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Oyster Creek Generating Station www.exeloncorp.com
Route 9 South
PO Box 388
Forked River, NJ 08731

50 CFR 402.14(i)(3)

December 20, 2013

RA-13-128

National Marine Fisheries Service Northeast Region
Protected Resources Division
One Blackburn Drive
Gloucester, MA 01930
Attention: Julie Crocker, Section 7 Coordinator

Oyster Creek Nuclear Generating Station
Renewed Facility Operating License No. DPR-16
NRC Docket No. 50-219

Subject: ANNUAL SEA TURTLE INCIDENTAL TAKE REPORT – 2013

Dear Ms. Crocker:

Enclosed is a copy of the 2013 Annual Sea Turtle Incidental Take Report for the Oyster Creek Nuclear Generating Station. The report is submitted in accordance with Terms and Conditions No. 8 of the Incidental Take Statement of the 2011 Endangered Species Act Section 7 Consultation Biological Opinion.

If you have any questions concerning this submittal, please contact Kathryn Houlahan, Environmental Scientist, at (609) 971-2588.

Sincerely,

Russell R. Peak
Plant Manager
Oyster Creek Nuclear Generating Station

Enclosure

cc: NRC Document Control Desk
 Administrator, Region I
 NRC Senior Project Manager
 NRC Senior Resident Inspector

TE77
NRR

Enclosure to RA-13-128

Annual Report of Sea Turtle Incidental Takes - 2013

Oyster Creek Nuclear Generating Station

Renewed Facility Operating License No. DPR-16

Docket No. 50-219

Prepared by:

Kathryn Houlahan, Environmental Scientist

Jeffrey Chrisley, Regulatory Specialist

Exelon Generation

December 2013

Introduction

The Annual Report of Sea Turtle Incidental Takes provides a summary of the incidental takes of all species of sea turtles at the Oyster Creek Nuclear Generating Station (OCNGS) during the past year. The report is required by Terms and Conditions (T&C) # 8 of the Incidental Take Statement (ITS) of the OCNGS Endangered Species Act Section 7 Consultation Biological Opinion. This report covers all incidental takes and sightings of sea turtles that occurred during 2013.

Incidental Take Reports documenting the circumstances of incidental takes of sea turtles were completed following nine OCNGS sea turtle incidental takes during 2013 and were provided to the NMFS and USNRC within 30 days of each incidental take. Sea Turtle Incidental Take Reports 2013-1 through 2013-9 are summarized in Attachment 1. Photographs of the nine turtles, as well as the necropsy reports for the four dead sea turtles, have already been supplied with the individual reports and therefore are not included in this report. Marine Mammal Stranding Center Reports for 2013-6, 2013-8, and 2013-9 are included because they were not received in time to include in the individual reports.

<u>Take</u>	<u>Incidental Take Date / Time (condition and species)</u>
2013-1	Friday, July 12, 2013/ 0915 (Dead juvenile Kemp's ridley)
2013-2	Sunday, July 14, 2013/ 1510 (Dead juvenile Kemp's ridley)
2013-3	Thursday, July 25, 2013/ 1325 (Dead juvenile Kemp's ridley)
2013-4	Friday, July 26, 2013/ 0410 (Live juvenile Kemp's ridley)
2013-5	Monday, August 12, 2013/ 1620 (Live juvenile Kemp's ridley)
2013-6	Sunday, September 1, 2013/ 0745 (Live Loggerhead)
2013-7	Saturday, September 7, 2013/ 0555 (Dead Loggerhead)
2013-8	Tuesday, September 10, 2013/ 0055 (Live juvenile Kemp's ridley)
2013-9	Thursday, September 13, 2013/ 2010 (Live juvenile Kemp's ridley)

Comparison of Annual Sea Turtle Incidental Takes With Prior Years

The nine OCNGS incidental takes during 2013 is greater than the long-term average of approximately four incidental takes per year recorded over the last twenty years. However, the annual abundance of sea turtles in this vicinity appears to be highly variable, unpredictable, and unrelated to the operation of OCNGS. There are several factors that may influence the number of sea turtle incidental takes that occur at the OCNGS. Barnegat Inlet, the only tidal inlet in the vicinity of Oyster Creek, which provides access to Barnegat Bay from the Atlantic Ocean, was deepened during dredging operations in the early 1990s. Completion of the Barnegat Inlet dredging operation resulted in an increase in the tidal prism, or volume of water entering and exiting the inlet on a single tidal cycle, as well as a slightly greater tidal range at Oyster Creek. The deepening of Barnegat Inlet and associated waterway channels was completed immediately prior to 1992, when incidental takes of sea turtles began to occur at OCNGS, and may partially explain the occurrence of the turtles. Increased regulatory protection of sea turtles under the Endangered Species Act also began in the early 1990's.

Physical factors, such as an oceanic front or an oceanic eddy occurring unusually close to Barnegat Inlet, may also play a part in the prevalence of sea turtles near Oyster Creek because oceanic fronts have been shown to be used as a migratory and forage habitat by sea turtles

(Polovina et al, 2000). Experience has also shown that the passage of a severe storm or pressure system near Barnegat Inlet can cause major increases in winds, waves, tides and tidal prism in shallow estuarine waters such as Barnegat Bay. These events could increase the likelihood of slowly swimming organisms such as sea turtles occurring in the estuary. It is likely that the local variability of sea turtle abundance is also related to biological factors including the abundance of organisms on which sea turtles prefer to feed, including crabs such as blue crabs, horseshoe crabs, and calico crabs, as well as sponges and various types of algae. The higher than average number of incidental takes in 2013 may have been an anomaly based on favorable physical conditions or prey abundance. However, an analysis of the number of incidental takes at OCNGS indicates that there has been a gradual increase in the average annual number of incidental takes in recent years in comparison to the previous decade. For example, a total of twenty sea turtle incidental takes occurred at OCNGS between 1992 and 2001 (an average of two takes per year) but 61 incidental takes occurred between 2002 and 2012 (an average of over five takes per year). This recent trend of increasing OCNGS incidental takes parallels a similar trend of generally increasing sea turtle strandings reported during that period by the Sea Turtle Stranding and Salvage Network (STSSN) along the Atlantic coast. The conduct of operations at the OCNGS intakes has not been changed in any manner that would explain the recent increase in takes. However, the increase may reflect the long-term success of turtle legislative protection and conservation measures such as TED implementation, nest and egg protection at sea turtle nesting sites, and turtle head-starting programs.

Many years of environmental sampling conducted near OCNGS have repeatedly demonstrated that the abundance of various marine organisms can vary considerably from year to year, often by orders of magnitude. This is particularly true for seasonal migrants, whose abundance in Barnegat Bay is highly dependent upon physical and biological factors along the migratory route. Therefore, the observed annual variation in sea turtle incidental takes at OCNGS from a minimum of zero to a maximum of eleven per year is not considered particularly significant.

In the most recent OCNGS Biological Opinion and ITS, issued in November 2011, NMFS determined that no more than 71 Kemp's ridley sea turtles, 6 loggerhead sea turtles, and 11 Atlantic green sea turtles are likely to be directly affected by interaction with OCNGS during the remainder of the OCNGS operating license (i.e., through 2029). The cumulative numbers of post-2011 incidental takes are listed below and can be used for comparison with the allowable species totals during the remainder of the OCNGS operating license:

<u>Turtle Species</u>	<u>Cumulative Total to Date 11/2011-12/2029</u>
Kemp's Ridley	11
Loggerhead	2
Green	1

OCNGS expects ongoing support from the MMSC for both transfers of live sea turtles for rehabilitation and as the primary facility for necropsies. OCNGS has noted the exceptional past efforts by the dedicated and capable MMSC staff in the care and rehabilitation of sea turtles transferred to the Brigantine facility, and that exceptional level of care was again apparent during 2013.

The ultimate goal of the considerable effort being put forward at OCNGS for the protection of sea turtles is to protect the turtles that do arrive at the plant, and to release as many turtles as

possible to safety. The OCNGS program for the protection of threatened and endangered sea turtles can be considered to be quite successful because most of the sea turtles incidentally captured at OCNGS since 1992 (with some in distress prior to being taken) have subsequently been rehabilitated and released alive and well, to the Atlantic Ocean in locations free from potential cold-shock owing to the efforts of OCNGS and MMSC personnel.

References

Polovina, J.J., D.R. Kobayashi, D.M. Ellis, M.P. Seki, and G.H. Balazs. 2000. Turtles on the edge: Movement of loggerhead turtles (*Caretta caretta*) along oceanic fronts in the central North Pacific, 1997-1998. *Fish. Oceanogr.*, 9: 71-82.

Enclosure to RA-13-128

ATTACHMENT 1

**2013 Incidental Take Reports
and STSSN Reports for Turtles 2013-6, 2013-8, and 2013-9**

	<u>Incidental Take 2013-1</u>	<u>Incidental Take 2013-2</u>	<u>Incidental Take 2013-3</u>
OPERATIONS DEPARTMENT:			
Observer's full name:	Gary Winkler	Douglas Hufford	Douglas Hufford
Reporter's full name:	Bethany Schmid	Bryan Eagan	Steve Johnston
Species Identification (Key attached):	Kemp's Ridley	Kemp's Ridley	Kemp's Ridley
Site of Impingement (CWS or DWS):	DWS	DWS	DWS
Bay Number:	3	1	3
Date animal observed:	12-Jul-13	14-Jul-13	25-Jul-13
Time animal observed:	9:15	15:10	13:25
Date animal collected:	12-Jul-13	14-Jul-13	25-Jul-13
Time animal collected:	9:15	15:10	13:30
CONDITIONS AT COLLECTION:			
Tidal Stage:	Low Tide	Incoming tide	High Tide
Cloud conditions:	Cloudy	Sunny	Cloudy
Precipitation:	None	None	None
Intake water temperature:	79.0°F	81.0°F	77.0°F
Other conditions	None	None	None
Number of CW pumps running:	4	4	4
Number of DW pumps running:	2	2	2
Reactor power level at observation:	100%	100%	100%
Reactor power previous 48-hours:	100%	100%	100%
Date of last screen inspection:	12-Jul-13	14-Jul-13	25-Jul-13
Time of last screen inspection:	8:45	12:30	13:05
Date of last trash raking:	11-Jul-13	14-Jul-13	24-Jul-13
Time of last trash raking:	7:59	15:10	9:16

	<u>Incidental Take 2013-1</u>	<u>Incidental Take 2013-2</u>	<u>Incidental Take 2013-3</u>
ENVIRONMENTAL DEPARTMENT:			
Date Brigantine MMSC contacted:	12-Jul-13	14-Jul-13	25-Jul-13
Time Brigantine MMSC contacted:	9:48	17:55	13:30
Date Animal picked up by MMSC:	12-Jul-13	14-Jul-13	25-Jul-13
Time Animal picked up by MMSC:	11:30	19:46	14:45
State of animal when first observed:	Dead	Dead	Dead
State of animal when collected:	Dead	Dead	Dead
State of animal when picked up:	Dead	Dead	Dead
State of animal arriving at MMSC:	Dead	Dead	Dead
Final disposition of animal:	Buried by MMSC, off beach	Buried by MMSC, off beach	Buried by MMSC, off beach
Carapace Length - Curved	29.5 cm	22.0 cm	18.5 cm
Carapace Length - Straight	28.7 cm	21.1 cm	18.0 cm
Carapace Width - Curved:	30.3 cm	23.4 cm	19.2 cm
Carapace Width - Straight:	26.5 cm	19.8 cm	17.0 cm
Weight - lbs (kgs)	6.9 lbs (3.1 kg)	5.8 lbs (2.6 kg)	1.9 lbs (0.9 kg)
Existing Tag Number	no tag	no tag	no tag
Photograph attached	Yes	Yes	Yes
Diagram of wounds, abnormalities, tag locations attached	Yes	Yes	Yes
Description of Animal	Body condition was fair. No cause of death positively identified. There were minor post mortem scrapes on the plastron.	Body condition was poor. Animal was very thin. No cause of death positively identified.	Fresh dead. Scrapes on plastron and underside of flippers. No cause of death could be confirmed.
All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01930	Yes	Yes	Yes

	<u>Incidental Take 2013-4</u>	<u>Incidental Take 2013-5</u>	<u>Incidental Take 2013-6</u>
OPERATIONS DEPARTMENT:			
Observer's full name:	Colin Wade	Matthew Ross	Kirsten Laning
Reporter's full name:	Bryan Eagan	Bryan Eagan	Kirsten Laning
Species Identification (Key attached):	Kemp's Ridley	Kemp's Ridley	Loggerhead
Site of Impingement (CWS or DWS):	DWS	DWS	DWS
Bay Number:	2	3	3
Date animal observed:	26-Jul-13	12-Aug-13	1-Sep-13
Time animal observed:	4:10	16:20	7:45
Date animal collected:	26-Jul-13	12-Aug-13	1-Sep-13
Time animal collected:	4:20	16:25	8:15
CONDITIONS AT COLLECTION:			
Tidal Stage:	Outgoing Tide	Outgoing Tide	Incoming Tide
Cloud conditions:	Cloudy	Cloudy	Cloudy
Precipitation:	None	None	None
Intake water temperature:	75.0°F	82.9°F	79.0°F
Other conditions	None	None	None
Number of CW pumps running:	4	4	4
Number of DW pumps running:	2	2	2
Reactor power level at observation:	100%	100%	100%
Reactor power previous 48-hours:	100%	100%	100%
Date of last screen inspection:	26-Jul-13	12-Aug-13	1-Sep-13
Time of last screen inspection:	4:10	12:30	7:45
Date of last trash raking:	25-Jul-13	12-Aug-13	31-Aug-13
Time of last trash raking:	13:40	1:20	9:33

	<u>Incidental Take 2013-4</u>	<u>Incidental Take 2013-5</u>	<u>Incidental Take 2013-6</u>
ENVIRONMENTAL DEPARTMENT:			
Date Brigantine MMSC contacted:	26-Jul-13	12-Aug-13	1-Sep-13
Time Brigantine MMSC contacted:	4:56	16:36	8:20
Date Animal picked up by MMSC:	26-Jul-13	12-Aug-13	1-Sep-13
Time Animal picked up by MMSC:	9:45	18:30	11:10
State of animal when first observed:	Alive	Alive	Alive
State of animal when collected:	Alive, active	Alive	Alive
State of animal when picked up:	Alive	Alive	Alive
State of animal arriving at MMSC:	Alive	Alive	Alive
Final disposition of animal:	Alive, released in Brigantine	Alive, released in Brigantine	Alive, taken to South Carolina Aquarium Sea Turtle Hospital
Carapace Length - Curved	11.5 cm	22.1 cm	70.2 cm
Carapace Length - Straight	28.0 cm	21.3 cm	68.3 cm
Carapace Width - Curved:	10.5 cm	21.7 cm	67.0 cm
Carapace Width - Straight:	24.0 cm	19.0 cm	54.6 cm
Weight - lbs (kgs)	6.0 lbs (2.7 kg)	3.3 lbs (1.5 kg)	74.2 lbs (33.7 kg)
Existing Tag Number	no tag	no tag	no tag
Photograph attached	Yes	Yes	Yes
Diagram of wounds, abnormalities, tag locations attached	Yes	Yes	Yes
Description of Animal	Active, alert, and responsive. No obvious injuries other than some scrapes on the plastron.	Alive, a few barnacles on carapace and some scrapes on plastron. Active and responsive.	Alive, alert, and responsive. Old wound on the right rear carapace, part of right rear flipper missing, and slight curvature of spine just cranial of pelvis. Left flipper paralyzed.
All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01930	Yes	Yes	Yes

	<u>Incidental Take 2013-7</u>	<u>Incidental Take 2013-8</u>	<u>Incidental Take 2013-9</u>
OPERATIONS DEPARTMENT:			
Observer's full name:	Joe Liquori	Doug Hufford	Gary Winkler
Reporter's full name:	Jeronimo Jimenez	Jeronimo Jimenez	Steve Johnston
Species Identification (Key attached):	Loggerhead	Kemp's Ridley	Kemp's Ridley
Site of Impingement (CWS or DWS):	DWS	CWS	CWS
Bay Number:	2	4	2
Date animal observed:	7-Sep-13	10-Sep-13	13-Sep-13
Time animal observed:	5:55	0:55	20:00
Date animal collected:	7-Sep-13	10-Sep-13	13-Sep-13
Time animal collected:	6:10	1:00	20:10
CONDITIONS AT COLLECTION:			
Tidal Stage:	Low Tide	High Tide	Tide Outgoing
Cloud conditions:	Sunny	Sunny	Cloudy
Precipitation:	None	None	None
Intake water temperature:	72.5°F	75.0°F	78.0°F
Other conditions	None	None	None
Number of CW pumps running:	4	4	4
Number of DW pumps running:	2	2	2
Reactor power level at observation:	100%	100%	100%
Reactor power previous 48-hours:	100%	100%	100%
Date of last screen inspection:	7-Sep-13	10-Sep-13	13-Sep-13
Time of last screen inspection:	4:30	0:30	20:00
Date of last trash raking:	6-Sep-13	10-Sep-13	13-Sep-13
Time of last trash raking:	10:12	0:40	0:52

	<u>Incidental Take 2013-7</u>	<u>Incidental Take 2013-8</u>	<u>Incidental Take 2013-9</u>
ENVIRONMENTAL DEPARTMENT:			
Date Brigantine MMSC contacted:	7-Sep-13	10-Sep-13	13-Sep-13
Time Brigantine MMSC contacted:	7:27	1:45	20:50
Date Animal picked up by MMSC:	7-Sep-13	10-Sep-13	14-Sep-13
Time Animal picked up by MMSC:	11:55	9:45	9:50
State of animal when first observed:	Dead	Alive	Alive
State of animal when collected:	Dead	Alive	Alive
State of animal when picked up:	Dead	Alive	Alive
State of animal arriving at MMSC:	Dead	Alive	Alive
Final disposition of animal:	Buried by MMSC, off beach	Alive, released in Brigantine	Alive, released in Brigantine
Carapace Length - Curved	69.9 cm	31.2 cm	25.2 cm
Carapace Length - Straight	63.5 cm	29.7 cm	23.9 cm
Carapace Width - Curved:	57.2 cm	32.3 cm	25.2 cm
Carapace Width - Straight:	47.0 cm	28.5 cm	22.0 cm
Weight - lbs (kgs)	55.0 lbs (24.9 kg)	8.0 lbs (3.6 kg)	4.1 lbs (1.9 kg)
Existing Tag Number	no tag	no tag	no tag
Photograph attached	Yes	Yes	Yes
Diagram of wounds, abnormalities, tag locations attached	Yes	Yes	Yes
Description of Animal	Dead, cause of death likely a propeller strike. Four cuts across top of carapace. One cut penetrated the back of the neck to the spine. Carapace beginning to disarticulate due to decomposition.	Alive, alert, and responsive. No significant injuries.	Alive, active, and alert with no significant injuries. Minor scrapes on plastron.
All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01930	Yes	Yes	Yes

SEA TURTLE STRANDING AND SALVAGE NETWORK – STRANDING REPORT

OBSERVER'S NAME / ADDRESS / PHONE:

First Jay M.I. Last Page
 Affiliation Marine Mammal Stranding Center
 Address PO Box 773, 3625 Brigantine Blvd., Brigantine, NJ 08203
 Area code/Phone number (609) 266-0538

STRANDING DATE:

Year 20 13 Month 09 Day 01
 Turtle number by day 02
 Field ID # MMSC-13-185
 Coordinator must be notified within 24 hrs; this was done by ☒ phone (609)266-0538
☐ email ☐ fax

SPECIES: (check one)

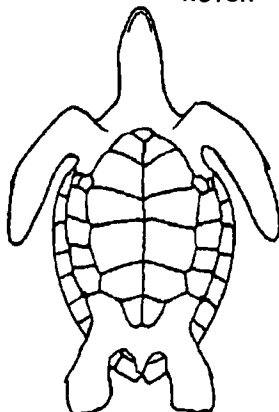
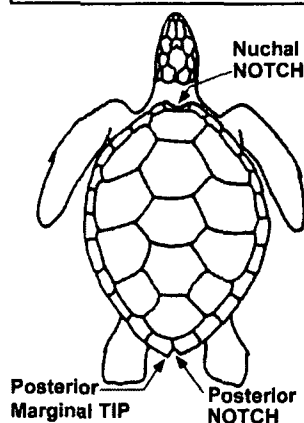
- ☒ CC = Loggerhead
☐ CM = Green
☐ DC = Leatherback
☐ EI = Hawksbill
☐ LK = Kemp's Ridley
☐ LO = Olive Ridley
☐ UN = Unidentified

Check Unidentified if not positive. Do Not Guess.

Carcass necropsied? ☐ Yes ☒ No
 Photos taken? ☒ Yes ☐ No
 Species verified by coordinator?
☒ Yes ☐ No

SEX:

☒ Undetermined
☐ Female ☐ Male
 Does tail extend beyond carapace?
☐ Yes; how far? ☐ cm / ☐ in
☒ No
 How was sex determined?
☐ Necropsy
☐ Tail length (adult only)



STRANDING LOCATION: ☐ Offshore (Atlantic or Gulf beach) ☒ Inshore (bay, river, sound, inlet, etc)

State New Jersey County Ocean
 Descriptive location (be specific) Oyster Creek Nuclear Generating Station
 Latitude 39.814141°N Longitude 74.207657°W

CONDITION: (check one)

- ☒ 0 = Alive
☐ 1 = Fresh dead
☐ 2 = Moderately decomposed
☐ 3 = Severely decomposed
☐ 4 = Dried carcass
☐ 5 = Skeleton, bones only

TAGS: Contact coordinator before disposing of any tagged animal!!

Checked for flipper tags? ☒ Yes ☐ No
Check all 4 flippers. If found, record tag number(s) / tag location / return address

PIT tag scan? ☒ Yes ☐ No
 If found, record number / tag location

Coded wire tag scan? ☐ Yes ☒ No
 If positive response, record location (flipper)
 Unable to check for
 Checked for living tag? ☒ Yes ☐ No
 If found, record location (scute number & side)

FINAL DISPOSITION: (check)

- ☐ 1 = Left on beach where found; painted? ☐ Yes* ☐ No(5)
☐ 2 = Buried: ☐ on beach / ☐ off beach;
 carcass painted before buried? ☐ Yes* ☐ No
☐ 3 = Salvaged: ☐ all / ☐ part(s), what/why?
☐ 4 = Pulled up on beach/dune; painted? ☐ Yes* ☐ No
☐ 6 = Alive, released
☒ 7 = Alive, taken to rehab. facility, where?
South Carolina Aquarium Sea Turtle Hospital
☐ 8 = Left floating, not recovered; painted? ☐ Yes* ☐ No
☐ 9 = Disposition unknown, explain

***If painted, what color?**

CARAPACE MEASUREMENTS: (see drawing)

Using calipers

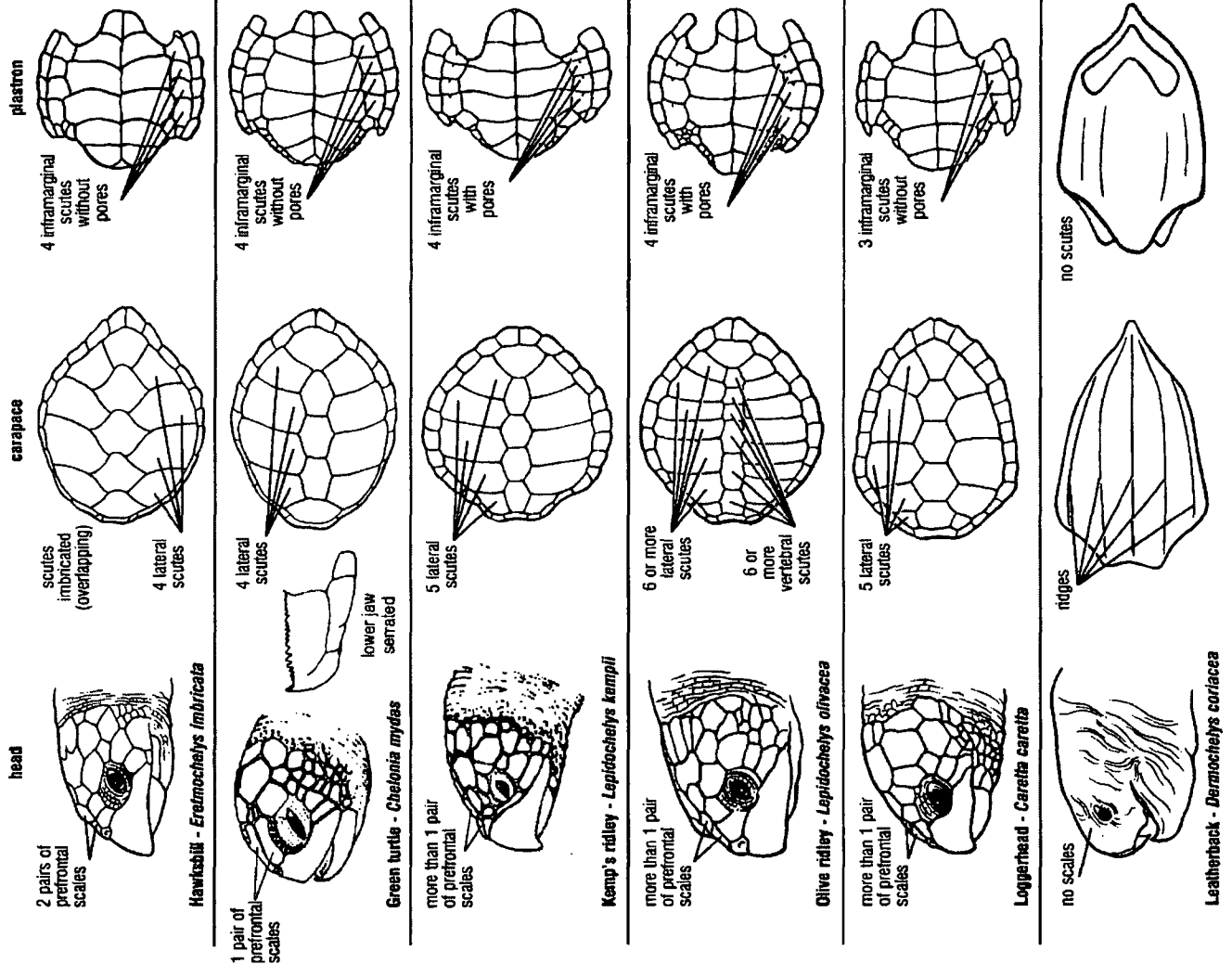
Straight length (NOTCH-TIP)	68.3	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
Minimum length (NOTCH-NOTCH)		<input type="checkbox"/> cm <input type="checkbox"/> in
Straight width (Widest Point)	54.6	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
Using non-metal measuring tape		
Curved length (NOTCH-TIP)	70.2	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
Minimum length (NOTCH-NOTCH)		<input type="checkbox"/> cm <input type="checkbox"/> in
Curved width (Widest Point)	67.0	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in

Weight ☒ actual / ☐ est. 74.2 ☐ kg ☒ lb

Mark wounds / abnormalities on diagrams at left and describe below (note tar or oil, gear or debris entanglement, propeller damage, epibiotas, papillomas, emaciation, etc.). **Please note if no wounds / abnormalities are found.**

Alive, bright, alert, responsive. There is an old wound to the right rear carapace, part of the right rear flipper is missing and there is a slight curvature of the spine just cranial of the pelvis. The left rear flipper seems to be paralyzed in some way and stays tucked in. Transferred to North Carolina Aquarium Sea Turtle Hospital for further rehabilitation on September 24, 2013.

SPECIES IDENTIFICATION



NMFS's Acceptable minimum Straight Carapace Lengths (SCL) for adult sea turtles. Any animal with a SCL's less than these listed are considered a juvenile animals; therefore, sex can ONLY be determined via necropsy:

Leatherback	Unknown/undetermined minimum SCL
Loggerhead	SCL > 90 cm (35.43 inches)
Green	SCL > 95 cm (37.40 inches)
Kemp's Ridley	SCL > 60 cm (23.62 inches)

Please use an envelope and mail original form to:

MR. ROBERT SCHOELKOPF
 NEW JERSEY STSSN COORDINATOR
 MARINE MAMMAL STRANDING CENTER
 P.O. BOX 773
 BRIGANTINE, NJ 08203

SEA TURTLE STRANDING AND SALVAGE NETWORK – STRANDING REPORT

OBSERVER'S NAME / ADDRESS / PHONE:

First Jay M.I. _____ Last Page
 Affiliation Marine Mammal Stranding Center
 Address PO Box 773, 3625 Brigantine Blvd., Brigantine, NJ 08203
 Area code/Phone number (609) 266-0538

STRANDING DATE:

Year 20 13 Month 09 Day 10
 Turtle number by day 01
 Field ID # MMSC-13-200
 Coordinator must be notified within 24 hrs; this was done by ☒ phone (609)266-0538
☐ email ☐ fax

SPECIES: (check one)

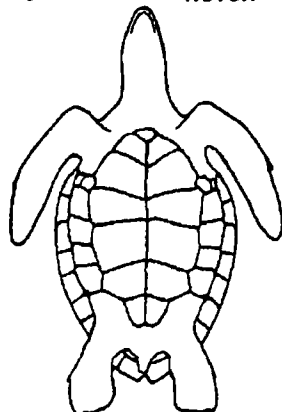
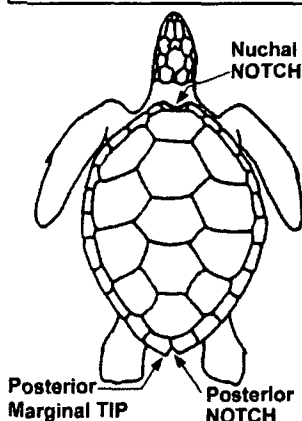
- ☐ CC = Loggerhead
☐ CM = Green
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☐ EI = Hawksbill
☒ LK = Kemp's Ridley
☐ LO = Olive Ridley
☐ UN = Unidentified

Check Unidentified if not positive. Do Not Guess.

Carcass necropsied? ☐ Yes ☐ No
 Photos taken? ☒ Yes ☐ No
 Species verified by coordinator?
☒ Yes ☐ No

SEX:

☒ Undetermined
☐ Female ☐ Male
 Does tail extend beyond carapace?
☐ Yes; how far? ☐ cm / ☐ in
☒ No
 How was sex determined?
☐ Necropsy
☐ Tail length (adult only)



STRANDING LOCATION: ☐ Offshore (Atlantic or Gulf beach) ☒ Inshore (bay, river, sound, inlet, etc)

State New Jersey County Ocean
 Descriptive location (be specific) Forked River, Oyster Creek Nuclear Generating Station dilution pool
 Latitude 39.814141°N Longitude 74.207700°W

CONDITION: (check one)

- ☒ 0 = Alive
☐ 1 = Fresh dead
☐ 2 = Moderately decomposed
☐ 3 = Severely decomposed
☐ 4 = Dried carcass
☐ 5 = Skeleton, bones only

TAGS: Contact coordinator before disposing of any tagged animal!!

Checked for flipper tags? ☒ Yes ☐ No
 Check all 4 flippers. If found, record tag number(s) / tag location / return address

PIT tag scan? ☒ Yes ☐ No
 If found, record number / tag location

Coded wire tag scan? ☐ Yes ☒ No
 If positive response, record location (flipper)
 Unable to check for
 Checked for living tag? ☒ Yes ☐ No
 If found, record location (scute number & side)

FINAL DISPOSITION: (check)

- ☐ 1 = Left on beach where found; painted? ☐ Yes* ☐ No(5)
☐ 2 = Buried: ☐ on beach / ☐ off beach;
 carcass painted before buried? ☐ Yes* ☐ No
☐ 3 = Salvaged: ☐ all / ☐ part(s), what/why? _____
☐ 4 = Pulled up on beach/dune; painted? ☐ Yes* ☐ No
☒ 6 = Alive, released
☐ 7 = Alive, taken to rehab. facility, where? _____
☐ 8 = Left floating, not recovered; painted? ☐ Yes* ☐ No
☐ 9 = Disposition unknown, explain _____

*If painted, what color? _____

CARAPACE MEASUREMENTS: (see drawing)

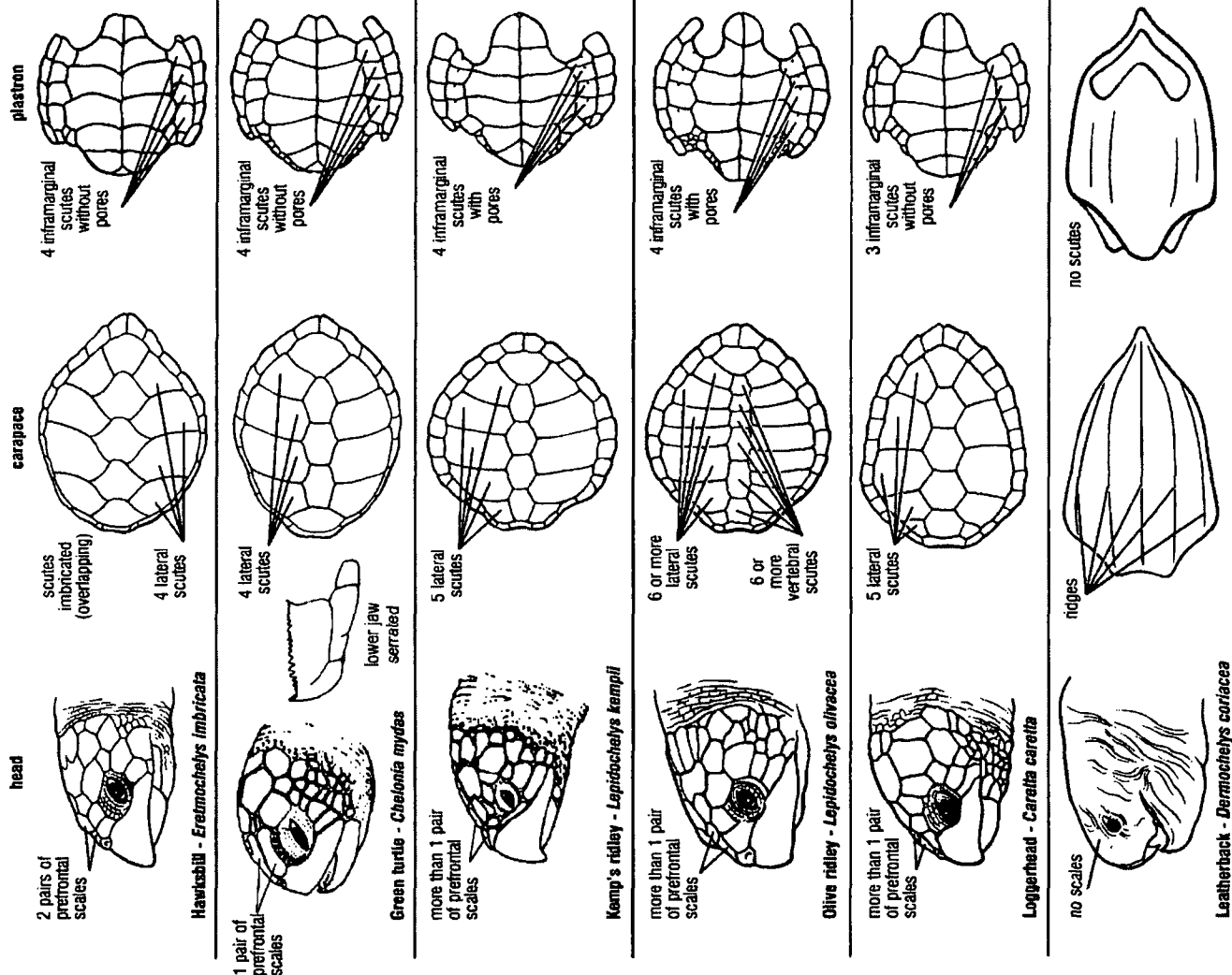
Using calipers

Straight length (NOTCH-TIP)	29.7	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
Minimum length (NOTCH-NOTCH)		<input type="checkbox"/> cm <input type="checkbox"/> in
Straight width (Widest Point)	28.5	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
Using non-metal measuring tape		
Curved length (NOTCH-TIP)	31.2	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
Minimum length (NOTCH-NOTCH)		<input type="checkbox"/> cm <input type="checkbox"/> in
Curved width (Widest Point)	32.3	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
Weight	8.0	<input type="checkbox"/> kg <input checked="" type="checkbox"/> lb

Mark wounds / abnormalities on diagrams at left and describe below (note tar or oil, gear or debris entanglement, propeller damage, epibiota, papillomas, emaciation, etc.). Please note if no wounds / abnormalities are found.

Alive, bright, alert, responsive. Very active. No significant injuries. Was deemed releasable and released on the North End Beach in Brigantine, NJ on 10-2-2013. Release weight was 8.4lbs.

SPECIES IDENTIFICATION



NMFS's Acceptable minimum Straight Carapace Lengths (SCL) for adult sea turtles. Any animal with a SCL's less than these listed are considered a juvenile animals; therefore, sex can ONLY be determined via necropsy:

Leatherback	Unknown/undetermined minimum SCL
Loggerhead	SCL > 90 cm (35.43 inches)
Green	SCL > 95 cm (37.40 inches)
Kemp's Ridley	SCL > 60 cm (23.62 inches)

Please use an envelope and mail original form to:

MR. ROBERT SCHOELKOPF
NEW JERSEY STSSN COORDINATOR
MARINE MAMMAL STRANDING CENTER
P.O. BOX 773
BRIGANTINE, NJ 08203

SEA TURTLE STRANDING AND SALVAGE NETWORK – STRANDING REPORT

OBSERVER'S NAME / ADDRESS / PHONE:

First Jay M.I. _____ Last Page
 Affiliation Marine Mammal Stranding Center
 Address PO Box 773, 3625 Brigantine Blvd., Brigantine, NJ 08203
 Area code/Phone number (609) 266-0538

STRANDING DATE:

Year 20 13 Month 09 Day 13
 Turtle number by day 01
 Field ID # MMSC-13-206
 Coordinator must be notified within 24 hrs; this was done by ☒ phone (609)266-0538
☐ email ☐ fax

SPECIES: (check one)

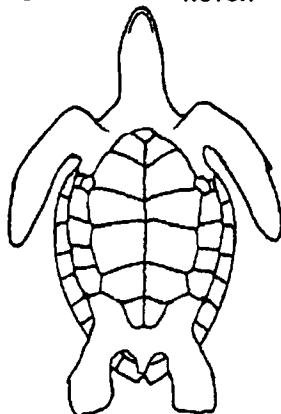
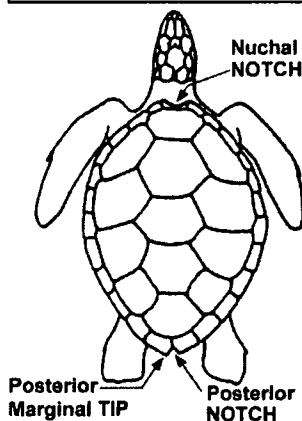
- ☐ CC = Loggerhead
☐ CM = Green
☐ DC = Leatherback
☐ EI = Hawksbill
☒ LK = Kemp's Ridley
☐ LO = Olive Ridley
☐ UN = Unidentified

Check Unidentified if not positive. Do Not Guess.

Carcass necropsied? ☐ Yes ☐ No
 Photos taken? ☒ Yes ☐ No
 Species verified by coordinator?
☒ Yes ☐ No

SEX:

☒ Undetermined
☐ Female ☐ Male
 Does tail extend beyond carapace?
☐ Yes; how far? ☐ cm ☐ in
☒ No
 How was sex determined?
☐ Necropsy
☐ Tail length (adult only)



STRANDING LOCATION: ☐ Offshore (Atlantic or Gulf beach) ☒ Inshore (bay, river, sound, inlet, etc)

State New Jersey County Ocean
 Descriptive location (be specific) Forked River, Oyster Creek Nuclear Generating Station
 Latitude 39.81417°N Longitude 74.20700°W

CONDITION: (check one)

- ☒ 0 = Alive
☐ 1 = Fresh dead
☐ 2 = Moderately decomposed
☐ 3 = Severely decomposed
☐ 4 = Dried carcass
☐ 5 = Skeleton, bones only

TAGS: Contact coordinator before disposing of any tagged animal!!

Checked for flipper tags? ☒ Yes ☐ No
Check all 4 flippers. If found, record tag number(s) / tag location / return address

PIT tag scan? ☒ Yes ☐ No
 If found, record number / tag location

Coded wire tag scan? ☐ Yes ☒ No
 If positive response, record location (flipper) Unable to check for
 Checked for living tag? ☒ Yes ☐ No
 If found, record location (scute number & side) \

FINAL DISPOSITION: (check)

- ☐ 1 = Left on beach where found; painted? ☐ Yes* ☐ No(5)
☐ 2 = Buried: ☐ on beach / ☐ off beach;
 carcass painted before buried? ☐ Yes* ☐ No
☐ 3 = Salvaged: ☐ all / ☐ part(s), what/why? _____
☐ 4 = Pulled up on beach/dune; painted? ☐ Yes* ☐ No
☒ 6 = Alive, released
☐ 7 = Alive, taken to rehab. facility, where? _____
☐ 8 = Left floating, not recovered; painted? ☐ Yes* ☐ No
☐ 9 = Disposition unknown, explain _____

***If painted, what color?** _____

CARAPACE MEASUREMENTS: (see drawing)

Using calipers

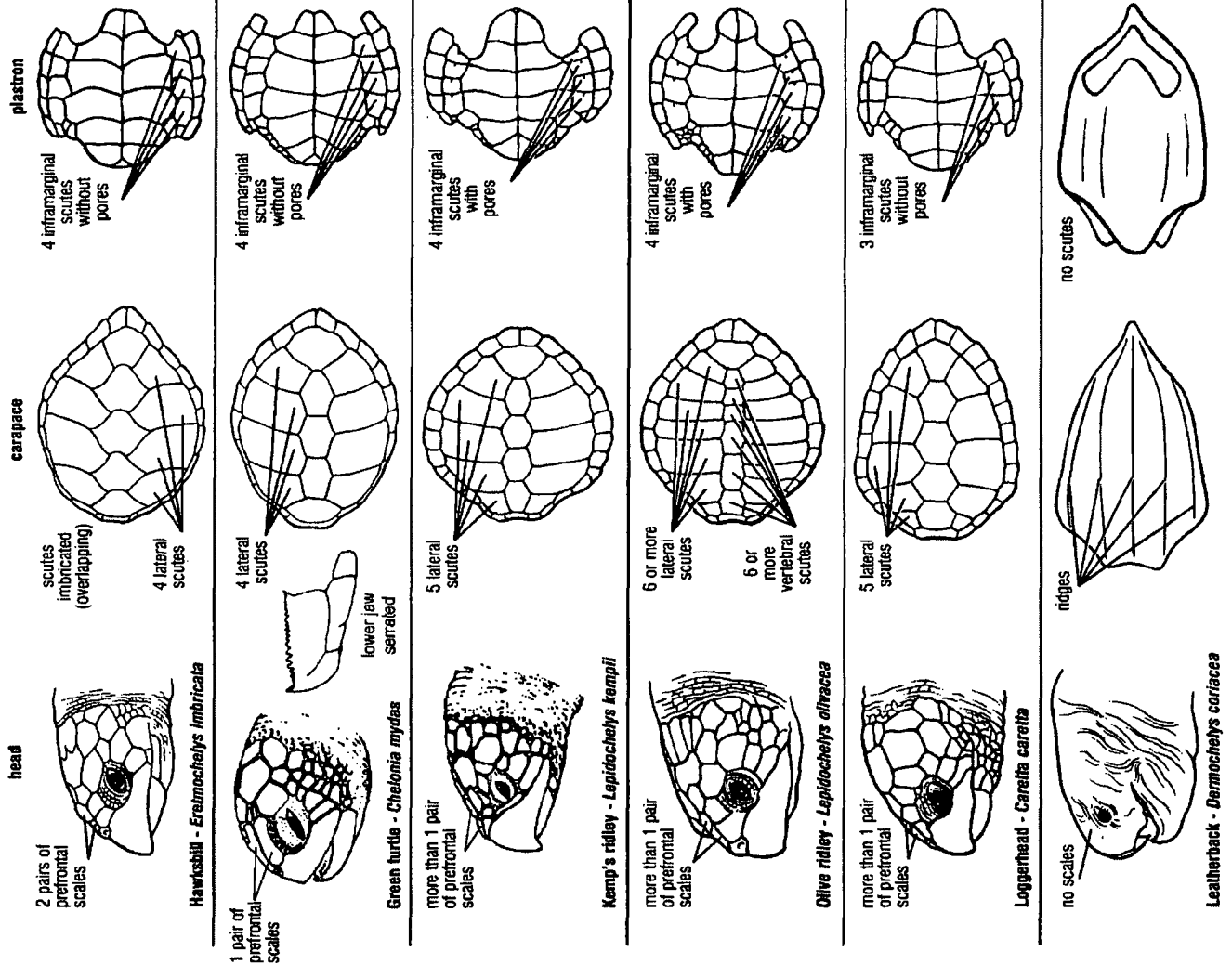
Straight length (NOTCH-TIP)	<u>23.9</u>	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
Minimum length (NOTCH-NOTCH)	<u>_____</u>	<input type="checkbox"/> cm <input type="checkbox"/> in
Straight width (Widest Point)	<u>22.0</u>	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
Using non-metal measuring tape		
Curved length (NOTCH-TIP)	<u>25.8</u>	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in
Minimum length (NOTCH-NOTCH)	<u>_____</u>	<input type="checkbox"/> cm <input type="checkbox"/> in
Curved width (Widest Point)	<u>25.2</u>	<input checked="" type="checkbox"/> cm <input type="checkbox"/> in

Weight ☒ actual / ☐ est. 4.1 ☐ kg ☒ lb

Mark wounds / abnormalities on diagrams at left and describe below (note tar or oil, gear or debris entanglement, propeller damage, epibiotas, papillomas, emaciation, etc.). **Please note if no wounds / abnormalities are found.**

Alive, bright, alert. No significant injuries. Minor scrapes on plastron. Very active. Deemed releasable and released at the North End Beach in Brigantine, NJ on 10-2-2013. Release weight was 4.4lbs.

SPECIES IDENTIFICATION



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