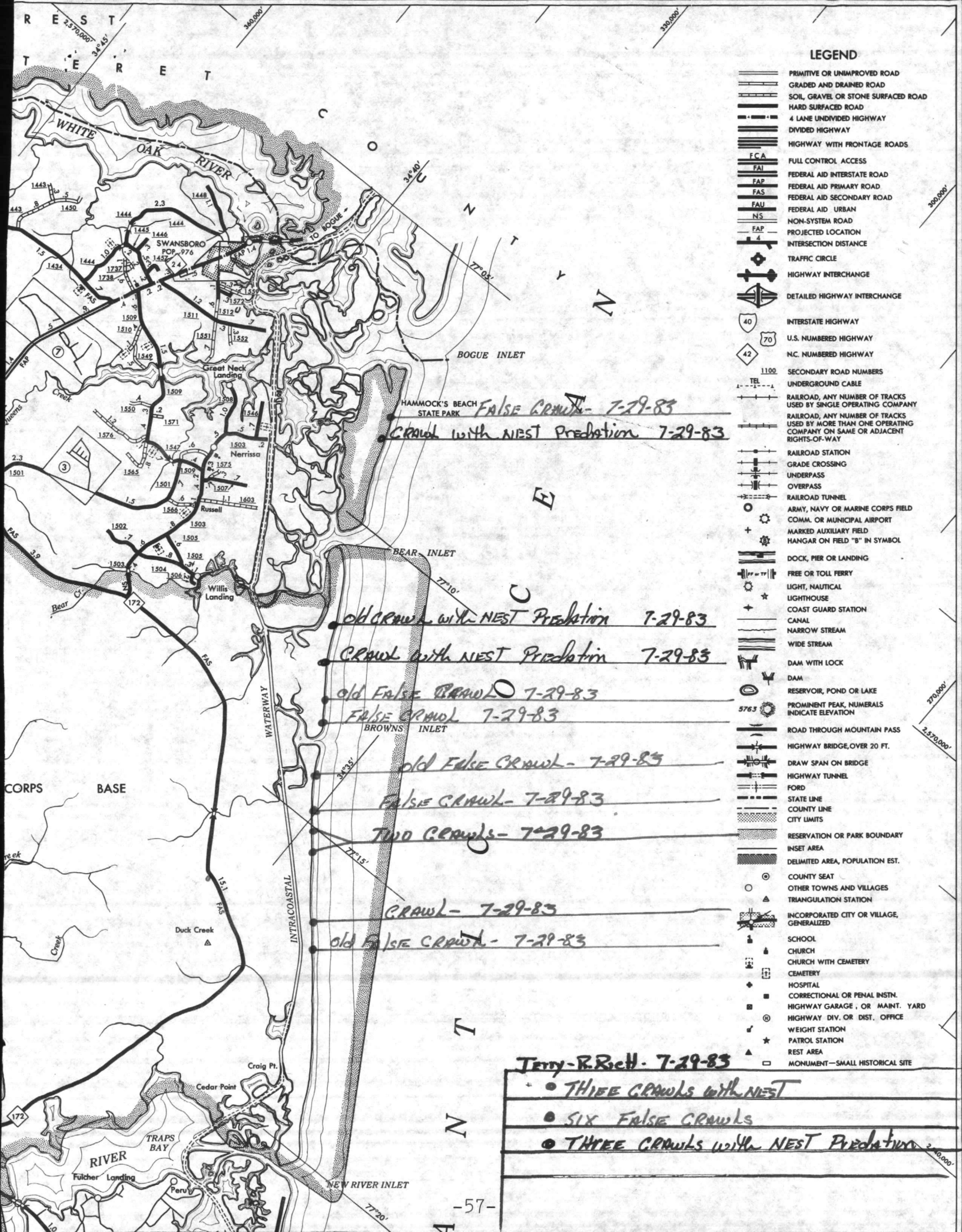
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	1	2	3	0	0	0
Browns Island	1	1	1	1	2	0
Bear Beach	1	0	1	0	1	0

OCEAN AERIAL SURVEYS Altitude 300 FT
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments:


LEGEND
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GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FCA FULL CONTROL ACCESS
FAI FEDERAL AID INTERSTATE ROAD
FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
4 INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
40 INTERSTATE HIGHWAY
70 U.S. NUMBERED HIGHWAY
42 N.C. NUMBERED HIGHWAY
1100 SECONDARY ROAD NUMBERS
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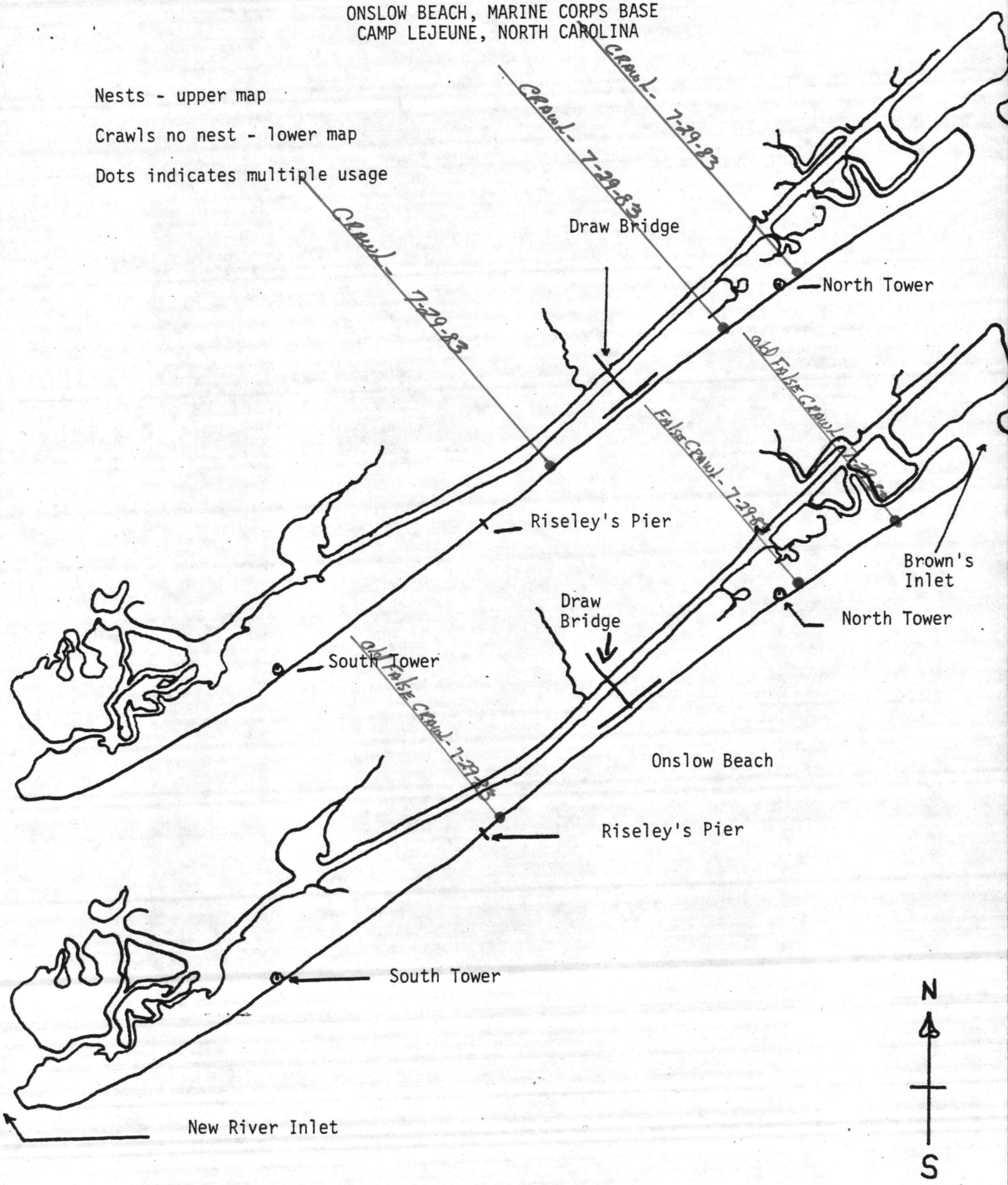
GRADE CROSSING
UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
5763 PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
WHITE OAK RIVER
SWANSBORO POP. 976
TO BOGUE
Great Neck Landing
Nerrissa
Russell
Willis Landing
Bear Cr.
Queens Creek
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
False Crawl - 7-29-83
Crawl with NEST Predation 7-29-83
BEAR INLET
Old Crawl with NEST Predation 7-29-83
Crawl with NEST Predation 7-29-83
Old False Crawl 7-29-83
False Crawl 7-29-83
BROWNS INLET
Old False Crawl - 7-29-83
False Crawl - 7-29-83
Two Crawls - 7-29-83
WATERWAY
INTRACOASTAL
CORPS BASE
Duck Creek
Crawl - 7-29-83
Old False Crawl - 7-29-83
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
Jerry - R. Rich - 7-29-83
• Three Crawls with NEST
• Six False Crawls
• Three Crawls with NEST Predation

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

AERIAL SURVEY DATA

Date: August 4 1983 Time: S 06:13 F 08:20

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 1000 Bkn Rain Cloud Cover 1000 BKN

Wind Speed Calm Sea Conditions Calm

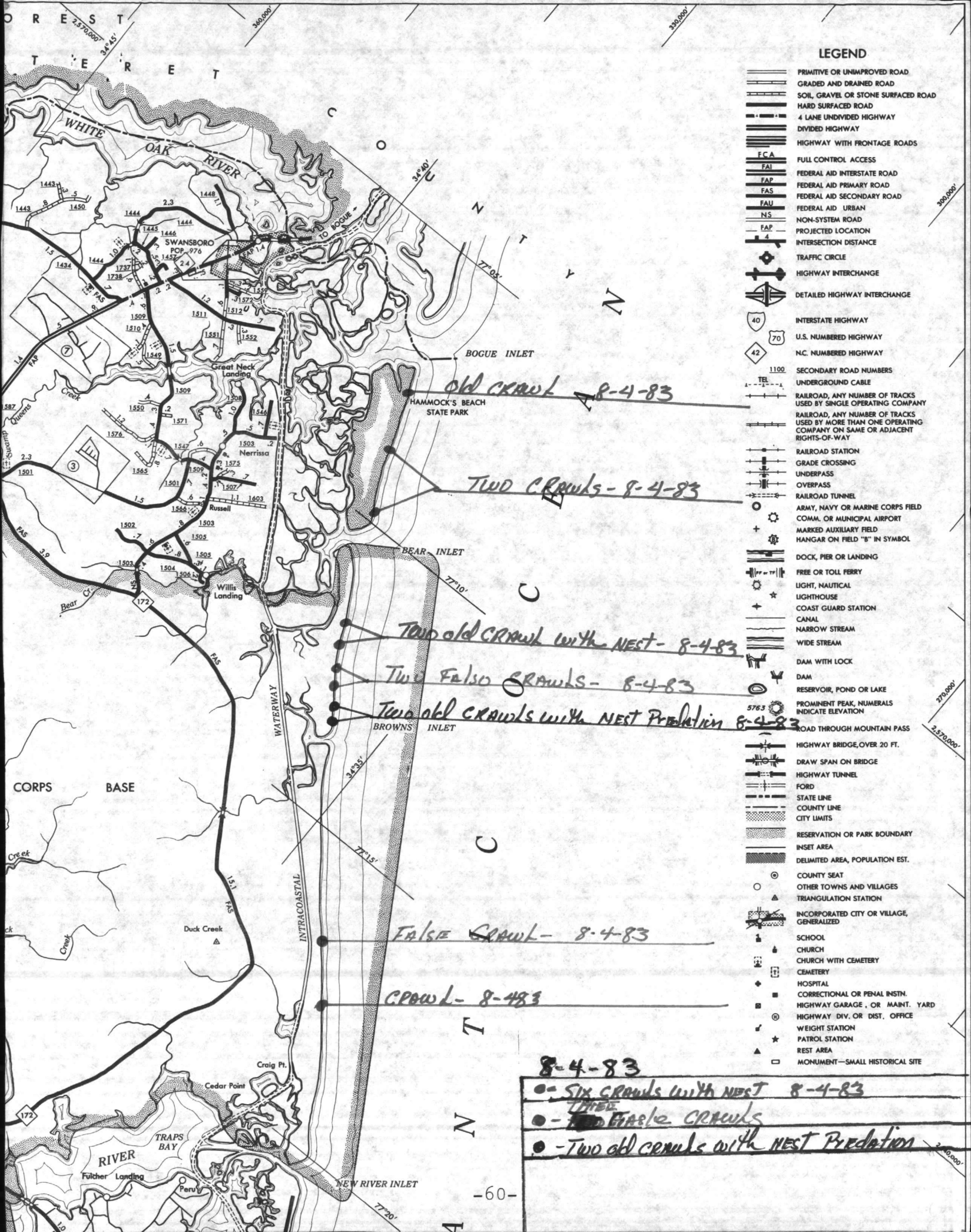
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	1	0	1	0	0	0
Browns Island	2	0	0	4	2	0
Bear Beach	0	0	2	1	0	0

OCEAN AERIAL SURVEYS Altitude 300 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments:


LEGEND
PRIMITIVE OR UNIMPROVED ROAD
GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
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FAI FEDERAL AID INTERSTATE ROAD
FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
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FAP PROJECTED LOCATION
INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
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70 U.S. NUMBERED HIGHWAY
42 N.C. NUMBERED HIGHWAY
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UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
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MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
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FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
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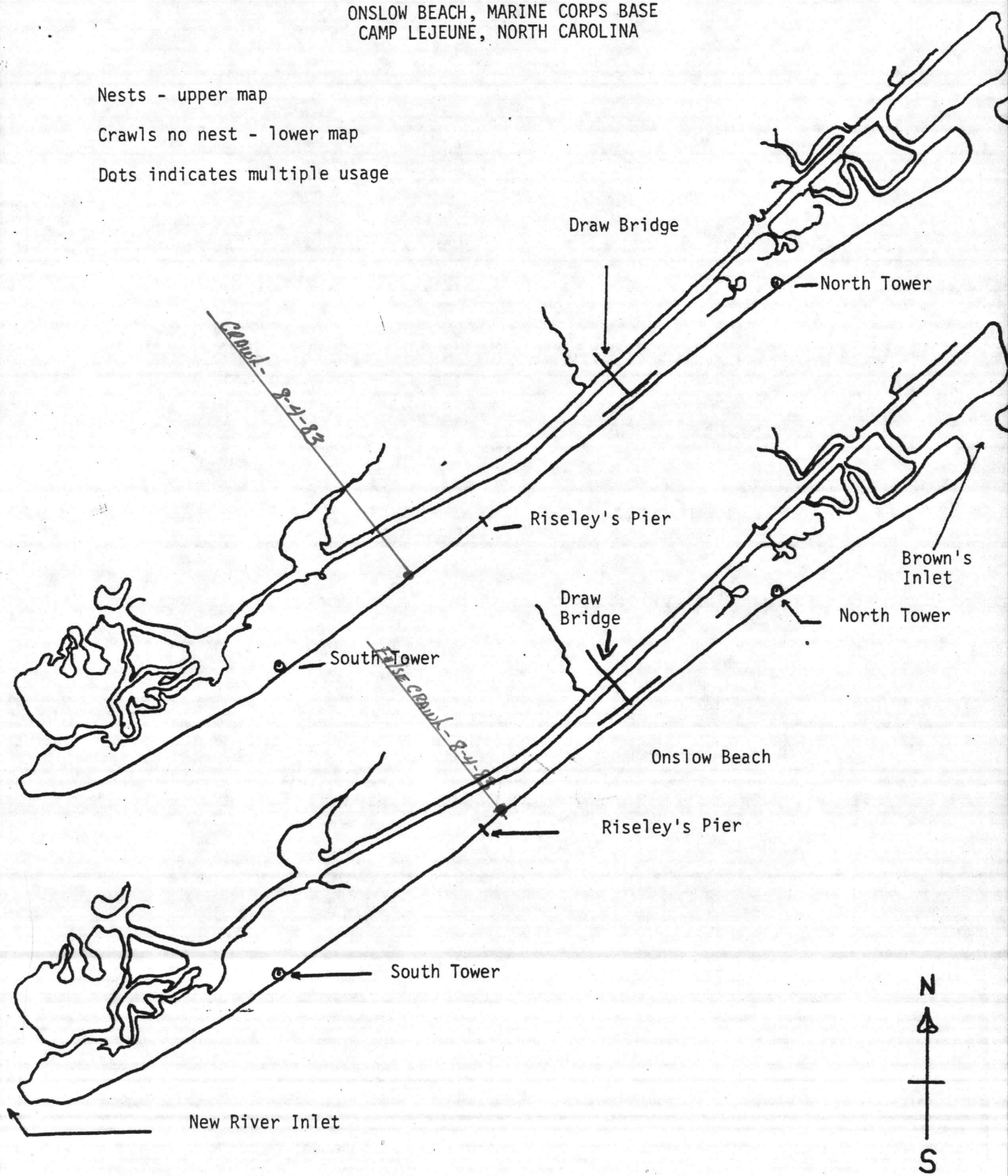
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
WHITE OAK RIVER
SWANSBORO POP. 976
TO BOGUE
Great Neck Landing
Nerrissa
Russell
Willis Landing
Queens Creek
Swamp
Bear Cr.
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
BEAR INLET
BROWNS INLET
WATERWAY
INTRACOASTAL
CORPS BASE
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
Old CRAWL 8-4-83
TWO CRAWLS - 8-4-83
Two old CRAWL with NEST - 8-4-83
Two FALSO CRAWLS - 8-4-83
Two old CRAWLS with NEST Predation 8-4-83
FALSE CRAWL - 8-4-83
CRAWL - 8-4-83
8-4-83
- SIX CRAWLS WITH NEST 8-4-83
- THREE FALSE CRAWLS
- Two old CRAWLS with NEST Predation

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

AERIAL SURVEY DATA

Date: August 9 1983 Time: S 06:10 F 08:12

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 2-3 miles fog & haze Cloud Cover Clear

Wind Speed SW 8 K Sea Conditions Light chop

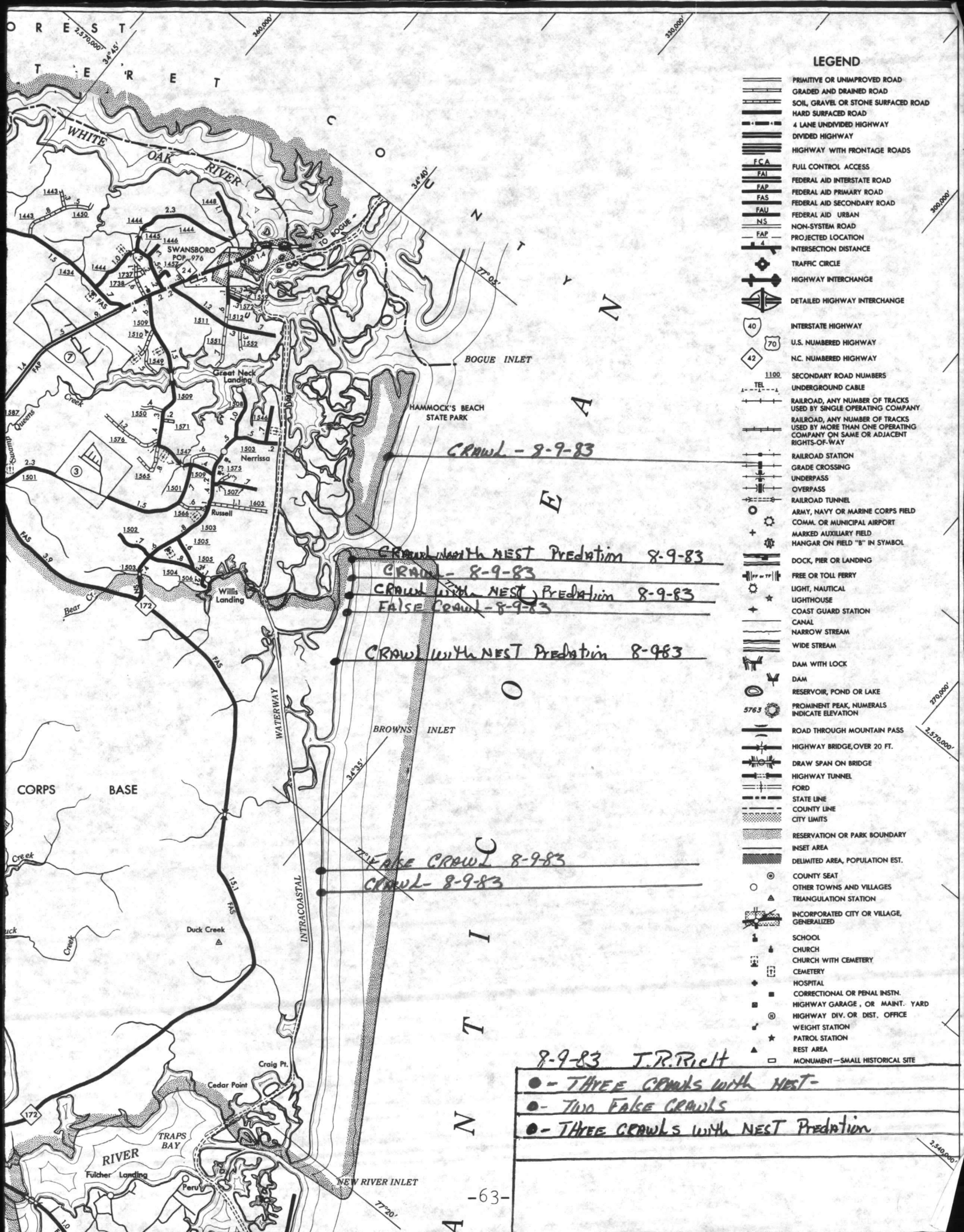
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	1	0	0	0	0	0
Browns Island	1	0	4	0	3	0
Bear Beach	0	0	1	0	0	0

OCEAN AERIAL SURVEYS Altitude 300 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments:


LEGEND
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HIGHWAY WITH FRONTAGE ROADS
FCA FULL CONTROL ACCESS
FAI FEDERAL AID INTERSTATE ROAD
FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
4 INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
40 INTERSTATE HIGHWAY
70 U.S. NUMBERED HIGHWAY
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1100 SECONDARY ROAD NUMBERS
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RAILROAD, ANY NUMBER OF TRACKS USED BY MORE THAN ONE OPERATING COMPANY ON SAME OR ADJACENT RIGHTS-OF-WAY
RAILROAD STATION
GRADE CROSSING
UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
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WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
5763 PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
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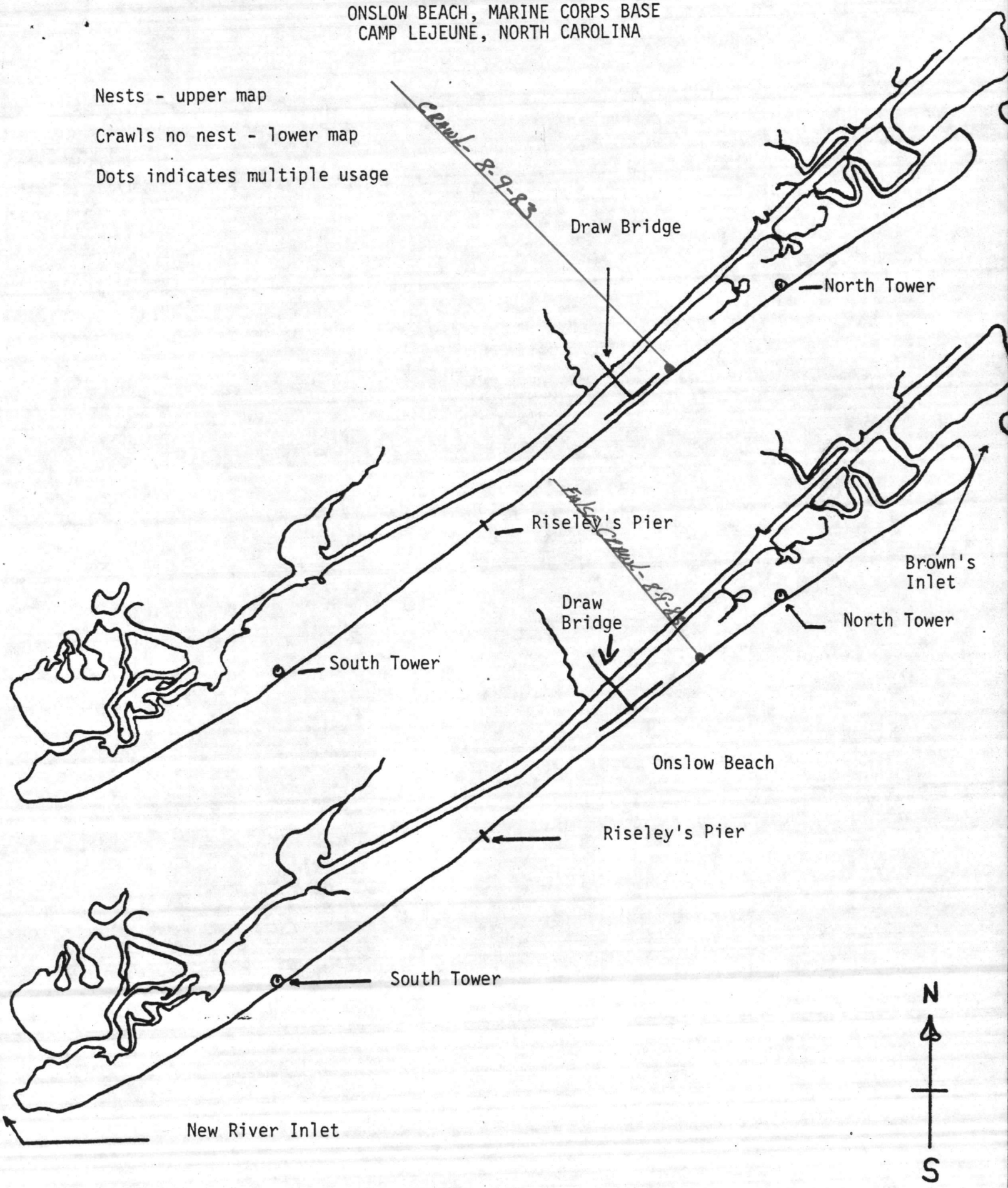
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
8-9-83 J.R.Rich
●- THREE CRAWLS WITH NEST-
●- TWO FALSE CRAWLS
●- THREE CRAWLS WITH NEST Predation
CRAWL - 8-9-83
CRAWL WITH NEST Predation 8-9-83
CRAWL - 8-9-83
CRAWL WITH NEST Predation 8-9-83
FALSE CRAWL - 8-9-83
CRAWL WITH NEST Predation 8-9-83
FALSE CRAWL 8-9-83
CRAWL - 8-9-83
BOGUE INLET
BROWNS INLET
NEW RIVER INLET
HAMMOCK'S BEACH STATE PARK
SWANSBORO POP. 976
TO BOGUE
Great Neck Landing
Nerrissa
Russell
Willis Landing
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
WATERWAY
INTRACOASTAL
CORPS BASE
WHITE OAK RIVER
Queens Creek
Bear Creek
Duck Creek
340,000'
330,000'
300,000'
270,000'
2,570,000'
2,540,000'
34°45'
34°40'
34°35'
77°05'
77°20'

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



MAP 1

AERIAL SURVEY DATA

Date: August 11 1983 Time: S 06:02 F 08:22

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 1 mile fog & haze Cloud Cover 800 OVC

Wind Speed SW 8-10 K Sea Conditions Chop

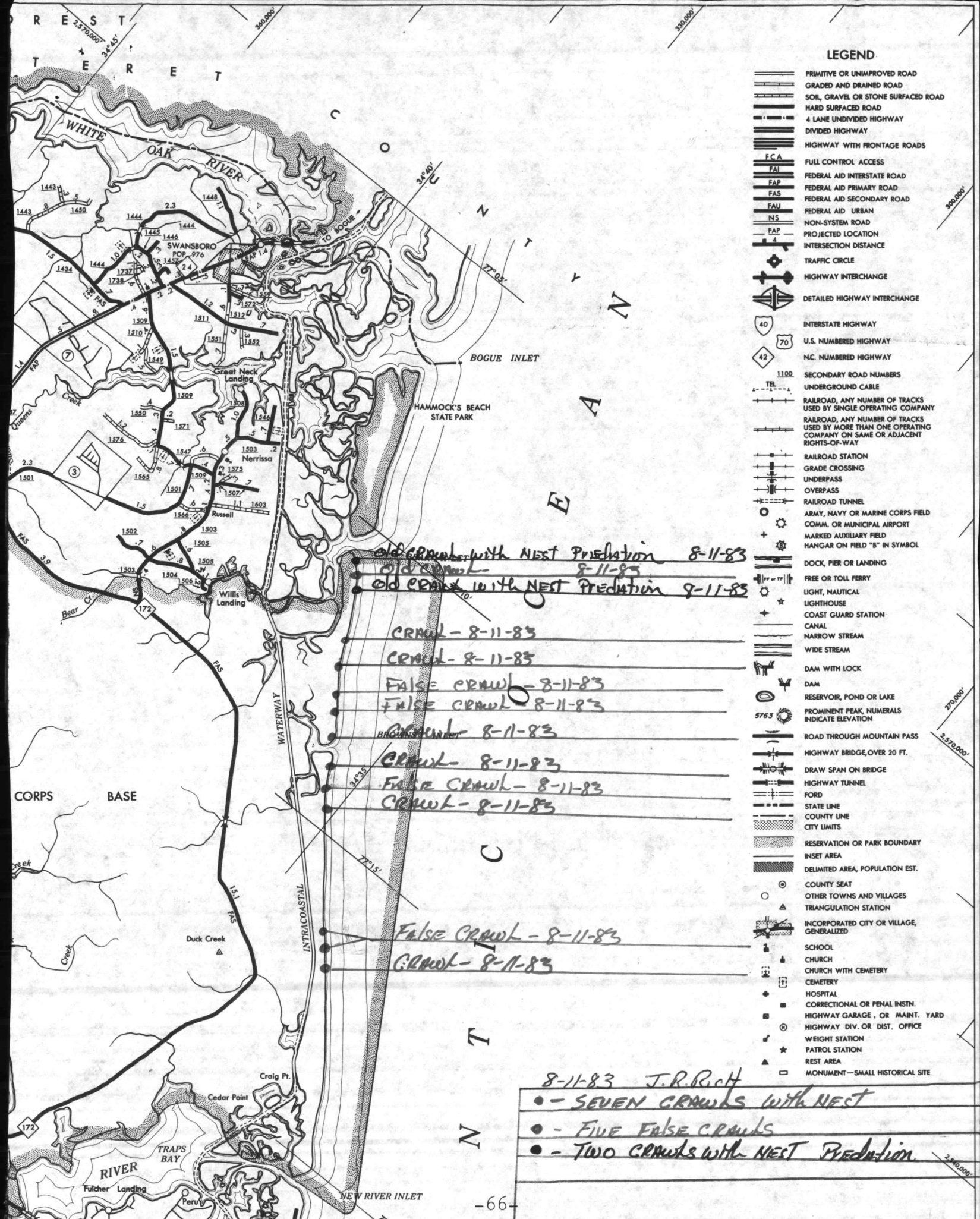
BEACH AERIAL SURVEYS Altitude 100 FT
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	2	0	3	3	0	2
Bear Beach	2	0	3	0	0	0

OCEAN AERIAL SURVEYS Altitude 300 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments:


LEGEND
PRIMITIVE OR UNIMPROVED ROAD
GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
4 LANE UNDIVIDED HIGHWAY
DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
FCA FULL CONTROL ACCESS
FAI FEDERAL AID INTERSTATE ROAD
FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
4 INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
DETAILED HIGHWAY INTERCHANGE
40 INTERSTATE HIGHWAY
70 U.S. NUMBERED HIGHWAY
42 N.C. NUMBERED HIGHWAY
1100 SECONDARY ROAD NUMBERS
TEL UNDERGROUND CABLE
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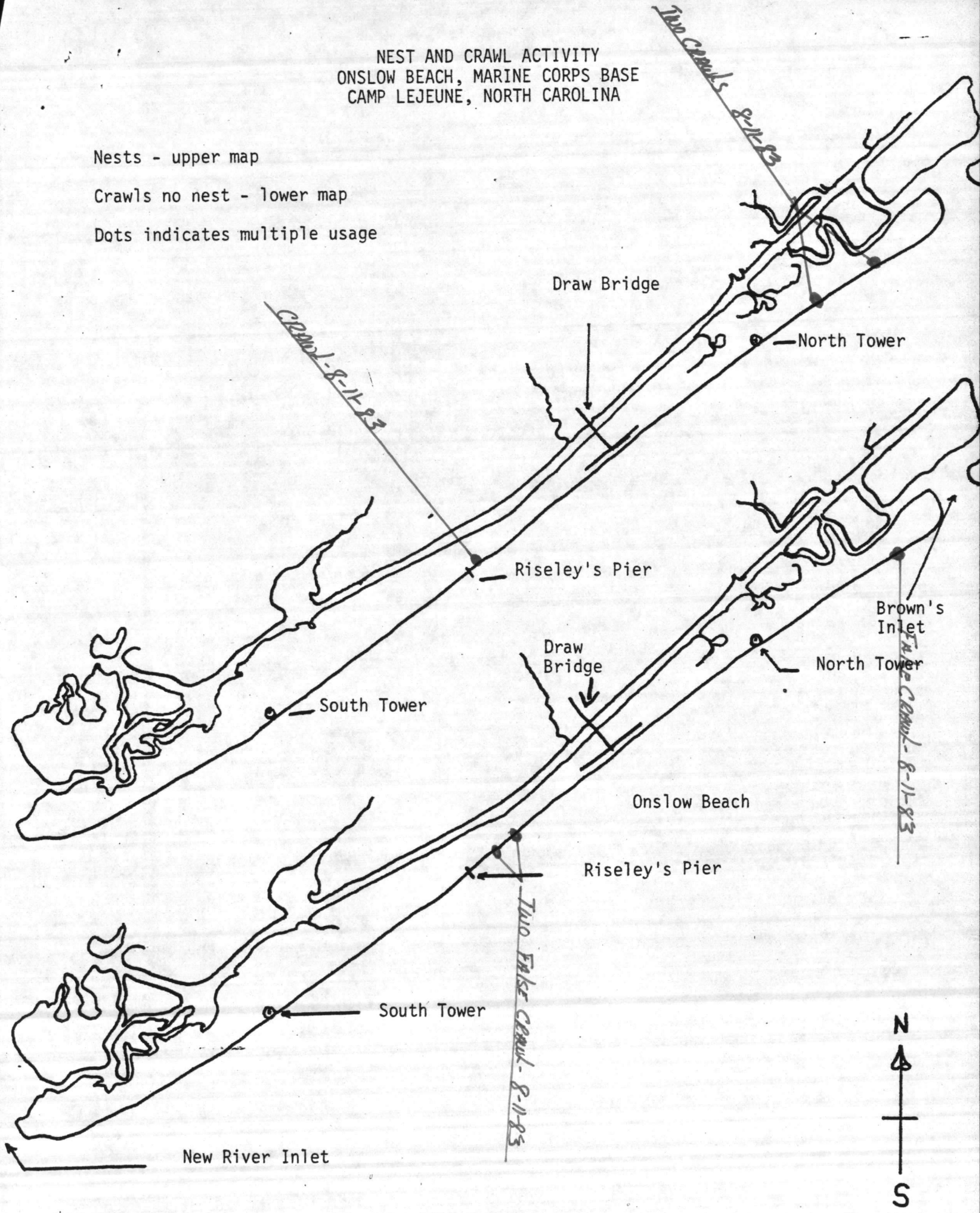
RAILROAD, ANY NUMBER OF TRACKS USED BY MORE THAN ONE OPERATING COMPANY ON SAME OR ADJACENT RIGHTS-OF-WAY
RAILROAD STATION
GRADE CROSSING
UNDERPASS
OVERPASS
RAILROAD TUNNEL
ARMY, NAVY OR MARINE CORPS FIELD
COMM. OR MUNICIPAL AIRPORT
MARKED AUXILIARY FIELD
HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
FREE OR TOLL FERRY
LIGHT, NAUTICAL
LIGHTHOUSE
COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
RESERVOIR, POND OR LAKE
5763 PROMINENT PEAK, NUMERALS INDICATE ELEVATION
ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
WHITE OAK RIVER
SWANSBORO POP. 976
TO BOGUE
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
Great Neck Landing
Nerrissa
Russell
Willis Landing
Queens Creek
Bear Cr.
WATERWAY
INTRACOASTAL
CORPS BASE
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
old crawl with NEST Predation 8-11-83
old crawl - 8-11-83
old crawl with NEST Predation 8-11-83
crawl - 8-11-83
crawl - 8-11-83
FALSE crawl - 8-11-83
FALSE crawl - 8-11-83
crawl - 8-11-83
crawl - 8-11-83
FALSE crawl - 8-11-83
crawl - 8-11-83
FALSE crawl - 8-11-83
crawl - 8-11-83
8-11-83 J.R. Rich
• - SEVEN crawls with NEST
• - FIVE FALSE crawls
• - TWO crawls with NEST Predation

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

Nests - upper map

Crawls no nest - lower map

Dots indicates multiple usage



MAP 1

AERIAL SURVEY DATA

Date: August 16 1983 Time: S 06:04 F 08:05

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 1-2 miles fog Cloud Cover 1000 SCT

Wind Speed Less than 5 K Sea Conditions Calm

BEACH AERIAL SURVEYS Altitude 100 FT

Air Speed 60 K

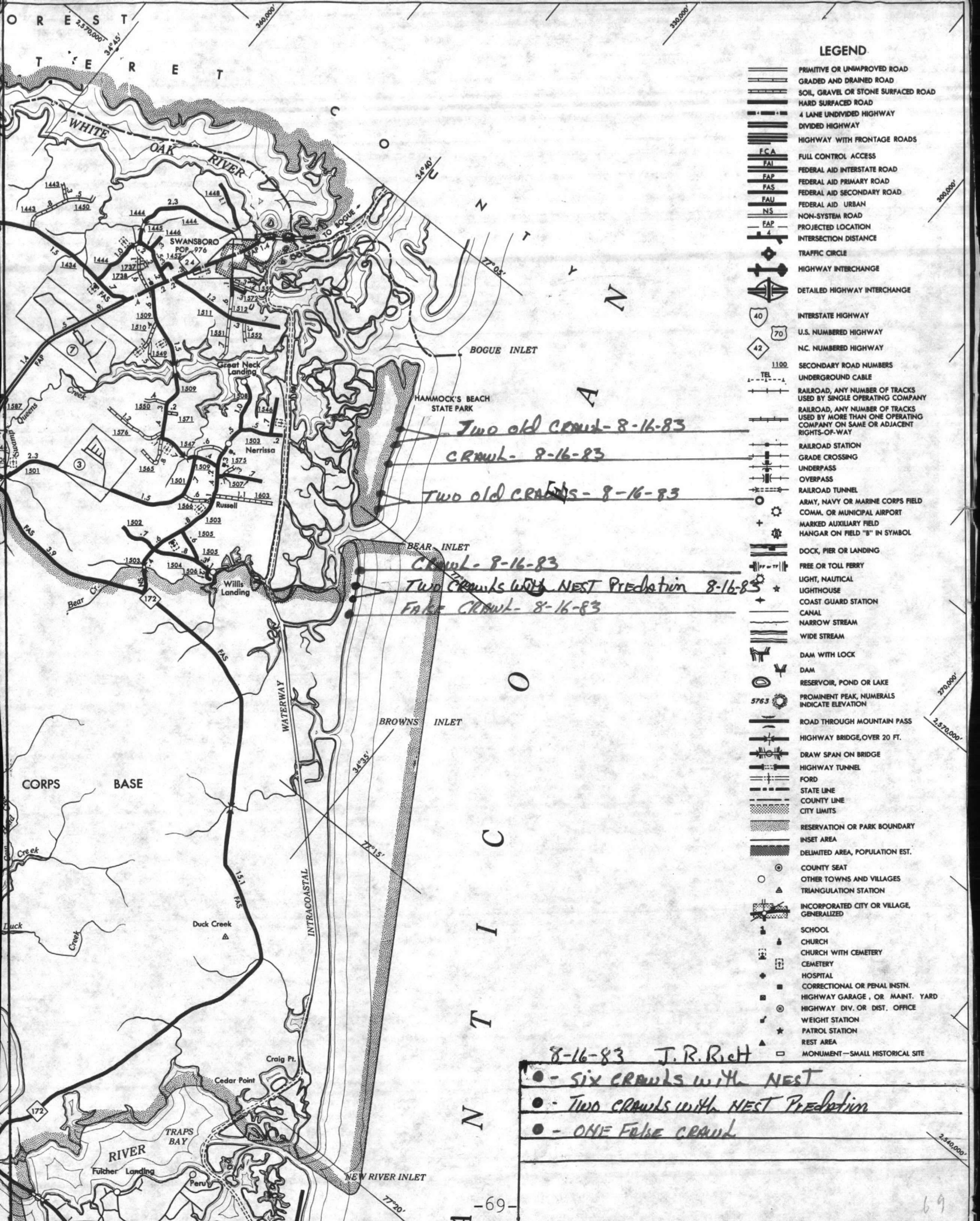
Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	1	0	3	0	2	0
Bear Beach	0	0	1	4	0	0

OCEAN AERIAL SURVEYS Altitude 300 Ft

Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments:


LEGEND
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GRADED AND DRAINED ROAD
SOIL, GRAVEL OR STONE SURFACED ROAD
HARD SURFACED ROAD
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DIVIDED HIGHWAY
HIGHWAY WITH FRONTAGE ROADS
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UNDERPASS
OVERPASS
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DOCK, PIER OR LANDING
FREE OR TOLL FERRY
LIGHT, NAUTICAL
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DAM
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ROAD THROUGH MOUNTAIN PASS
HIGHWAY BRIDGE, OVER 20 FT.
DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
RESERVATION OR PARK BOUNDARY
INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
8-16-83 J.R. Rich
● - Six crawls with nest
● - Two crawls with nest predation
● - One false crawl
BOGUE INLET
HAMMOCK'S BEACH STATE PARK
Two old crawl - 8-16-83
Crawl - 8-16-83
Two old crawls - 8-16-83
BEAR INLET
Crawl - 8-16-83
Two crawls with nest predation 8-16-83
False crawl - 8-16-83
BROWNS INLET
NEW RIVER INLET
SWANSBORO POP. 976
Great Neck Landing
Nerrissa
Russell
Willis Landing
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
WATERWAY
INTRACOASTAL
CORPS BASE
TO BOGUE
WHITE OAK RIVER
Queens Creek
Bear Cr.
Duck Creek
340,000'
330,000'
300,000'
270,000'
2,570,000'
2,540,000'
34°45'
34°40'
34°35'
77°05'
77°15'
77°20'

AERIAL SURVEY DATA

Date: August 19 83 Time: S 06:01 F 08:04

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: J. R. Rich

Co-Pilot: None Crew Chief: None

Others: None

Weather: General 10,000 BKN 3 miles haze Cloud Cover 10,000 BKN

Wind Speed SSW 10-15 K Sea Conditions White caps

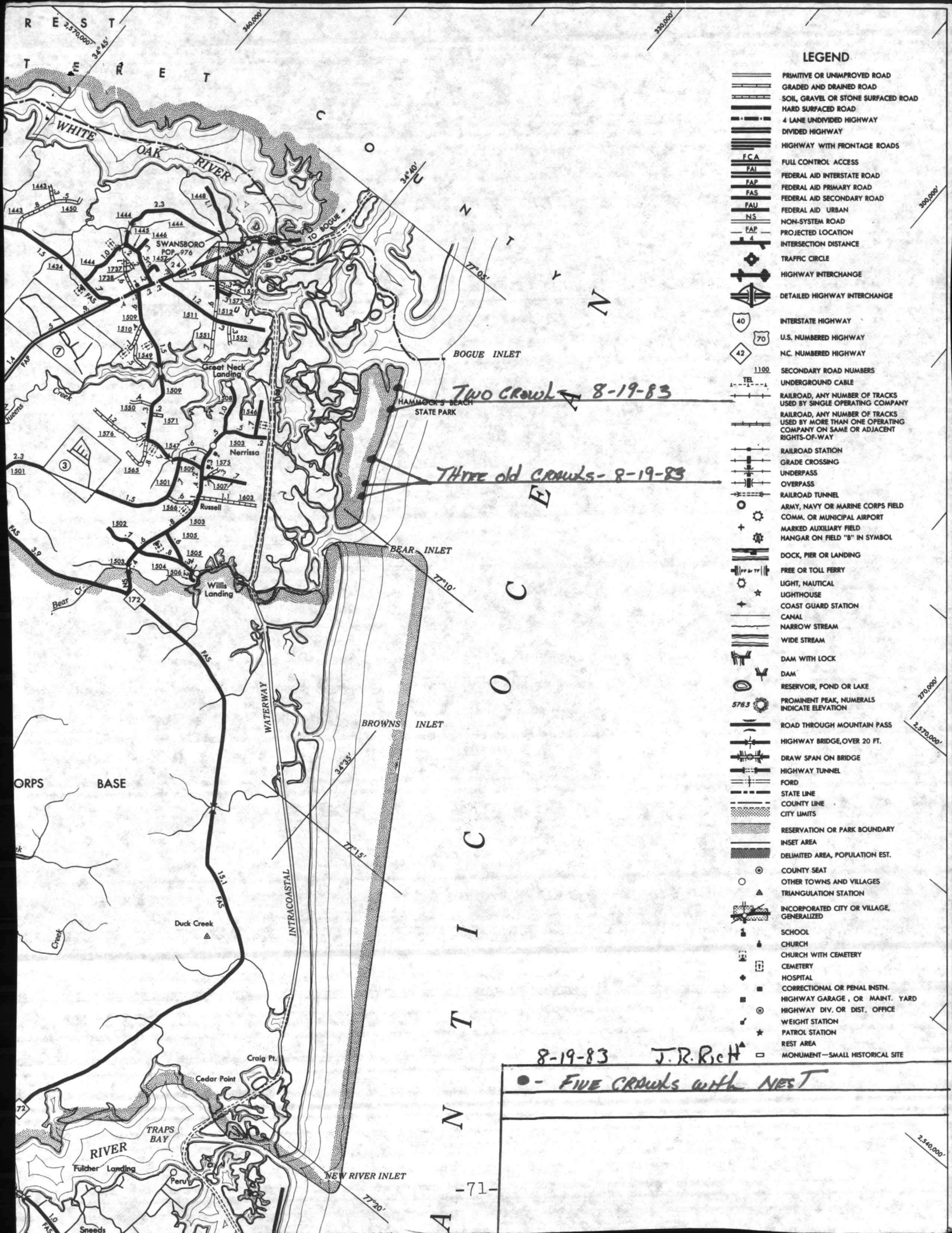
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	0	0	0	0
Bear Beach	0	0	2	3	0	0

OCEAN AERIAL SURVEYS Altitude 300 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	None

Comments: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FAP FEDERAL AID PRIMARY ROAD
FAS FEDERAL AID SECONDARY ROAD
FAU FEDERAL AID URBAN
NS NON-SYSTEM ROAD
FAP PROJECTED LOCATION
INTERSECTION DISTANCE
TRAFFIC CIRCLE
HIGHWAY INTERCHANGE
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COMM. OR MUNICIPAL AIRPORT
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HANGAR ON FIELD "B" IN SYMBOL
DOCK, PIER OR LANDING
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COAST GUARD STATION
CANAL
NARROW STREAM
WIDE STREAM
DAM WITH LOCK
DAM
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ROAD THROUGH MOUNTAIN PASS
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DRAW SPAN ON BRIDGE
HIGHWAY TUNNEL
FORD
STATE LINE
COUNTY LINE
CITY LIMITS
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INSET AREA
DELIMITED AREA, POPULATION EST.
COUNTY SEAT
OTHER TOWNS AND VILLAGES
TRIANGULATION STATION
INCORPORATED CITY OR VILLAGE, GENERALIZED
SCHOOL
CHURCH
CHURCH WITH CEMETERY
CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
8-19-83 J.R. Rich
●- FIVE CROWNS with NEST
WHITE OAK RIVER
SWANSBORO
POP. 976
TO BOGUE
BOGUE INLET
Great Neck Landing
HAMMOCK'S BEACH STATE PARK
Two crowns 8-19-83
Three old crowns - 8-19-83
Nerrissa
Russell
BEAR INLET
Willis Landing
WATERWAY
BROWNS INLET
INTRACOASTAL
ORPS BASE
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
Sneeds
Bear Cr.
Creek
FAS
FAP
172
77°05'
77°10'
77°15'
77°20'
34°40'
34°35'
34°45'
360,000'
330,000'
300,000'
270,000'
2,570,000'
2,540,000'

AERIAL SURVEY DATA

Date: 8-23 83 Time: S _____ F _____

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: _____

Co-Pilot: None Crew Chief: _____

Others: None

Weather: General 900 ovc 1 mile fog & haze Cloud Cover 1000 ovc

Wind Speed 230 10 K Sea Conditions Chop

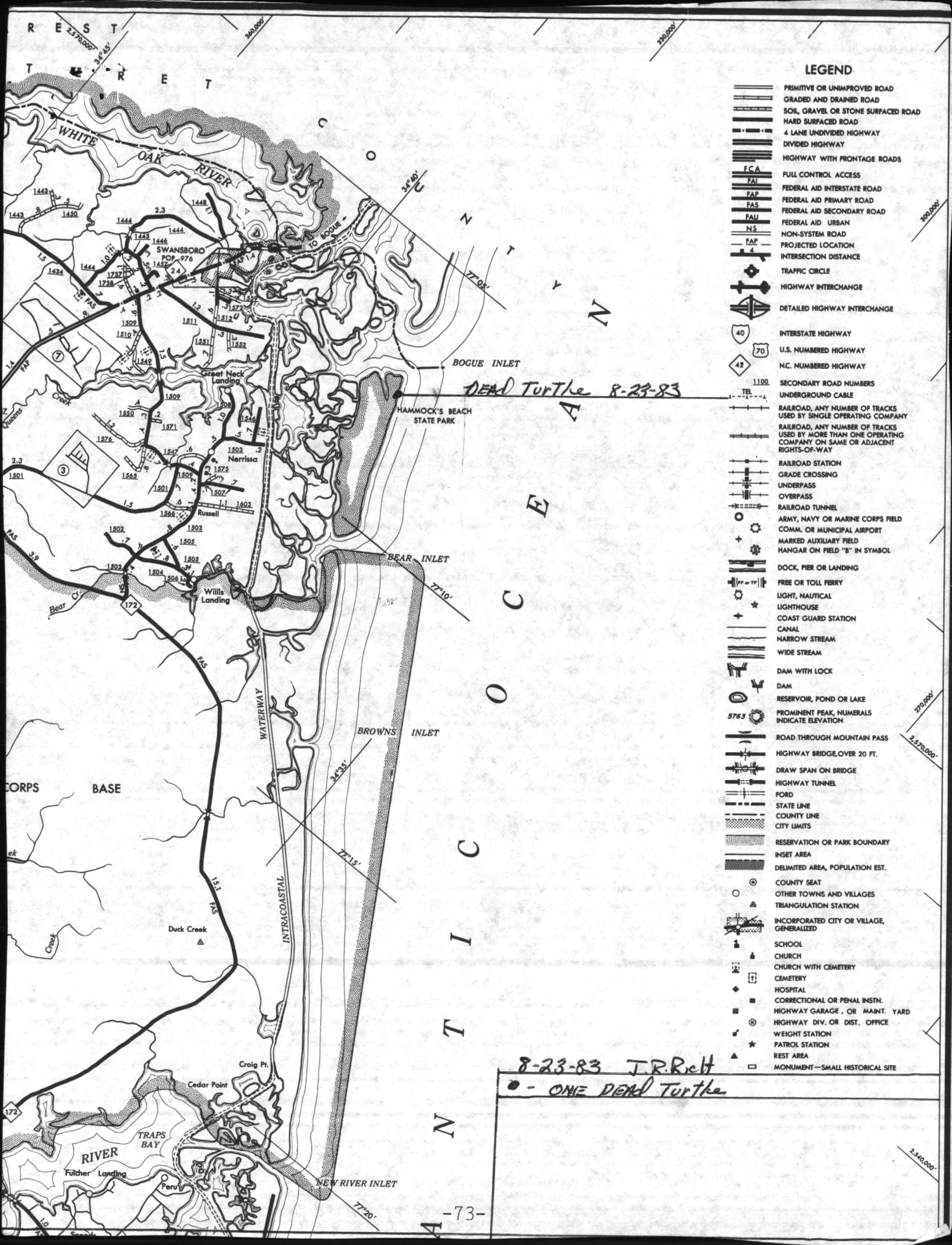
BEACH AERIAL SURVEYS Altitude 100 Ft
Air Speed 60 K

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	0	0	0	0	0	0
Browns Island	0	0	0	0	0	0
Bear Beach	0	0	0	0	0	0

OCEAN AERIAL SURVEYS Altitude 300 Ft
Air Speed 60 K

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet	None	None	One dead turtle Bear Beach

Comments: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DRAW SPAN ON BRIDGE
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CEMETERY
HOSPITAL
CORRECTIONAL OR PENAL INSTN.
HIGHWAY GARAGE, OR MAINT. YARD
HIGHWAY DIV. OR DIST. OFFICE
WEIGHT STATION
PATROL STATION
REST AREA
MONUMENT—SMALL HISTORICAL SITE
REST
WHITE OAK RIVER
SWANSBORO POP. 976
TO BOGUE
BOGUE INLET
Dead Turtle 8-23-83
HAMMOCK'S BEACH STATE PARK
Great Neck Landing
Nerrissa
Russell
Willis Landing
BEAR INLET
BROWNS INLET
WATERWAY
INTRACOASTAL
CORPS BASE
Duck Creek
Craig Pt.
Cedar Point
TRAPS BAY
RIVER
Fulcher Landing
Peru
NEW RIVER INLET
8-23-83 J.R.Rich
- ONE DEAD Turtle

AERIAL SURVEY DATA

Date: August 31 1983 Time: S _____ F _____

Recorder Name: Jerry R. Rich

Crew Names: None Pilot: _____

Co-Pilot: None Crew Chief: _____

Others: None

Weather: General 200 Ft ¼ mile fog Cloud Cover _____

Wind Speed _____ Sea Conditions _____

BEACH AERIAL SURVEYS Altitude _____

Air Speed _____

Location	Crawls		Nests		Nest Predation	
	New	Old	New	Old	New	Old
Onslow Beach	Unable to make flight due to weather, Kinston 200 ft. ¼ miles fog from 05:00 thru 08:00. Check with range control about making flight after 08:00. Unable to make flight after 08:00 because range in use from 08:00 thru 17:00. Cancel flight for 31 August 1983					
Browns Island						
Bear Beach						
					J. R. Rich	

OCEAN AERIAL SURVEYS Altitude _____

Air Speed _____

	Live Turtles		Dead Turtles
	Juvenile	Adults	
Bell Buoy from Bogue Inlet to New River Inlet			

Comments:

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 6-8-83 Nest No. 001 Tag No. AAR 051 AAR 052 Time 0015

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 1.6 S

Visibility Good Weather Conditions Fair

Wind Speed and direction 5-10 Knots NE Air Temperature 67° F

Water Temperature 70°F Time Ashore (Known or estimated) ~2315

Carapace Length 39½ Carapace width 35½

Carapace condition (Damages/barnacle infestation, etc.) 2 cuts above left R. Flipper

Head length/width 13/9 Right front flipper length 18½

Right rear flipper length 14½ Estimated weight 275-300

Flipper condition (cuts, missing portions, etc.) good

Body pit length/width 50"/48" Depth to egg chamber 12"

Time of nearest low ~0100 or high tide _____

Distance of nest below _____ or above high tide line 60'

Comments: Tagged AAR 051, 052 Nested 160 eggs - relocated up into dunes.

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

3.1
2

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 6-1583 Nest No. 005 Tag No. _____ Time 2400

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 1.2 (S)

Visibility good Weather Conditions Fair

Wind Speed and direction 0-5 knots NE Air Temperature 70°F

Water Temperature _____ Time Ashore (Known or estimated) 2330

Carapace Length _____ Carapace width _____

Carapace condition (Damages/barnacle infestation, etc.) _____

Head length/width _____ Right front flipper length _____

Right rear flipper length _____ Estimated weight _____

Flipper condition (cuts, missing portions, etc.) _____

Body pit length/width _____ Depth to egg chamber _____

Time of nearest low _____ or high tide ~2330

Distance of nest below _____ or above high tide line _____

Comments: 121 eggs Relocated to 1.6(S) same cage as Nest # 004

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

3:1
1:2

Date Female Nested 6-1583 Nest No. 005 Tag No. _____ Time 2400

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 1.2 (S)

Visibility good Weather Conditions Fair

Wind Speed and direction 0-5 knots NE Air Temperature 70°F

Water Temperature _____ Time Ashore (Known or estimated) 2330

Carapace Length _____ Carapace width _____

Carapace condition (Damages/barnacle infestation, etc.) _____

Head length/width _____ Right front flipper length _____

Right rear flipper length _____ Estimated weight _____

Flipper condition (cuts, missing portions, etc.) _____

Body pit length/width _____ Depth to egg chamber _____

Time of nearest low _____ or high tide ~2330

Distance of nest below _____ or above high tide line _____

Comments: 121 eggs relocated to 1.6(S) same cage as Nest #004

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 6-16-83 Nest No. #008 Tag No. 055 056 Time 2330

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 3.9 (N)

Visibility good Weather Conditions Fair

Wind Speed and direction 5-10 KNOTS NE Air Temperature 75°F

Water Temperature 79°F Time Ashore (Known or estimated) 2300

Carapace Length 39" Carapace width 36"

Carapace condition (Damages/barnacle infestation, etc.) good

Head length/width 9"/7" Right front flipper length 18"

Right rear flipper length 12" Estimated weight 275 lbs

Flipper condition (cuts, missing portions, etc.) good

Body pit length/width _____ Depth to egg chamber _____

Time of nearest low _____ or high tide ~0030

Distance of nest below _____ or above high tide line _____

Comments: 142 eggs Relocated from 3.9 (N) to 3.7 (N)

4.2
1.5
2.6

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

6.4
3.7

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 6-18-83 Nest No. 012 Tag No. _____ Time 2300

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 2.7 (N)

Visibility good Weather Conditions clear

Wind Speed and direction B-5 Air Temperature 77°-F

Water Temperature 78°-F Time Ashore (Known or estimated) 2300

Carapace Length 41" Carapace width 33 1/2"

Carapace condition (Damages/barnacle infestation, etc.) good

Head length/width 12"-9" Right front flipper length 12"

Right rear flipper length 14" Estimated weight 220 (?)

Flipper condition (cuts, missing portions, etc.) None

Body pit length/width 10 1/2", 11" Depth to egg chamber 18"

Time of nearest low 2100 or high tide 0200

Distance of nest below _____ or above high tide line 50'

Comments: 129 eggs laid, no tags, Relocated nest 8' up sand dunes

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 6-28-83 Nest No. 022 Tag No. _____ Time 0200

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 1.0 (N)

Visibility Fair Weather Conditions Partly Cloudy

Wind Speed and direction 5-10 Knots S Air Temperature 75°F

Water Temperature 79°F Time Ashore (Known or estimated) 0200

Carapace Length _____ Carapace width _____

Carapace condition (Damages/barnacle infestation, etc.) _____

Head length/width _____ Right front flipper length _____

Right rear flipper length _____ Estimated weight _____

Flipper condition (cuts, missing portions, etc.) _____

Body pit length/width 4x5 Depth to egg chamber 10"

Time of nearest low _____ or high tide 2300

Distance of nest below _____ or above high tide line 40'

Comments: 111 eggs relocated to dunes

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

813 lbs.

Date Female Nested 6-19-83 Nest No. 015 Tag No. 814 RS Time 2200

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 2.7 (S)

Visibility Fair Weather Conditions Partly Cloudy

Wind Speed and direction 0-5 SE Air Temperature —

Water Temperature 80° F Time Ashore (Known or estimated) 2145

Carapace Length 42" Carapace width 37"

Carapace condition (Damages/barnacle infestation, etc.) good

Head length/width 12x8 Right front flipper length 18½"

Right rear flipper length 12" Estimated weight 320 lbs

Flipper condition (cuts, missing portions, etc.) good

Body pit length/width 4x5 Depth to egg chamber 16"

Time of nearest low _____ or high tide 0430

Distance of nest below _____ or above high tide line 100'

Comments: Return 90 eggs 2.7(S) relocated to 2.3 (S) same nest (cage) as #007

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 6-19-83 Nest No. 016 Tag No. 059 Time 0135

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 2.0 (N)

Visibility good Weather Conditions Fair

Wind Speed and direction 0-5 ~~knots~~ SF Air Temperature _____

Water Temperature 86° Time Ashore (Known or estimated) 0100

Carapace Length 40 Carapace width 38

Carapace condition (Damages/barnacle infestation, etc.) good

Head length/width 11/8 Right front flipper length 18

Right rear flipper length 11 Estimated weight 320 lbs

Flipper condition (cuts, missing portions, etc.) good

Body pit length/width 4x5 Depth to egg chamber 10"

Time of nearest low _____ or high tide _____

Distance of nest below _____ or above high tide line 30'

Comments: 133 eggs Relocated to 2.3(N), tagged the turtle

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 6-20-82 Nest No. 017 Tag No. 061 062 Time 2300

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 3.6 (N)

Visibility Fair, cloudy Weather Conditions Partly cloudy

Wind Speed and direction 0-5 knots Sth Air Temperature 75°F

Water Temperature 80°F Time Ashore (Known or estimated) 2245

Carapace Length 36 Carapace width 34

Carapace condition (Damages/barnacle infestation, etc.) good

Head length/width 10/7 Right front flipper length 18

Right rear flipper length 13 Estimated weight 275

Flipper condition (cuts, missing portions, etc.) good

Body pit length/width 3X4 Depth to egg chamber 9"

Time of nearest low 2330 or high tide _____

Distance of nest below _____ or above high tide line 10'

Comments: 105 eggs relocated to dunes

AS #208

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

mistake in recording #

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 6-20-83 Nest No. ~~019~~ 018 ? Tag No. ~~769~~ ~~768~~ 063 ~~064~~ Time 0230

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 2.2 (N)

Visibility Fair Weather Conditions good

Wind Speed and direction 0-5 knots SE Air Temperature 70°F

Water Temperature 80°F Time Ashore (Known or estimated) 0215

Carapace Length 39½ Carapace width 38

Carapace condition (Damages/barnacle infestation, etc.) go

Head length/width 16/7 Right front flipper length 18

Right rear flipper length 12 Estimated weight 285

Flipper condition (cuts, missing portions, etc.) good

Body pit length/width _____ Depth to egg chamber _____

Time of nearest low _____ or high tide 0530

Distance of nest below _____ or above high tide line _____

Comments: 130 eggs — Relocated to dunes
Retagged #'s ~~063~~ 768, ~~064~~ 769 - old tags
difficult to see. Originally tagged 8-1-81

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

17.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 6-24-83 Nest No. 020 Tag No. AAR 065 AAR 066 Time 2200

Date Eggs Hatched – Nest Location (Miles/tenths from Risley Pier) 2.2 N

Visibility Good Weather Conditions Fair

Wind Speed and direction 5-10 SW Air Temperature 78°F

Water Temperature 78°F Time Ashore (Known or estimated) 1 1/2 hr

Carapace Length 39 Carapace width 35 1/2

Carapace condition (Damages/barnacle infestation, etc.) Many Barnacles

Head length/width 9 x 7 Right front flipper length 16

Right rear flipper length 10 1/2 Estimated weight 250

Flipper condition (cuts, missing portions, etc.) ok

Body pit length/width 5 x 4 Depth to egg chamber 10"

Time of nearest low _____ or high tide 2100

Distance of nest below _____ or above high tide line 5 m

Comments: Relocated Nest to top of dunes - 107 Eggs

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

AAR 071

Date Female Nested 7-1-83 Nest No. 023 Tag No. IMS 716 Time 2200

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 2.6(N)

Visibility _____ Weather Conditions _____

Wind Speed and direction 5-10 KNTS E Air Temperature 75°F

Water Temperature 78°F Time Ashore (Known or estimated) 2145

Carapace Length 41 Carapace width 40

Carapace condition (Damages/barnacle infestation, etc.) _____

Head length/width _____ Right front flipper length _____

Right rear flipper length _____ Estimated weight 300+

Flipper condition (cuts, missing portions, etc.) _____

Body pit length/width _____ Depth to egg chamber _____

Time of nearest low _____ or high tide _____

Distance of nest below _____ or above high tide line _____

Comments: Turtle frightened by truck lights
Originally tagged 6-30-81

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 7-1-83 NO NEST Nest No. 026 Tag No. AAR 069 AAR 070 Time 2200

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) CO - 2.7N

Visibility Good Weather Conditions Partly Cloudy

Wind Speed and direction 5-10 SW Air Temperature 78

Water Temperature 79 Time Ashore (Known or estimated) 15 min

Carapace Length 39 1/2 Carapace width 38

Carapace condition (Damages/barnacle infestation, etc.) many

Head length/width 9 x 7 Right front flipper length 19

Right rear flipper length 14 Estimated weight 300

Flipper condition (cuts, missing portions, etc.) all good

Body pit length/width X Depth to egg chamber X

Time of nearest low _____ or high tide 0100

Distance of nest below X or above high tide line X

Comments: Turtle just coming out of water when spotted, which frightened her back to sea -

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Return 813 IMS (?)

Date Female Nested 7-1-83 Nest No. 027 Tag No. 814 Time 2130

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 4.0 N

Visibility good Weather Conditions Partly Cloudy warm

Wind Speed and direction 5-10 SW Air Temperature 78

Water Temperature 79 Time Ashore (Known or estimated) 1 1/2 hr

Carapace Length _____ Carapace width _____

Carapace condition (Damages/barnacle infestation, etc.) _____

Head length/width _____ Right front flipper length _____

Right rear flipper length _____ Estimated weight 300

Flipper condition (cuts, missing portions, etc.) good

Body pit length/width _____ Depth to egg chamber 8"

Time of nearest low _____ or high tide 0100

Distance of nest below _____ or above high tide line 30 m

Comments: 138 Eggs moved to better spot

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 7-2-83 Nest No. 028 Tag No. ~~AAR 071~~ JMS 716 Time 2200

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 2.3 (N)

Visibility good Weather Conditions Partly Cloudy

Wind Speed and direction 5-10 SW Air Temperature 78

Water Temperature 80 Time Ashore (Known or estimated) 45 min

Carapace Length _____ Carapace width _____

Carapace condition (Damages/barnacle infestation, etc.) _____

Head length/width _____ Right front flipper length _____

Right rear flipper length _____ Estimated weight _____

Flipper condition (cuts, missing portions, etc.) _____

Body pit length/width _____ Depth to egg chamber _____

Time of nearest low _____ or high tide 0100

Distance of nest below _____ or above high tide line _____

Comments: disturbed turtle when tagging
17 Eggs moved to share cage

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

nest → 7-1-83

Date Female Nested 6-30-83 Nest No. ~~025~~ 031 Tag No. ~~067~~ 068 Time 0200

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 2.1 (N) 0.0 (S)

Visibility good Weather Conditions Partly Cloud

Wind Speed and direction 0-5 kn SE Air Temperature 75°F

Water Temperature 78°F Time Ashore (Known or estimated) 0200

Carapace Length 39" Carapace width 34"

Carapace condition (Damages/barnacle infestation, etc.) good

Head length/width 9/7 Right front flipper length 16

Right rear flipper length 13 Estimated weight 275

Flipper condition (cuts, missing portions, etc.) good

Body pit length/width _____ Depth to egg chamber _____

Time of nearest low _____ or high tide _____

Distance of nest below _____ or above high tide line _____

Comments: (6-10-83 C.O.) 134 Eggs moved to 0.1 (N)

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

7-2-83

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 7-3-83 Nest No. 036 Tag No. AAR-059 060 Time 2245

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 2-3(N) 0.7

Visibility good Weather Conditions Fair

Wind Speed and direction 5-10 SW Air Temperature 82

Water Temperature 82 Time Ashore (Known or estimated) 1 hr

Carapace Length _____ Carapace width _____

Carapace condition (Damages/barnacle infestation, etc.) _____

Head length/width _____ Right front flipper length _____

Right rear flipper length _____ Estimated weight _____

Flipper condition (cuts, missing portions, etc.) _____

Body pit length/width 5 x 4 Depth to egg chamber 10"

Time of nearest low _____ or high tide 0100

Distance of nest below _____ or above high tide line 25 m

Comments: 135 Eggs relocated

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

7-2-83

Marine Corps Base
Camp Lejeune, North Carolina

Date Female ~~Nested~~ 7-3-83 Nest No. 037 Tag No. 817 (64) Time 2315

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 3.0 (N)

Visibility good Weather Conditions Fair

Wind Speed and direction 5-10 SW Air Temperature 82

Water Temperature 82 Time Ashore (Known or estimated) 30 min

Carapace Length 38 Carapace width 36

Carapace condition (Damages/barnacle infestation, etc.) _____

Head length/width 9x7 Right front flipper length 11 bitten off

Right rear flipper length 13 Estimated weight 275-300

Flipper condition (cuts, missing portions, etc.) RF

Body pit length/width (2) ~~4~~x3 3x3 Depth to egg chamber X

Time of nearest low _____ or high tide _____

Distance of nest below _____ or above high tide line _____

Comments: Did not nest 2 body pits

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

7-3-83

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 7-3-83 Nest No. 038 Tag No. AAR 072 073 Time 2330

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 1.5(S) rel to 0.6(N)

Visibility good Weather Conditions Fair

Wind Speed and direction 5-10 SW Air Temperature 81

Water Temperature 82 Time Ashore (Known or estimated) 1 hr

Carapace Length 43 Carapace width 41 1/2

Carapace condition (Damages/barnacle infestation, etc.) _____

Head length/width 10/9 Right front flipper length 17

Right rear flipper length 14 Estimated weight 325

Flipper condition (cuts, missing portions, etc.) _____

Body pit length/width 5 x 5 Depth to egg chamber 12"

Time of nearest low _____ or high tide 0100

Distance of nest below _____ or above high tide line 15m

Comments: 137 Eggs relocated to 0.6(N) in same cage as 039

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 7-3-83 Nest No. 039 Tag No. ~~AAR-07~~ 716 Time 0145

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 0.6 (N)

Visibility good Weather Conditions Fair

Wind Speed and direction 5-10 SW Air Temperature 78

Water Temperature 82 Time Ashore (Known or estimated) 1 hr

Carapace Length _____ Carapace width _____

Carapace condition (Damages/barnacle infestation, etc.) _____

Head length/width _____ Right front flipper length _____

Right rear flipper length _____ Estimated weight _____

Flipper condition (cuts, missing portions, etc.) _____

Body pit length/width _____ Depth to egg chamber _____

Time of nearest low _____ or high tide 0100

Distance of nest below _____ or above high tide line 25 m

Comments: 99 Eggs relocated to nest 038 cag turtle up to finish laying-

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 7-8-83 Nest No. 045 Tag No. 074 075 Time 0035

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 0.4 (N)

Visibility _____ Weather Conditions _____

Wind Speed and direction _____ Air Temperature _____

Water Temperature _____ Time Ashore (Known or estimated) _____

Carapace Length 39 1/2" Carapace width 35

Carapace condition (Damages/barnacle infestation, etc.) _____

Head length/width 11" / 8 1/2" Right front flipper length 17"

Right rear flipper length 13" Estimated weight 200

Flipper condition (cuts, missing portions, etc.) — ✓

Body pit length/width 7X8 Depth to egg chamber 8"

Time of nearest low 0 1330 or high tide _____

Distance of nest below _____ or above high tide line 8'

Comments: _____

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 7-11-83 Nest No. 049 Tag No. ~~066~~ 065 Return 066 Time 0130

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 2.3 (N)

Visibility Good Weather Conditions Partly Cloudy

Wind Speed and direction 0-5 knots E Air Temperature 78°F

Water Temperature 79°F Time Ashore (Known or estimated) 0100

7.1
4.8
23

Carapace Length _____ Carapace width _____

Carapace condition (Damages/barnacle infestation, etc.) _____

Head length/width _____ Right front flipper length _____

Right rear flipper length _____ Estimated weight _____

Flipper condition (cuts, missing portions, etc.) _____

Body pit length/width 4x5 Depth to egg chamber _____

Time of nearest low 0400 or high tide _____

Distance of nest below _____ or above high tide line 70'

Comments: 101 eggs Return 065, 066
put in same cage as nest #050

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

Did not Tag

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 7-14-83 Nest No. 651 Tag No. 824 Time ____

Date Eggs Hatched ____ Nest Location (Miles/tenths from Risley Pier) 4.2N

Visibility good Weather Conditions Clear

Wind Speed and direction ____ Air Temperature ____

Water Temperature ____ Time Ashore (Known or estimated) 0100

Carapace Length 34 Carapace width 32

Carapace condition (Damages/barnacle infestation, etc.) good

Head length/width 8/6 Right front flipper length 15

Right rear flipper length 12 Estimated weight 175-200

Flipper condition (cuts, missing portions, etc.) ____

Body pit length/width ____ Depth to egg chamber ____

Time of nearest low ____ or high tide ____

Distance of nest below ____ or above high tide line ____

Comments: Did not tag turtle as correct tags were not available (??)

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 7-16-83 Nest No. 056 Tag No. 820 821 Time 2130

Date Eggs Hatched — Nest Location (Miles/tenths from Risley Pier) .8(N)

Visibility good Weather Conditions Fair

Wind Speed and direction 15 Knots from S. Air Temperature —

Water Temperature _____ Time Ashore (Known or estimated) _____

Carapace Length 40" Carapace width 34"

Carapace condition (Damages/barnacle infestation, etc.) Barnacles

Head length/width 10" - 8" Right front flipper length 17 3/4

Right rear flipper length 13" Estimated weight 190 Lbs

Flipper condition (cuts, missing portions, etc.) None

Body pit length/width 4' x 3' Depth to egg chamber 15"

Time of nearest low 1900 or high tide _____

Distance of nest below _____ or above high tide line ON TIDELINE

Comments: _____

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 7-16-83 Nest No. 057 Tag No. 822 823 Time 2400

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 2.3(N)

Visibility good Weather Conditions Clear

Wind Speed and direction 15 Knots (S.-W.) Air Temperature _____

Water Temperature _____ Time Ashore (Known or estimated) _____

Carapace Length 39" Carapace width 35 3/4"

Carapace condition (Damages/barnacle infestation, etc.) BARNACLES

Head length/width 13" - 8 1/2" Right front flipper length 18 1/2"

Right rear flipper length 16" Estimated weight 200

Flipper condition (cuts, missing portions, etc.) None

Body pit length/width 8"X4" Depth to egg chamber 13"

Time of nearest low 1900 or high tide 0200

Distance of nest below _____ or above high tide line ON Tide Line

Comments: 117 eggs

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

69.57

68.4

68.9

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 7-17-83 Nest No. 065 Tag No. IMS-766 (MAR 071) Time 2330

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 0.4 mi

Visibility Good Weather Conditions Partly cloudy

Wind Speed and direction 0-5 Knots S Air Temperature 80° F

Water Temperature 80°F Time Ashore (Known or estimated) 2315

Carapace Length 40 Carapace width 39

Carapace condition (Damages/barnacle infestation, etc.) good

Head length/width 11/9 Right front flipper length 18

Right rear flipper length 13 Estimated weight _____

Flipper condition (cuts, missing portions, etc.) _____

Body pit length/width 6 by 7 Depth to egg chamber 1½'

Time of nearest low _____ or high tide 0300

Distance of nest below _____ or above high tide line 35'

Comments: 161 eggs relocated to dune

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

076; 078

Date Female Nested 7-21-83 Nest No. 067 Tag No. 076 078 Time 2400

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 1.8 mi (S)

Visibility Good Weather Conditions Fair

Wind Speed and direction 10-15 knots S Air Temperature 83°F

Water Temperature 80°F Time Ashore (Known or estimated) 2400

Carapace Length 42 Carapace width 39½

Carapace condition (Damages/barnacle infestation, etc.) _____

Head length/width 11" x 8" Right front flipper length 20"

Right rear flipper length 16" Right stump Estimated weight 350

Flipper condition (cuts, missing portions, etc.) Missing Right Rear Flipper

Body pit length/width _____ Depth to egg chamber _____

Time of nearest low _____ or high tide _____

Distance of nest below _____ or above high tide line _____

Comments: C-O. Tagged turtle

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

87

5.0

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 7-27-83 Nest No. 069 Tag No. AAR 078 080 Time _____

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 3.7(N)

Visibility Fair Weather Conditions Partly cloudy

Wind Speed and direction 10-15 knots E Air Temperature 77°F

Water Temperature 78°F Time Ashore (Known or estimated) 2330

Carapace Length 33 Carapace width 32

Carapace condition (Damages/barnacle infestation, etc.) good

Head length/width 9/7 Right front flipper length 18

Right rear flipper length 12 Estimated weight _____

Flipper condition (cuts, missing portions, etc.) good

Body pit length/width _____ Depth to egg chamber _____

Time of nearest low _____ or high tide _____

Distance of nest below _____ or above high tide line _____

Comments: Tagged turtle AAR 079, 080 - The wind appeared to bother the turtle

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 7-28-83 Nest No. 072 Tag No. DMS 817 ~~DMS 004~~ Time 2275

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 2.3 (N)

Visibility good Weather Conditions clear

Wind Speed and direction 5-10 Knots E Air Temperature 80°F

Water Temperature 88°F Time Ashore (Known or estimated) 2301

Carapace Length _____ Carapace width _____

Carapace condition (Damages/barnacle infestation, etc.) _____

Head length/width _____ Right front flipper length _____

Right rear flipper length _____ Estimated weight _____

Flipper condition (cuts, missing portions, etc.) _____

Body pit length/width 4x5 Depth to egg chamber _____

Time of nearest low _____ or high tide 2300

Distance of nest below _____ or above high tide line _____

Comments: C.O. 1 body pit A Layer of shells about 6-8" deep seemed to impede nest digging

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 7-28-83 Nest No. 072 Tag No. JMS 817 ~~JMS 064~~ Time 2225

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 2.3 (N)

Visibility good Weather Conditions clear

Wind Speed and direction 5-10 knots E Air Temperature 80F

Water Temperature 80°F Time Ashore (Known or estimated) 2301

Carapace Length _____ Carapace width _____

Carapace condition (Damages/barnacle infestation, etc.) _____

Head length/width _____ Right front flipper length _____

Right rear flipper length _____ Estimated weight _____

Flipper condition (cuts, missing portions, etc.) _____

Body pit length/width 4x5 Depth to egg chamber _____

Time of nearest low _____ or high tide 2300

Distance of nest below _____ or above high tide line _____

Comments: C.U. 1 body pit A Layer of shells about 6-8" deep seemed to impede nest digging

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 7-29-83 Nest No. 077 Tag No. 081 082 Time 1230

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 2.9 (N)

Visibility poor Weather Conditions cldy

Wind Speed and direction 12 Knots Air Temperature _____

Water Temperature 76° F Time Ashore (Known or estimated) 1½ hr.

Carapace Length 38½" Carapace width 36"

Carapace condition (Damages/barnacle infestation, etc.) Barnacles

Head length/width 9½" - 7¾" Right front flipper length 17¾"

Right rear flipper length 12" Estimated weight 300

Flipper condition (cuts, missing portions, etc.) NONE

Body pit length/width 5'/4' Depth to egg chamber 10"

Time of nearest low ~~[illegible]~~ or high tide 1200

Distance of nest below _____ or above high tide line 12"

Comments: _____

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 7-30-83 Nest No. 080 # 083 Tag No. 084 Time 2300

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 2.2 N

Visibility good Weather Conditions Fair

Wind Speed and direction 10K SE Air Temperature 78° F

Water Temperature 76° F Time Ashore (Known or estimated) 1 hr.

Carapace Length 36" Carapace width 28 1/2"

Carapace condition (Damages/barnacle infestation, etc.) BARNACLES

Head length/width 8 1/2"/6 1/2" Right front flipper length 13 1/2"

Right rear flipper length 10 1/2" Estimated weight 180 LBS

Flipper condition (cuts, missing portions, etc.) good

Body pit length/width 3 1/2 x 2 1/2' Depth to egg chamber 14"

Time of nearest low _____ or high tide 0100

Distance of nest below _____ or above high tide line 15'

Comments: _____

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 8-5-83 Nest No. #084 Tag No. #085 #086 Time 2210

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) _____

Visibility good Weather Conditions clear

Wind Speed and direction 15-20 knots Air Temperature 80°F

Water Temperature 74°f Time Ashore (Known or estimated) _____

Carapace Length 39 1/2" Carapace width 34"

Carapace condition (Damages/barnacle infestation, etc.) good, bar nacles

Head length/width 9" x 7" Right front flipper length 17 1/4"

Right rear flipper length 15 1/4" Estimated weight 270

Flipper condition (cuts, missing portions, etc.) none

Body pit length/width 6' x 4" Depth to egg chamber 18"

Time of nearest low 2000 or high tide _____

Distance of nest below 40' or above high tide line _____

Comments: _____

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

SEA TURTLE INVENTORY
(Nesting Data)

AAR069 70
AAR070

Marine Corps Base
Camp Lejeune, North Carolina

Date Female Nested 8-12-83 Nest No. 088 Tag No. _____ Time 0130

Date Eggs Hatched _____ Nest Location (Miles/tenths from Risley Pier) 3.5 N

Visibility Fair Weather Conditions Cldy

Wind Speed and direction _____ Air Temperature _____

Water Temperature _____ Time Ashore (Known or estimated) 40 min.

Carapace Length 38" Carapace width 34"

Carapace condition (Damages/barnacle infestation, etc.) Barnacles

Head length/width 11"/7" Right front flipper length 17"

Right rear flipper length 13" Estimated weight 240

Flipper condition (cuts, missing portions, etc.) Good

Body pit length/width 4'/3' Depth to egg chamber 14"

Time of nearest low _____ or high tide 0030

Distance of nest below _____ or above high tide line 50'

Comments: _____

Summary of Instructions: Conduct tagging and collection of pertinent nesting data during peak nesting periods beginning approximately two nights prior to each full moon, June through August. Begin survey one-half hour after high tide. Attempt to tag nesting turtles after they have begun depositing eggs in egg chamber. Use lights only sparingly in accomplishing the operation.

HUGH PASSINGHAM
WORK SCHEDULE

Date	Time	Duty
21 June 1983	1000-1630	Check in, Physical, Driver's License issuance
23 June 1983	2000-0400	Beach Protecting nests and tagging turtles
24 June 1983	2000-0400	" " "
25 June 1983	2000-0400	" " "
30 June 1983	2000-0400	Beach Protecting nests and tagging turtles
1 July 1983	2000-0400	" " "
2 July 1983	2000-0400	" " "
14 July 1983	2000-0400	Beach Protecting nests and tagging turtles
15 July 1983	2000-0400	" " "
16 July 1983	2000-0400	" " "
21 July 1983	2000-0400	Beach Protecting nests and tagging turtles
22 July 1983	2000-0400	" " "
23 July 1983	2000-0400	" " "
28 July 1983	2000-0400	Beach Protecting nests and tagging turtles
29 July 1983	2000-0400	" " "
30 July 1983	2000-0400	" " "
4 August 1983	2000-0400	Beach Protecting nests and tagging turtles
5 August 1983	2000-0400	" " "
6 August 1983	2000-0400	" " "
11 August 1983	2000-0400	Beach Protecting nests and tagging turtles
12 August 1983	2000-0400	" " "
13 August 1983	2000-0400	" " "
15 August 1983		Office working on 1983 report
16 August 1983		" "
17 August 1983		" " , Check out

ENCLOSURE (1)

(HELICOPTER)
NEW RIVER, JACKSONVILLE
NORTH CAROLINA 28545

Hugh

214/JCW/adp
3146
10 DEC 1982

CLIMATOLOGICAL DATA FOR THE MONTH OF JUNE 1983

1. TEMPERATURE
   a. Mean monthly temperature.....76.0
   b. Mean daily maximum temperature.....84.5
   c. Mean daily minimum temperature.....67.1
   d. Extreme maximum temperature recorded for June.....101 (1981)
   e. Extreme minimum temperature recorded for June.....45 (1966)

2. HUMIDITY
   a. Mean Relative Humidity.....72.8%

3. PRECIPITATION
   a. Mean monthly rainfall.....5.94"
   b. Mean no. days with .01" or more.....10 days
   c. Maximum amount of rainfall recorded for June.....11.82" (1965)
   d. Minimum amount of rainfall recorded for June.....2.39" (1968)
   e. Maximum amount of rainfall recorded in 24 hours.....2.77" (1974)

4. THUNDERSTORMS
   A. Percentage frequency of hourly occurrence.....2.5%

5. FOG
   a. Percentage frequency of hourly occurrence.....17.2%

6. WIND
   a. Prevailing direction.....SOUTHWEST
   b. Mean speed.....4.7 knots
   c. Peak gust recorded for June.....53 knots (1962)

7. CLOUD COVER AND VISIBILITY
   a. Mean monthly cloud cover.....6.4 tenths
   b. Percent ceiling greater than 500'.....98.4%
   c. Percent ceiling greater than 1000'.....94.8%
   d. Percent ceiling greater than 3000'.....76.8%
   e. Percent ceiling greater than 5000'.....71.8%
   f. Percent visibility greater than 1 mile.....98.7%
   g. Percent visibility greater than 3 miles.....96.3%
   h. Percent visibility greater than 5 miles.....87.7%

8. FIELD CONDITIONS
   a. IFR-ceiling less than 1000' and/or visibility below 3 mi...7.2%
   b. BELOW MINS-ceiling below 200' and/or visibility below ½mi..0.3%

WEATHER SERVICE DIVISION
OPERATIONS DEPARTMENT
MARINE CORPS AIR STATION
(HELICOPTER)
NEW RIVER, JACKSONVILLE
NORTH CAROLINS 28545

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ASTRONOMICAL DATA FOR THE MONTH OF APRIL 1983

DATE	SUNRISE	SUNSET	MOONRISE	MOONSET	PHASE	% OF ILLUM
1	0558	1831	2227	0817		.88
2	0557	1832	2326	0854		.81
3	0555	1833		0935		.72
4	0554	1834	0024	1020	1/2	.63
5	0552	1834	0116	1110		.53
6	0551	1835	0205	1202		.44
7	0550	1836	0248	1257		.35
8	0548	1837	0326	1353	1/4	.26
9	0547	1837	0401	1451		.18
10	0546	1838	0432	1549		.11
11	0544	1839	0501	1648		.06
12	0543	1840	0530	1749	NEW	.02
13	0542	1841	0559	1851		.00
14	0540	1841	0630	1954		.01
15	0539	1842	0703	2100	1/4	.03
16	0538	1843	0742	2207		.08
17	0537	1844	0825	2313		.15
18	0535	1845	0926			.24
19	0534	1845	1016	0016	1/2	.35
20	0533	1847	1121	0114		.46
21	0532	1847	1229	0205		.57
22	0530	1848	1338	0251	3/4	.68
23	0529	1849	1446	0329		.78
24	0528	1849	1553	0404		.87
25	0527	1850	1659	0437		.94
26	0526	1851	1804	0508	FULL	.98
27	0525	1852	1908	0540		1.00
28	0524	1853	2011	0613		.99
29	0523	1853	2112	0648	3/4	.97
30	0521	1854	2211	0728		.92

ALL TIMES ARE EASTERN STANDARD TIME

NOTE: FOR BEGINNING OF MORNING CIVIL TWILIGHT, SUBTRACT 27 MINUTES FROM SUNRISE. FOR END OF EVENING CIVIL TWILIGHT, ADD 27 MINUTES TO SUNSET.

MARINE CORPS AIR STATION
(HELICOPTER)
NEW RIVER, JACKSONVILLE
NORTH CAROLINA 28545

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CLIMATOLOGICAL DATA FOR THE MONTH OF APRIL 1983

1. TEMPERATURE
   a. Mean monthly temperature.....62.3
   b. Mean daily maximum temperature.....73.2
   c. Mean daily minimum temperature.....50.8
   d. Mean no. days temperature 32 or less.....1 day
   e. Extreme maximum temperature recorded for April.....93 (1967)
   f. Extreme minimum temperature recorded for April.....26 (1972)

2. HUMIDITY
   a. Mean Relative Humidity.....65.2%

3. PRECIPITATION
   a. Mean monthly rainfall.....2.93"
   b. Mean no. days with .01 or more.....9 days
   c. Maximum amount of rainfall recorded for April.....6.53" (1978)
   d. Minimum amount of rainfall recorded for April..... .50" (1976)
   e. Maximum precipitation recorded in 24 hours.....4.33"

4. THUNDERSTORMS
   a. Percentage frequency of hourly occurrence.....0.7%

5. FOG
   a. Percentage frequency of hourly occurrence.....11.2%

6. WIND
   a. Prevailing direction.....SOUTHWEST
   b. Mean speed.....6.2 knots
   c. Peak gust recorded for April.....46 knots (1960)

7. CLOUD COVER AND VISIBILITY
   a. Mean monthly cloud cover.....4.5 tenths
   b. Percent ceiling greater than 500'.....99.3%
   c. Percent ceiling greater than 1000'.....96.0%
   d. Percent ceiling greater than 3000'.....87.1%
   e. Percent ceiling greater than 5000'.....80.9%
   f. Percent visibility greater than 1 mile.....99.9%
   g. Percent visibility greater than 3 miles.....98.0%
   h. Percent visibility greater than 5 miles.....94.0%

8. FIELD CONDITIONS
   a. IFR-ceiling less than 1000' and/or visibility below 3 mi...4.8%
   b. BELOW MINS- ceiling less than 200' and/or visibility below ½mi..0.2%

OPERATIONS DEPARTMENT
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(HELICOPTER)
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CLIMATOLOGICAL DATA FOR THE MONTH OF MAY 1983

1. TEMPERATURE

a. Mean monthly temperature.....69.9
b. Mean daily maximum temperature.....79.6
c. Mean daily minimum temperature.....59.7
d. Extreme maximum temperature recorded for May.....98 (1962)
e. Extreme minimum temperature recorded for May.....32 (1963)

2. HUMIDITY

a. Mean relative humidity.....72.6%

3. PRECIPITATION

a. Mean monthly rainfall.....4.15"
b. Mean no. days with .01" or more.....10 days
c. Maximum amount of rainfall recorded for May.....8.36" (1974)
d. Minimum amount of rainfall recorded for May.....1.71" (1975)
e. Maximum amount of rainfall recorded in 24 hours.....3.87" (1977)

4. THUNDERSTORMS

a. Percentage frequency of hourly occurrence.....1.4%

5. FOG

a. Percentage frequency of hourly occurrence.....16.3%

6. WIND

a. Prevailing direction.....SOUTHWEST
b. Mean speed.....5.3 knots
c. Peak gust recorded for May.....48 (1968)

7. CLOUD COVER AND VISIBILITY

a. Mean monthly cloud cover.....6.1 tenths
b. Percent ceiling greater than 500'.....98.1%
c. Percent ceiling greater than 1000'.....95.2%
d. Percent ceiling greater than 3000'.....80.1%
e. Percent ceiling greater than 5000'.....71.3%
f. Percent visibility greater than 1 mile.....98.7%
g. Percent visibility greater than 3 miles.....96.6%
h. Percent visibility greater than 5 miles.....88.9%

8. FIELD CONDITIONS

a. IFR-ceiling less than 1000' and/or visibility below 3 mi...6.5%
b. BELOW MINS-ceiling less than 200' and/or visibility below ½ mi...1.4%

WEATHER SERVICES DIVISION
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ASTRONOMICAL DATA FOR THE MONTH OF JUNE 1983

DATE	SUNRISE	SUNSET	MOONRISE	MOONSET	PHASE	% OF ILLUM
1	0458	1918	2359	0931		.76
2	0458	1919		1028	1/2	.68
3	0458	1919	0032	1125		.58
4	0458	1920	0102	1222		.49
5	0457	1920	0131	1319		.39
6	0457	1921	0158	1418	1/4	.30
7	0457	1921	0227	1521		.21
8	0457	1922	0258	1625		.13
9	0457	1922	0332	1733		.06
10	0457	1923	0411	1842	NEW	.02
11	0457	1923	0457	1952		.00
12	0456	1923	0553	2058		.01
13	0456	1924	0658	2156	1/4	.05
14	0457	1924	0807	2247		.11
15	0457	1925	0919	2332		.20
16	0457	1925	1029		1/2	.30
17	0457	1926	1137	0009		.41
18	0457	1926	1242	0043		.52
19	0457	1926	1346	0113		.63
20	0457	1926	1448	0144	3/4	.73
21	0457	1927	1550	0214		.82
22	0458	1927	1651	0247		.89
23	0458	1927	1751	0322		.95
24	0458	1927	1849	0402	FULL	.98
25	0458	1927	1944	0445		1.00
26	4059	1927	2034	0535		1.00
27	0459	1927	2119	0628		.97
28	0459	1927	2158	0723	3/4	.94
29	0500	1927	2233	0819		.88
30	0500	1927	2303	0916		.81

ALL TIMES ARE EASTERN STANDARD TIME

NOTE: FOR BEGINNGING OF MORNING CIVIL TWILIGHT, SUBTRACT 27 MINUTES FROM SUNRISE. FOR END OF EVENING CIVIL TWILIGHT, ADD 27 MINUTES TO SUNSET.

WEATHER SERVICES DIVISION
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ASTRONOMICAL DATA FOR THE MONTH OF MAY 1983

DATE	SUNRISE	SUNSET	MOONRISE	MOONSET	PHASE	% OF ILLUM
1	0520	1855	2307	0812		.86
2	0519	1856	2358	0859		.78
3	0518	1857		0951	1/2	.70
4	0517	1857	0044	1045		.61
5	0516	1858	0124	1142		.51
6	0515	1859	0200	1239		.42
7	0514	1900	0232	1336	1/4	.33
8	0513	1901	0302	1434		.24
9	0513	1901	0330	1534		.16
10	0512	1902	3059	1636		.09
11	0511	1903	0429	1739	NEW	.04
12	0510	1904	0501	1845		.01
13	0509	1904	0522	1953		.00
14	0508	1905	0620	2102		.02
15	0508	1905	0709	2209	1/4	.06
16	0507	1907	0808	2309		.13
17	0506	1908	0912	0003		.22
18	0505	1908	1021		1/2	.32
19	0505	1909	1130	0051		.43
20	0504	1910	1238	0131		.55
21	0504	1911	1344	0207		.66
22	0503	1911	1449	0239	3/4	.76
23	0502	1912	1552	0310		.85
24	0502	1913	1655	0341		.92
25	0501	1913	1758	0412	FULL	.96
26	0501	1914	1900	0446		.99
27	0500	1915	2000	0523		1.00
28	0500	1915	2057	0605		.98
29	0459	1916	2151	0651	3/4	.95
30	0459	1917	2249	0742		.90
31	0459	1917	2327	0835		.84

ALL TIMES ARE EASTERN STANDARD TIME

NOTE: FOR BEGINNING OF MORNING CIVIL TWILIGHT, SUBTRACT 27 MINUTES FROM SUNRISE. FOR END OF EVENING CIVIL TWILIGHT, ADD 27 MINUTES TO SUNSET.

WEATHER SERVICES DIVISION
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MARINE CORPS AIR STATION
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MONTH OF APRIL
TIDAL DATA FOR NEW RIVER INLET N.C.

DATE	TIME	HT.	TIME	HT.	TIME	HT.	TIME	HT.
1	0413	0.0	1019	2.9	1618	0.0	2244	3.3
2	0501	0.2	1103	2.7	1701	0.2	2331	3.1
3	0552	0.3	1153	2.6	1749	0.4		
4	0019	2.9	0646	0.4	1245	2.4	1840	0.5
5	0115	2.8	0745	0.5	1349	2.3	2141	0.5
6	0213	2.7	0842	0.4	1450	2.3	2043	0.4
7	0313	2.7	0938	0.3	1546	2.3	2143	0.3
8	0405	2.7	1026	0.2	1635	2.4	2236	0.2
9	0454	2.7	1108	0.0	1720	2.6	2324	0.0
10	0538	2.7	1147	-.1	1802	2.7		
11	0006	-.2	0619	2.7	1224	-.2	1835	2.9
12	0048	-.3	0657	2.8	1259	-.3	1916	3.0
13	0128	-.3	0737	2,8	1334	-.3	1956	3.2
14	0207	-.3	0814	2.8	1410	-.3	2034	3.3
15	0249	-.2	0853	2.8	1449	-.2	2116	3.4
16	0334	-.1	0937	2.8	1531	-.1	2202	3.4
17	0422	0.1	1026	2.8	1619	0.1	2254	3.4
18	0517	0.2	1119	2.8	1717	0.2	2353	3.3
19	0618	0.3	1224	2.9	1823	0.4		
20	0059	3.3	0725	0.4	1334	2.8	1937	0.4
21	0209	3.2	0834	0.4	1447	2.9	2053	0.4
22	0318	3.3	0939	0.3	1554	3.1	2201	0.2
23	0423	3.3	1036	0.1	1653	3.3	2303	0.1
24	0520	3.3	1127	0.0	1746	3.4	2359	-.1
25	0610	3.3	1216	-.1	1836	3.6		
26	0049	-.2	0700	3.2	1301	-.2	1923	3.6
27	0137	-.2	0745	3.2	1343	-.2	2006	3.6
28	0223	-.2	0827	3.0	1423	-.1	2047	3.5
29	0307	-.1	0909	2.9	1504	0.0	2128	3.4
30	0350	0.0	0951	2.8	1544	0.1	2212	3.2

ALL TIMES ARE IN EASTERN STANDARD TIME

BOUGE INLET TIDES: SUBTRACT 3 MIN. FOR HIGH TIDE. SUBTRACT 0.8 FT. FROM HIGH TIDE HT. SUBTRACT 2 MIN. FOR LOW TIDE, NO HT. CORRECTION FOR LOW TIDE.

NEW TOPSAIL TIDES: ADD 4 MIN. FOR HIGH TIDE. ADD 43 MIN. FOR LOW TIDE. NO HT. CORRECTION FOR HIGH OR LOW TIDE.

WEATHER SERVICES DIVISION
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10 DEC 1982

MONTH OF MAY
TIDAL DATA FOR NEW RIVER INLET N.C.

DATE	TIME	HT.	TIME	HT.	TIME	HT.	TIME	HT.
1	0434	0.2	1036	2.6	1627	0.3	2256	3.1
2	0520	0.3	1124	2.5	1714	0.4	2341	2.9
3	0607	0.3	1214	2.4	1804	0.5		
4	0032	2.8	0700	0.4	1309	2.4	1901	0.5
5	0122	2.7	0754	0.4	1408	2.4	2001	0.5
6	0222	2.6	0846	0.3	1502	2.4	2101	0.4
7	0318	2.6	0933	0.2	1552	2.6	2156	0.2
8	0408	2.6	1017	0.0	1637	2.7	2246	0.0
9	0454	2.6	1059	-.1	1722	2.9	2332	-.1
10	0540	2.6	1140	-.2	1803	3.0		
11	0019	-.2	0622	2.7	1218	-.3	1835	3.2
12	0101	-.3	0706	2.8	1301	-.3	1928	3.4
13	0147	-.3	0749	2.8	1343	-.3	2012	3.5
14	0232	-.3	0835	2.8	1428	-.2	2058	3.5
15	0322	-.2	0925	2.9	1518	-.1	2149	3.5
16	0411	0.0	1017	2.9	1611	0.1	2244	3.5
17	0507	0.1	1115	2.9	1712	0.2	2342	3.4
18	0607	0.2	1218	3.0	1818	0.3		
19	0048	3.3	0710	0.3	1327	3.0	2930	0.4
20	0155	3.2	0813	0.3	1435	3.1	2043	0.4
21	0229	3.2	0914	0.2	1536	3.2	2149	0.3
22	0401	3.1	1009	0.1	1635	3.3	2249	0.1
23	0458	3.1	1101	0.0	1726	3.4	2342	0.0
24	0549	3.0	1148	-.1	1815	3.5		
25	0032	-.1	0636	2.9	1232	-.1	1859	3.5
26	0119	-.1	0721	2.8	1314	-.1	1940	3.4
27	0204	-.1	0804	2.7	1355	-.1	2024	3.3
28	0246	-.1	0845	2.6	1437	0.0	2104	3.2
29	0326	-.1	0927	2.6	1517	0.1	2143	3.1
30	0408	0.0	1009	2.5	1559	0.2	2226	3.0
31	0451	0.1	1055	2.4	1643	0.3	2308	2.8

ALL TIMES ARE IN EASTERN STANDARD TIME

BOUGE INLET TIDES: SUBTRACT 3 MIN. FOR HIGH TIDE. SUBTRACT 0.8 FT. FROM HIGH TIDE HT. SUBTRACT 2 MIN. FOR LOW TIDE, NO HT. CORRECTION FOR LOW TIDE.

NEW TOPSAIL TIDES: ADD 4 MIN. FOR HIGH TIDE. ADD 43 MIN. FOR LOW TIDE. NO HT. CORRECTION FOR HIGH OR LOW TIDE.

WEATHER SERVICES DIVISION
OPERATIONS DEPARTMENT
MARINE CORPS AIR STATION
(HELICOPTER)
NEW RIVER, JACKSONVILLE
NORTH CAROLINA 28545

214/JCW/adp
3146
10 DEC 1982

MONTH OF JUNE
TIDAL DATA FOR NEW RIVER INLET N.C.

DATE	TIME	HT.	TIME	HT.	TIME	HT.	TIME	HT.
1	0533	0.2	1140	2.4	1730	0.4	2332	2.7
2	0617	0.2	1230	2.4	1823	0.4		
3	0042	2.6	0703	0.2	1322	2.4	1920	0.4
4	0133	2.5	0749	0.2	1414	2.5	2018	0.3
5	0226	2.5	0838	0.1	1503	2.6	2115	0.2
6	0319	2.4	0924	0.0	1552	2.8	2207	0.1
7	0411	2.5	1011	-.1	1640	3.0	2258	-.1
8	0501	2.5	1058	-.2	1730	3.1	2350	-.2
9	0550	2.6	1143	-.3	1816	3.3		
10	0039	-.3	0639	2.7	1232	-.4	1906	3.5
11	0126	-.4	0729	2.8	1322	-4	1955	3.5
12	0217	-.3	0820	2.9	1414	-.3	2046	3.5
13	0307	-.3	0913	3.0	1508	-.2	2138	3.5
14	0400	-.2	1009	3.0	1606	-.1	2234	3.5
15	0455	-.1	1107	3.1	1707	0.1	2331	3.4
16	0551	0.1	1208	3.1	1810	0.2		
17	0032	3.3	0650	0.2	1310	3.2	1919	0.3
18	0134	3.1	0748	0.2	1414	3.2	2026	0.3
19	0236	3.0	0846	0.2	1516	3.3	2132	0.3
20	0336	2.9	0940	0.1	1614	3.3	2233	0.2
21	0432	2.8	1033	0.1	1704	3.3	2326	0.1
22	0525	2.7	1121	0.0	1752	3.3		
23	C016	0.0	0613	2.6	1207	0.0	1837	3.3
24	0101	-.1	0659	2.6	1249	-.1	1920	3.2
25	0143	-.1	0743	2.5	1331	-.1	2000	3.1
26	0223	-.2	0824	2.5	1412	-.1	2039	3.1
27	0302	-.1	0904	2.5	1452	0.0	2116	3.0
28	0339	-.1	0943	2.4	1534	0.1	2154	2.9
29	0416	-.1	1023	2.4	1614	0.1	2234	2.8
30	0456	0.0	1105	2.4	1658	0.2	2314	2.7

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First ~~copies~~

originals - collected data
at Beach -

2nd copy - Patterson

From Log for
COOP - Turtle Project -
cooperative marine turtle Tagging
Program Tagging data
(nesting turtles)

Statement of - Sam F. Poole, Wildlife Biologist, Civilian GS-7

Nest number 022, was checked for hatching success on 2 September 1983 and no eggs were present. Seventy-one days after the female laid 111 eggs at 1.0(N) of Risley Pier. The final hatching success check was made on 7 September 1983. This final check revealed no eggs in the nest cavity, the pit was dug out and the hole enlarged to approximately 4' x 4'; with still no eggs, turtle egg shells, or young turtles found. A search was conducted at the next dune, and up and down the beach, for egg fragments or young turtles of the season and none were found. The protective wire nest cover had been moved.

Sam F. Poole 9-22-85

SAM F. POOLE DATE

Statement of - Sam F. Poole, Wildlife Biologist, Civilian GS-7

Nest number 022, was checked for hatching success on 2 September 1983 and no eggs were present. Seventy-one days after the female laid 111 eggs at 1.0(N) of Risley Pier. The final hatching success check was made on 7 September 1983. This final check revealed no eggs in the nest cavity, the pit was dug out and the hole enlarged to approximately 4' x 4'; with still no eggs, turtle eggs shells, or young turtles found. A search was conducted at the next dune, and up and down the beach, for egg fragments or young turtles of the season and none were found. The protective wire nest cover had been moved.

SAM F. POOLE
14 Sep 1983

Statement of Sam F. Poole, Wildlife Biologist, Civilian GS-7. Nest #022, was checked for hatching success 9-7-83. Seventy one days after the female laid 111 eggs at 1.0(N) of Risley Pier. This female was taged with return No. IMS 716. The hatching success check reveiled no eggs in the nest cavity on 9-7-83. The pit was dug out and the hole enlarged to approximately 4' x 4' with still no eggs located or Turtle egg shells. A search was conducted at the next dune and up and down the beach for egg fragments or dead turtles, none were found. This same nest was checked earlier and no eggs were present. (9-29-83). The last check was the final check on nest #022 was to determine the percent of hatching success.

SAM F. POOLE

SIGNATURE

DATE

needs typing

9-9-83

CP

~~Status of Nest Number, 022~~

Statement of Sam F. Poole, Wildlife Biologist, Civilian GS-7. Nest # 022, was checked for hatching success 9-7-83. Seventy one days after the female laid 111 ~~the~~ eggs at 1.0(N) of Risley's Pier. This female was tagged with return No. I.M.S. 716. The % % hatching succes check reveiled no eggs in the nest cavity on 9-7-83, The pit was dug out and the hole ~~enlarged~~ to aproximately 4'X4' further egg with still no eggs located or shells. A search was conducted at the next dune and up and down the beach for egg fragments or dead turtles, none were found. This same nest was checked, ~~earlier~~ earlier and no eggs were present (9-2-83) The last check was the final ~~hatching success check~~ check on nest #022 was to determine the percent of hatching success.

Seems to me - the last ¶ should be first

Revised - 9-14-83
S.F.P.

OK
JW

please type

Statment of Sam F. Poole, Wildlife Biologist, Civilian GS-7

Nest # 022, was checked for hatchling success on 9-2-83 and no eggs were present. Seventy-one days after the female laid 111 eggs at 1.0(N) of Risleys Pier the final hatchling success check was made ~~[illegible]~~ on 9-7-83. This final check revealed no eggs in the nest cavity, the pit was dug out and the hole enlarged to aproximately 4'x4', with still no eggs, turtle, egg shels or young turtles found. A search was conducted at the next dune, and up and down the beach, for egg fragments or ~~dead~~ young turtles of the season, and none were found. The protective wire nest cover one of the had been moved.

Signature - Sam F. Poole
9-14-83