Exelon Nuclear

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50 CFR 402.14(i)(3)

December 31, 2009

RA-09-092

National Marine Fisheries Service Northeast Region
Protected Resources Division
One Blackburn Drive
Gloucester, MA 01930
Attention: Pasquale Scida

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

Subject: ANNUAL SEA TURTLE INCIDENTAL TAKE REPORT – 2009

Dear Mr. Scida:

Enclosed is a copy of the 2009 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 2006 Incidental Take Statement of the Endangered Species Act Section 7 Consultation Biological Opinion.

If you have any questions concerning this submittal, please contact Malcolm Browne, Environmental Scientist, at (609) 971-4124.

Sincerely,

Michael J. Massaro

Michael J. Massaro
Vice President
Oyster Creek Nuclear Generating Station

Enclosure

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

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NRR

Enclosure to RA-09-092

Annual Report of Sea Turtle Incidental Takes - 2009

Oyster Creek Nuclear Generating Station

Renewed Operating License No. DPR-16

Docket No. 50-219

Prepared by:
Malcolm Browne, Senior Environmental Scientist
Calvin Taylor, Principal Regulatory Specialist

Exelon Corporation

December 2009

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 of the OCNGS Endangered Species Act Section 7 Consultation Biological Opinion. This report covers all incidental takes of sea turtles that occurred during 2009. There were no sightings of sea turtles to report.

OCNGS expects on-going support from the Marine Mammal Stranding Center in Brigantine, New Jersey for both transfers of live sea turtles for rehabilitation and as the primary facility for necropsies. OCNGS has arranged for Dr. Wurst (D.V.S.) of Barnegat, New Jersey as a backup to perform necropsies as required by T&C # 11 of the 2006 Biological Opinion. OCNGS has noted the exceptional efforts by the MMSC staff in the care and rehabilitation of sea turtles transferred to the Brigantine facility.

Incidental Take Reports documenting the circumstances of incidental takes of sea turtles were completed following ten OCNGS juvenile Kemp's ridley and one Atlantic Green sea turtle incidental takes during 2009 and were previously provided to the National Marine Fisheries Service (NMFS) and United States Nuclear Regulatory Commission (USNRC). Sea Turtle Incidental Take Reports 2009-1 though 2009-11 are summarized below and the MMSC Stranding Reports and necropsies are included in Attachment 1. Photographs of the eleven turtles were previously supplied with the individual reports and therefore are not included in this report.

Sea Turtle Incidental Take Report 2009-1

At approximately 1010 hours on Tuesday, June 23, 2009, an Oyster Creek Nuclear Generating Station (OCNGS) operator noticed a live sea turtle in Bay # 5 of the dilution water intake. The water temperature at the time of the incidental take was approximately 70.7 degrees F (21.5 C) and OCNGS was in operation at 100% power with four circulating water pumps and two dilution pumps in operation. Skies were cloudy.

The turtle appeared to be healthy and was very active. OCNGS Environmental personnel who took custody of the turtle confirmed it to be a juvenile Kemp's ridley sea turtle (Lepidochelys kempi). Although it is impossible to say precisely how long the turtle had been on the trash bars prior to removal, the dilution water trash racks had been inspected earlier the same morning without the turtle being observed. The previous dilution trash rack cleaning occurred late the prior evening and the turtle was likewise not observed during that cleaning.

The turtle measured only 30 cm carapace length straight line and weighed 7.6 lb. No tags were present on the turtle when captured. USNRC and NMFS personnel were notified of the incidental take within 24 hours.

The turtle was handed over to personnel from the Marine Mammal Stranding Center (MMSC) in Brigantine, NJ at approximately 1145 hours on June 23, 2009. At the MMSC, the turtle was examined, measured, fed, and tagged. MMSC personnel reported that the animal was very active and suffered no major injuries. Only minor bruising was present on plastron and ventral surfaces of its flippers. The animal began eating immediately

upon arrival at MMSC. Because of the very good condition of the animal, MMSC personnel chose to release it on the north end of Brigantine Island, NJ on June 23, 2009.

Sea Turtle Incidental Take Report 2009-2

At approximately 1400 hours on Friday, July 17, 2009, an Oyster Creek Nuclear Generating Station (OCNGS) operator noticed a sea turtle in Bay # 5 of the dilution water intake while removing debris from trash grates. The water temperature at the time of the incidental take was approximately 79.1 degrees F (26.2 C) and OCNGS was in operation at 90% power with three circulating water pumps and two dilution pumps in operation. Skies were cloudy.

Because the turtle was not active when retrieved from the intake bay, Oyster Creek personnel administered sea turtle techniques but the turtle remained unresponsive. The turtle appeared to be encrusted on the carapace, plastron and flippers with numerous barnacles and small patches of algae. A heavy epibiotic growth such as this is typical of a turtle that has been ill or debilitated for a period of time because it cannot maintain a normal pattern of persistent movement necessary to keep a healthy juvenile sea turtle devoid of barnacles and algae. OCNGS Environmental personnel who took custody of the turtle confirmed it to be a juvenile Kemp's ridley sea turtle (Lepidochelys kempi). Although it is impossible to say precisely how long the turtle had been on the trash bars prior to removal, the dilution water trash racks had been inspected earlier the same morning without the turtle being observed. The previous dilution trash rack cleaning occurred late the prior morning and the turtle was likewise not observed during that cleaning.

The turtle measured only 23.4 cm carapace length straight line and weighed 6.5 lb. No tags were present on the turtle when captured. USNRC and NMFS personnel were notified of the incidental take within 24 hours.

The turtle was handed over to personnel from the Marine Mammal Stranding Center (MMSC) in Brigantine, NJ at approximately 1530 hours on July 17, 2009. At the MMSC, the turtle was necropsied and the results were recorded on MMSC Sea turtle Stranding and Salvage Network Stranding Report # MMSC-09-109 (enclosed). MMSC personnel determined in the course of the necropsy that the animal had "multifocal hard nodules" in the right lobe of the liver. According to the MMSC necropsy drowning could not be ruled out as a possible cause of death, but ..."the state of the liver and the severe barnacle load does suggest that the turtle had been debilitated before the human interaction." MMSC personnel buried the turtle on Brigantine Island, NJ following the necropsy.

Sea Turtle Incidental Take Report 2009-3

At approximately 1250 hours on Thursday, July 23, 2009, an Oyster Creek Nuclear Generating Station (OCNGS) operator noticed a sea turtle in Bay # 6 of the dilution water intake while removing debris from trash grates. The water temperature at the time of the incidental take was approximately 77.4 degrees F (25.2 C) and OCNGS was in operation at 90% power with three circulating water pumps and two dilution pumps in operation. Skies were cloudy with intermittent rain.

The turtle was not active after retrieval from the trash grates and Oyster Creek personnel administering sea turtle resuscitation techniques were unsuccessful in their attempts to revive it. The turtle's carapace was intact with no puncture wounds or signs of major injury but had a 6.5 cm long shallow scrape near the midline. The Marine Mammal Stranding Center (MMSC) was promptly notified of the incidental take and took custody of the turtle within approximately 1.5 hours of the incidental take, at which time MMSC personnel confirmed it to be a juvenile Kemp's ridley sea turtle (Lepidochelys kempi) and pronounced it dead. A subsequent necropsy performed by MMSC (enclosed) noted the scrape on its carapace, a chipped area of the plastron and a 1 cm cut under the left mandible but no evidence of puncture wounds or major injury. The necropsy also determined the turtle's stomach and intestines to contain crab hard parts and digesta. The left lung contained froth and the right lung was found to contain froth and blood clots. No abnormalities of other organs were noted. MMSC considered these findings "consistent with drowning." Although it is impossible to say precisely how long the turtle had been on the trash bars prior to removal, the dilution water trash racks had been inspected earlier the same morning without the turtle being observed. The previous dilution trash rack cleaning occurred late the prior morning and the turtle was likewise not observed during that cleaning.

The turtle measured only 24.7 cm straight carapace length and weighed 4.9 lb. No tags were present on the turtle when captured. USNRC and NMFS personnel were notified of the incidental take within 24 hours.

The turtle was handed over to personnel from the Marine Mammal Stranding Center (MMSC) in Brigantine, NJ at approximately 1420 hours on July 23, 2009. At the MMSC, the turtle was necropsied and the results were recorded on MMSC Sea turtle Stranding and Salvage Network Stranding Report #MMSC-09-110 (enclosed). MMSC personnel determined in the course of the necropsy that the animal had a 6.5 cm scrape on its carapace, a chipped area of the plastron and a 1 cm cut under the left mandible but no evidence of puncture wounds or major injury. The necropsy also determined the turtle's stomach and intestines to contain crab hard parts and digesta. The left lung contained froth and the right lung was found to contain froth and blood clots. No abnormalities of other organs were noted. MMSC considered these findings "consistent with drowning." MMSC personnel buried the turtle on Brigantine Island, NJ following the necropsy but retained a muscle sample for genetic analysis.

Sea Turtle Incidental Take Report 2009-4

At approximately 0220 hours on Wednesday, August 5, 2009, an Oyster Creek Nuclear Generating Station (OCNGS) operator noticed a sea turtle swimming in front of Bay # 1 of the circulating water intake while removing debris from trash grates. At 0252 the operator was able to retrieve the turtle. The water temperature at the time of the incidental take was approximately 85 degrees F (29.4 C) and OCNGS was in operation at 100% power with four circulating water pumps and two dilution pumps in operation. Skies were clear with winds out of the west at approximately 15 knots with little or no debris accumulation.

The turtle was very active after retrieval from the trash grates and appeared healthy with no signs of physical trauma. The Marine Mammal Stranding Center (MMSC) was promptly notified of the incidental take and took custody of the turtle within approximately

three hours of the incidental take. MMSC personnel confirmed it to be a juvenile Kemp's ridley sea turtle (Lepidochelys kempi). Although it is impossible to say precisely how long the turtle had been on the trash bars prior to removal, the dilution water trash racks had been inspected less than five hours earlier without the turtle being observed. The previous dilution trash rack cleaning occurred approximately 24 hours earlier and the turtle was not observed during that cleaning.

The turtle measured 23 cm straight carapace length and weighed only 3.9 lb. No tags were present on the turtle when captured. USNRC and NMFS personnel were notified of the incidental take within 24 hours.

The turtle was handed over to personnel from the Marine Mammal Stranding Center (MMSC) in Brigantine, NJ at approximately 0600 hours on August 5, 2009. At the MMSC, the turtle was examined and observed prior to release.

Sea Turtle Incidental Take Report 2009-5

At approximately 1825 hours on Saturday, August 15, 2009, an Oyster Creek Nuclear Generating Station (OCNGS) operator noticed a sea turtle in Bay # 1 of the dilution water intake while removing debris from trash grates. The water temperature at the time of the incidental take was approximately 83.9 degrees F (28.8 C) and OCNGS was in operation at 100% power with four circulating water pumps and two dilution pumps in operation. No precipitation was occurring at the time of the incidental take.

The turtle was quite active and alert when retrieved from the intake bay. The turtle appeared to be healthy and had no signs of physical trauma other than some minor abrasions on the plastron and minor bruising noted near the base of the rear flippers. OCNGS Environmental personnel who took custody of the turtle confirmed it to be a juvenile Kemp's ridley sea turtle (Lepidochelys kempi). Although it is impossible to say precisely how long the turtle had been on the trash bars prior to removal, the dilution water trash racks had been inspected less than four hours and raked about seven hours earlier the same day without the turtle being observed.

USNRC and NMFS personnel were notified of the incidental take within 24 hours.

The turtle was handed over to personnel from the Marine Mammal Stranding Center (MMSC) in Brigantine, NJ at approximately 2215 hours on August 15, 2009. The turtle measured 30.7 cm carapace length straight line and weighed 10.2 lb. No tags were present on the turtle when examined. MMSC personnel held the turtle briefly for observation and confirmed that it was diving and feeding regularly and was in very good health and physical condition. After tagging the turtle, MMSC personnel released it alive on August 17, 2009, at Brigantine Island, NJ. Information regarding the turtle was recorded on Sea Turtle Stranding and Salvage Network Stranding Report # MMSC-09-117 (enclosed).

Sea Turtle Incidental Take Report 2009-6

At approximately 1030 hours on Thursday, September 10, 2009, an Oyster Creek Nuclear Generating Station (OCNGS) operator noticed a sea turtle in Bay # 6 of the

dilution water intake while removing debris from trash grates. The water temperature at the time of the incidental take was approximately 67.4 degrees F (19.7 C) and OCNGS was in operation at 100% power with four circulating water pumps and two dilution pumps in operation. Skies were clear.

The turtle was active and responsive when retrieved from the intake bay. The turtle's carapace had a crack over 10 cm in length extending laterally just behind the neck that appeared to be a pre-existing boat propeller wound. OCNGS Environmental personnel who took custody of the turtle confirmed it to be a juvenile Kemp's ridley sea turtle (Lepidochelys kempi). Although it is impossible to say precisely how long the turtle had been on the trash bars prior to removal, the dilution water trash racks had been inspected less than one hour earlier in the morning without the turtle being observed. The previous dilution trash rack cleaning occurred in the afternoon of the previous day without the turtle being observed.

The turtle measured 24.7 cm carapace length straight line and weighed only 4.8 lb. No tags were present on the turtle when captured. USNRC and NMFS personnel were notified of the incidental take within 24 hours.

The turtle was handed over to personnel from the Marine Mammal Stranding Center (MMSC) in Brigantine, NJ later the same afternoon. The turtle was examined at MMSC and the results were recorded on MMSC Sea turtle Stranding and Salvage Network Stranding Report # MMSC-09-130 (enclosed). Due to the nature of its wounds associated with a deep boat propeller wound, it was determined that rehabilitation would be required at a facility specially equipped to provide long-term care and treatment. Therefore, MMSC personnel arranged for the transfer of the turtle to the Riverhead Foundation in Riverhead, Long Island for further rehabilitative care and treatment.

Sea Turtle Incidental Take Report 2009-7

At approximately 1050 hours on Friday, September 11, 2009, an Oyster Creek Nuclear Generating Station (OCNGS) operator noticed a sea turtle in Bay # 4 of the dilution water intake while removing debris from trash grates. The water temperature at the time of the incidental take was approximately 65.6 degrees F (18.7 C) and OCNGS was in operation at 100% power with four circulating water pumps and two dilution pumps in operation. Skies were cloudy with intermittent rain.

The turtle was alive and active after retrieval from the trash grates so resuscitation techniques were not performed by OCNGS personnel. The turtle's carapace was intact with no puncture wounds or signs of major injury but did have two minor shallow scrapes parallel to the midline of the ventral surface. Although it is impossible to say precisely how long the turtle had been on the trash bars prior to removal, the dilution water trash racks had been inspected less than twelve hours earlier without the turtle being observed. The previous dilution trash rack cleaning occurred late the prior morning and the turtle was likewise not observed during that cleaning.

The turtle measured only 26.5 cm straight carapace length and weighed 5.4 lb. No tags were present on the turtle when captured. USNRC and NMFS personnel were notified of the incidental take within 24 hours.

The Marine Mammal Stranding Center (MMSC) was promptly notified of the incidental take and took custody of the turtle within approximately 1.5 hours of the incidental take. MMSC personnel confirmed it to be a juvenile Atlantic Green sea turtle (Chelonia mydas). At the MMSC, the turtle was examined, fed and observed and the results were recorded on MMSC Sea turtle Stranding and Salvage Network Stranding Report #MMSC-09-131 (enclosed). MMSC personnel noted that the turtle "...began eating, swimming and diving normally upon arrival at MMSC", and that it was "Bright, alert, responsive and active." Because of its very good physical condition, MMSC personnel tagged the turtle and released it offshore of Brigantine Island, NJ on September 18, 2009.

Sea Turtle Incidental Take Report 2009-8

At approximately 1420 hours on Friday, September 25, 2009, an Oyster Creek Nuclear Generating Station (OCNGS) operator noticed a sea turtle in Bay # 6 of the dilution water intake while removing debris from trash grates. The water temperature at the time of the incidental take was approximately 73 degrees F (22.8 C) and OCNGS was in operation at 100% power with four circulating water pumps and two dilution pumps in operation. Skies were clear.

The turtle was not active when retrieved from the intake bay and was obviously dead. OCNGS Environmental personnel who took custody of the turtle confirmed it to be a juvenile Kemp's ridley sea turtle (Lepidochelys kempi). Although it is impossible to say precisely how long the turtle had been on the trash bars prior to removal, the dilution water trash racks had been inspected about three hours earlier in the morning without the turtle being observed. The previous dilution trash rack cleaning occurred in the afternoon of the previous day without the turtle being observed.

The turtle measured 21.4 cm carapace length straight line and weighed 3.5 pounds. No tags were present on the turtle when captured. USNRC and NMFS personnel were notified of the incidental take within 24 hours.

The turtle was handed over to personnel from the Marine Mammal Stranding Center (MMSC) in Brigantine, NJ at approximately 1530 hours on September 25, 2009. A necropsy was performed at the MMSC and the results were recorded on MMSC Sea turtle Stranding and Salvage Network Stranding Report # MMSC-09-138 (enclosed). MMSC personnel determined in the course of the necropsy that the animal was male and had no visible anomalies. Based on the post-mortem accumulation of gas that was present at the time of the incidental take, MMSC estimated that the turtle may have been dead for 1 to 2 days prior to the incidental take. According to the MMSC necropsy, no obvious cause of death could be determined. MMSC personnel buried the turtle on the beach of Brigantine Island, New Jersey following the necropsy.

Sea Turtle Incidental Take Report 2009-9

At approximately 1440 hours on Friday, September 25, 2009, an Oyster Creek Nuclear Generating Station (OCNGS) operator noticed a sea turtle in Bay # 6 of the dilution water intake while removing debris from trash grates. The water temperature at the time of the incidental take was approximately 73 degrees F (22.8 C) and OCNGS was in

operation at 100% power with four circulating water pumps and two dilution pumps in operation. Skies were clear.

The turtle was not active when retrieved from the intake bay but appeared to be alive. Resuscitation was attempted but no results were achieved other than a small amount of water was drained from the turtle. OCNGS Environmental personnel who took custody of the turtle confirmed it to be a juvenile Kemp's ridley sea turtle (Lepidochelys kempi). Although it is impossible to say precisely how long the turtle had been on the trash bars prior to removal, the dilution water trash racks had been inspected about three hours earlier in the morning without the turtle being observed. The previous dilution trash rack cleaning occurred in the afternoon of the previous day without the turtle being observed.

The turtle measured 27 cm carapace length straight line and weighed 6.1 lb. No tags were present on the turtle when captured. USNRC and NMFS personnel were notified of the incidental take within 24 hours.

The turtle was handed over to personnel from the Marine Mammal Stranding Center (MMSC) in Brigantine, NJ at approximately 1530 hours on September 25, 2009. A necropsy was performed at the MMSC and the results were recorded on MMSC Sea turtle Stranding and Salvage Network Stranding Report # MMSC-09-139 (enclosed). MMSC personnel determined in the course of the necropsy that the animal was female and that drowning was the likely cause of death. MMSC personnel buried the turtle on the beach of Brigantine Island, New Jersey following the necropsy.

Sea Turtle Incidental Take Report 2009-10

At approximately 1100 hours on Wednesday, October 7, 2009, an Oyster Creek Nuclear Generating Station (OCNGS) operator noticed a sea turtle in Bay # 6 of the dilution water intake while removing debris from trash grates. The water temperature at the time of the incidental take was approximately 68.1 degrees F (20.1 C) and OCNGS was in operation at 100% power with four circulating water pumps and two dilution pumps in operation. Skies were cloudy with no precipitation occurring at the time of the incidental take.

The turtle was very active and alert when retrieved from the intake bay. The turtle appeared to be healthy and had no obvious signs of physical trauma. OCNGS Environmental personnel who took custody of the turtle confirmed it to be a juvenile Kemp's ridley sea turtle (Lepidochelys kempi). Although it is impossible to say precisely how long the turtle had been on the trash bars prior to removal, the dilution water trash racks had been inspected less than four hours earlier and raked the previous morning without the turtle being observed.

USNRC and NMFS personnel were notified of the incidental take within 24 hours.

The turtle was promptly handed over to personnel from the Marine Mammal Stranding Center (MMSC) in Brigantine, NJ later on the same day. The turtle measured 31.6 cm carapace length straight line and weighed 10.0 lb. After receipt at the MMSC personnel noticed that the animal was not eating and the animal expired within three days of arrival at MMSC. The turtle was shipped to a veterinarian at the University of Florida specializing in sea turtle necropsies. The cause of death was determined as pneumonia and septicemia not related to station operation.

Sea Turtle Incidental Take Report 2009-11

At approximately 1735 hours on Wednesday, October 30, 2009, an Oyster Creek Nuclear Generating Station (OCNGS) operator noticed a sea turtle in Bay # 4 of the circulating water intake while performing a regularly scheduled intake inspection tour. The water temperature at the time of the incidental take was approximately 58.9 degrees F (14.9 C) and OCNGS was in operation at 100% power with four circulating water pumps and two dilution pumps in operation. Skies were cloudy with no precipitation occurring at the time of the incidental take.

The turtle was fairly active when retrieved from the intake bay. Environmental personnel who took custody of the turtle confirmed it to be a juvenile Kemp's ridley sea turtle (Lepidochelys kempi). Although it is impossible to say precisely how long the turtle had been in the intake area prior to removal, the circulating water trash racks had been inspected less than four hours earlier and raked at approximately 0400 hours on the same day without the turtle being observed.

USNRC and NMFS personnel were notified of the incidental take within 24 hours.

The turtle was promptly handed over to personnel from the Marine Mammal Stranding Center (MMSC) in Brigantine, NJ later the same evening. The turtle measured 26.4 cm carapace length straight line and weighed 5.6 lb. After receipt at the MMSC personnel noticed that the animal was eating very little. The turtle was transferred to Riverhead Foundation in Riverhead, New York; a facility specializing in sea turtle rehabilitation prior to its eventual release.

Enclosure to RA-09-092

ATTACHMENT 1

Sea Turtle Stranding and Salvage Network - Stranding Reports

Take	MMSC Stranding Report No. / Date / Time / (condition and species)
2009-1	09-102 / Tuesday, June 23, 2009 / 1010 (Live juvenile Kemp's ridley)
2009-2	09-109 / Friday, July 17, 2009 / 1400 (Dead juvenile Kemp's ridley)
2009-3	09-110 / Thursday, July 23, 2009 / 1250 (Dead juvenile Kemp's ridley)
2009-4	09-114 / Wednesday, August 5, 2009 / 0220 (Live juvenile Kemp's ridley)
2009-5	09-117 / Saturday, August 15, 2009 / 1825 (Live juvenile Kemp's ridley)
2009-6	09-130 / Thursday, Sept 10, 2009 /1030 (Live juvenile Kemp's ridley)
2009-7	09-131 / Friday, Sept 11, 2009 / 1030 (Live juvenile Atlantic green)
2009-8	09-138 / Friday, Sept 25, 2009 / 1420 (Dead juvenile Kemp's ridley)
2009-9	09-139 / Friday, Sept 25, 2009 / 1440 (Dead juvenile Kemp's ridley)
2009-10	09-145 / Wednesday, Oct 7, 2009 / 1100 (Live juvenile Kemp's ridley)
2009-11	09-151 / Friday, October 30, 2009 / 1735 (Live juvenile Kemp's ridley)

SEA TURTLE STRANDING AND SALVAGE NETWORK – STRANDING REPORT

OBSERVER'S NAME / ADDRESS / PHONE:
First Jay M.I.____ Last Pagel
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 09 Month 06 Day 23
Turtle number by day 01
Field ID # MMSC-09-102
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.

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 Power Plant
Latitude 39.81417°N Longitude 74.20700°W

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

CONDITION: (check one)
- ☒ 0 = Alive
- ☐ 1 = Fresh dead
- ☐ 2 = Moderately decomposed
- ☐ 3 = Severely decomposed
- ☐ 4 = Dried carcass
- ☐ 5 = Skeleton, bones only

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? ____

SEX:
- ☒ Undetermined
- ☐ Female ☐ Male

Does tail extend beyond carapace?
- ☐ Yes; how far? cm / in
- ☐ No

How was sex determined?
- ☐ Necropsy
- ☐ Tail length (adult only)

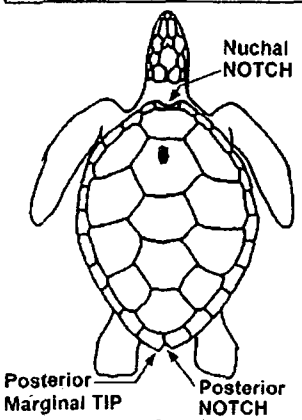
TAGS: ***Contact coordinator before disposing of any tagged animal!***
Checked for flipper tags? ☒ Yes ☐ No
Check all 4 flippers. If found, record tag number(s) / tag location / return address

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

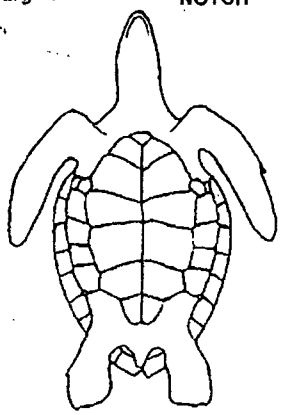
Coded wire tag scan? ☐ Yes ☒ No
If positive response, record location (flipper)
Unable to check for
Checked for living tag? ☒ Yes ☐ No
If found, record location (scute number & side)\

CARAPACE MEASUREMENTS: (*see drawing*)

Using calipers		**Circle unit**
Straight length (NOTCH-TIP)	30	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Straight width (Widest Point)	26.7	☒ cm ☐ in
Using non-metal measuring tape		**Circle unit**
Curved length (NOTCH–TIP)		☐ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Curved width (Widest Point)		☐ cm ☐ in
		Circle unit
Weight ☒ actual / ☐ est.	7.6	☐ kg ☒ 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.**



Incidental capture on intake grate at nuclear power plant. Turtle was active and alert. there were minor abrasions on plastron. There was a small amount of algae and a small chip on the carapace. Tagged and released on north end of Brigantine on 6/23/09.
metal tag RFF # SSL128 PIT tag LFF # 4313496662

4313496662

SEA TURTLE STRANDING AND SALVAGE NETWORK – STRANDING REPORT

OBSERVER'S NAME / ADDRESS / PHONE:
First Brandi M.I. ___ Last Biehl
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 09 Month 07 Day 17
Turtle number by day 01
Field ID # MMSC-09-109
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.

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 Power Plant
Latitude 39.81417°N Longitude 74.20700°W

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

CONDITION: (check one)
- ☐ 0 = Alive
- ☒ 1 = Fresh dead
- ☐ 2 = Moderately decomposed
- ☐ 3 = Severely decomposed
- ☐ 4 = Dried carcass
- ☐ 5 = Skeleton, bones only

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? ___

SEX:
- ☐ Undetermined
- ☒ Female ☐ Male

Does tail extend beyond carapace?
- ☐ Yes; how far? cm / in
- ☒ No

How was sex determined?
- ☒ Necropsy
- ☐ Tail length (adult only)

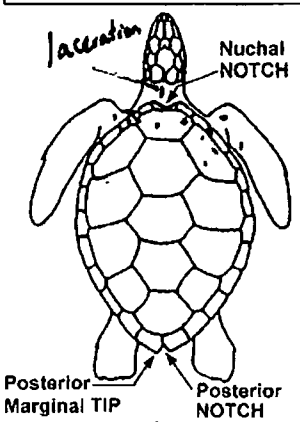
TAGS: ***Contact coordinator before disposing of any tagged animal!!***
Checked for flipper tags? ☒ Yes ☐ No
Check all 4 flippers. If found, record tag number(s) / tag location / return address

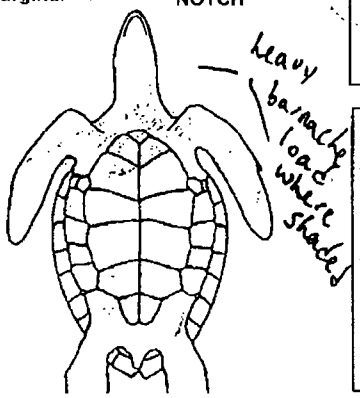
PIT tag scan? ☒ Yes ☐ No
If found, record number / tag location

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)\

CARAPACE MEASUREMENTS: (*see drawing*)

Using calipers		**Circle unit**
Straight length (NOTCH-TIP)	23.4	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Straight width (Widest Point)	20.4	☒ cm ☐ in
Using non-metal measuring tape		**Circle unit**
Curved length (NOTCH–TIP)	24.5	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Curved width (Widest Point)	24	☒ cm ☐ in
		Circle unit
Weight ☐ actual / ☒ est.	6.5	☐ kg ☒ 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.**

A fresh dead female Kemp's Ridley was examined. The carapace and dorsal surface had <20 barnacles. The ventral side and plastron had > 50 barnacles present. There was a small laceratin 1.5cm long on the dorsal side of the neck. It did not extend into the muscle layer. The right lobe of liver had multifocal hard nodules. The stomach was full of hard parts including crab claws etc. The intestines also contained hard parts. The turtle was found inpinged on the powerplants grate.Drowning could not be ruled out, but the state of the liver and severe barnacle load does suggest the turtle had been debilitated before the human interaction.

SEA TURTLE STRANDING AND SALVAGE NETWORK – STRANDING REPORT

OBSERVER'S NAME / ADDRESS / PHONE:
First Bill M.I.____ Last Deerr
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 09 Month 07 Day 23
Turtle number by day 01
Field ID # MMSC-09-110
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.

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

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

CONDITION: (check one)
- ☐ 0 = Alive
- ☒ 1 = Fresh dead
- ☐ 2 = Moderately decomposed
- ☐ 3 = Severely decomposed
- ☐ 4 = Dried carcass
- ☐ 5 = Skeleton, bones only

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? muscle sample - genetics
- ☐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?** ____

SEX:
- ☐ Undetermined
- ☒ Female ☐ Male

Does tail extend beyond carapace?
- ☐ Yes; how far? cm / in
- ☒ No

How was sex determined?
- ☒ Necropsy
- ☐ Tail length (adult only)

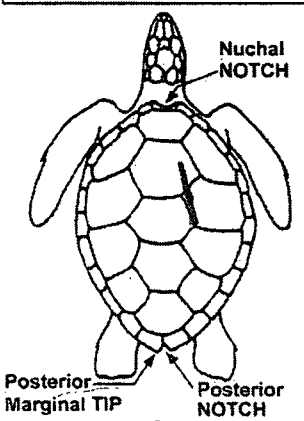
TAGS: ***Contact coordinator before disposing of any tagged animal!!***
Checked for flipper tags? ☒ Yes ☐ No
Check all 4 flippers. If found, record tag number(s) / tag location / return address

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

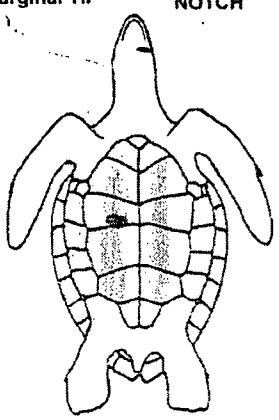
Coded wire tag scan? ☐ Yes ☒ No
If positive response, record location (flipper)
Unable to check for
Checked for living tag? ☒Yes ☐ No
If found, record location (scute number & side)\

CARAPACE MEASUREMENTS: (*see drawing*)

Using calipers		**Circle unit**
Straight length (NOTCH-TIP)	24.7	☒cm ☐in
Minimum length (NOTCH-NOTCH)		☐cm ☐in
Straight width (Widest Point)	24.1	☒cm ☐in
Using non-metal measuring tape		**Circle unit**
Curved length (NOTCH–TIP)	25.7	☒cm ☐in
Minimum length (NOTCH-NOTCH)		☐cm ☐in
Curved width (Widest Point)	26.9	☒cm ☐in
		Circle unit
Weight ☒ actual / ☐ est.	4.9	☐kg ☒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.**



The turtle was impinged on the intake pipe at the Oyster Creek Power Plant in Forked River, Ocean County, NJ. MMSC was notified of the turtle at 1:10 pm after the turtle had been at the plant for approximately 30 minutes. The plant staff stated the turtle was alive but not very responsive and that they were performing fisheries resuscitation procedures. MMSC was given custody of the turtle by the plant staff at 2:20pm at which time the turtle was completely unresponsive and pronounced dead. The necropsy was performed by MMSC Staff. Findings include: 6.5cm scrape on carapace, bruising on plastron, 2.8x1.2cm chip on plastron, 1 cm cut under left mandible, crab hard parts and digesta were in the stomach and entire length of the intestines, a small amount of urine was in the bladder, left lung was full of froth, right lung was full of froth and blood clots (approx. 1mm in diameter and 1-6 mm in length), no abnormalities noted in other organs. Findings are consistent with drowning.

SEA TURTLE STRANDING AND SALVAGE NETWORK – STRANDING REPORT

OBSERVER'S NAME / ADDRESS / PHONE:
First Brandi M.I. ____ Last Biehl
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 09 Month 08 Day 05
Turtle number by day 01
Field ID # MMSC-09-114
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.

STRANDING LOCATION: ☐ Offshore (Atlantic or Gulf beach) ☒ Inshore (bay, river, sound, inlet, etc)
State New Jersey County Ocean
Descriptive location (be specific) Oyster Creek Power Plant, Forked River
Latitude 39.81417°N Longitude 74.20700°W

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

CONDITION: (check one)
- ☒ 0 = Alive
- ☐ 1 = Fresh dead
- ☐ 2 = Moderately decomposed
- ☐ 3 = Severely decomposed
- ☐ 4 = Dried carcass
- ☐ 5 = Skeleton, bones only

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? ____

SEX:
- ☒ Undetermined
- ☐ Female ☐ Male

Does tail extend beyond carapace?
- ☐ Yes: how far? cm / in
- ☐ No

How was sex determined?
- ☐ Necropsy
- ☐ Tail length (adult only)

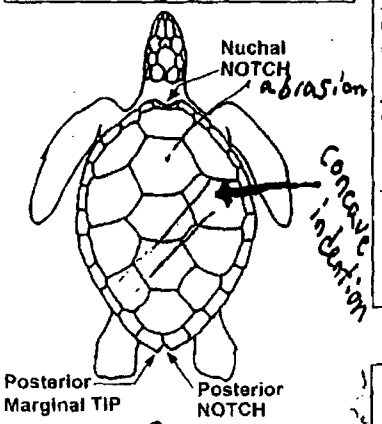
TAGS: ***Contact coordinator before disposing of any tagged animal!!***
Checked for flipper tags? ☒ Yes ☐ No
Check all 4 flippers. If found, record tag number(s) / tag location / return address

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

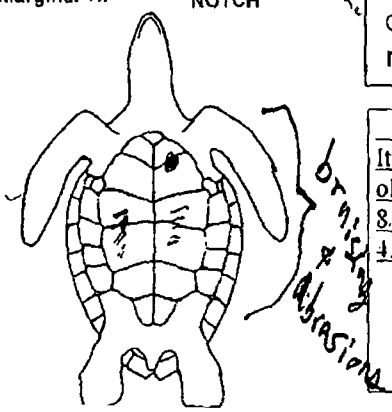
Coded wire tag scan? ☐ Yes ☒ No
If positive response, record location (flipper)
Unable to check for
Checked for living tag? ☒ Yes ☐ No
If found, record location (scute number & side)

CARAPACE MEASUREMENTS: (*see drawing*)

Using calipers		**Circle unit**
Straight length (NOTCH-TIP)	23	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Straight width (Widest Point)	21.1	☒ cm ☐ in
Using non-metal measuring tape		**Circle unit**
Curved length (NOTCH–TIP)	24.2	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Curved width (Widest Point)	22.8	☒ cm ☐ in
		Circle unit
Weight ☒ actual / ☐ est.	3.9	☐ kg ☒ 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.**



The turtle was picked up from Oyster Creek Power Plant after being impinged on water grate. It was lethargic during transport. The carapace was indented and appeared to be a birth defect or old injury. There were a few small abrasions on plastron. Animal was held for observation until 8/11/09. It was eating and diving regularly. The turtle was released in Brigantine, NJ weighing 4.1lbs. LFF was metal tagged #SSL124 and RFF was pit tagged # 4360797175.

4360797175

SEA TURTLE STRANDING AND SALVAGE NETWORK – STRANDING REPORT

OBSERVER'S NAME / ADDRESS / PHONE:
First Brandi M.I.____ Last Biehl
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 09 Month 08 Day 15
Turtle number by day 01
Field ID # MMSC-09-117
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.

STRANDING LOCATION: ☐Offshore (Atlantic or Gulf beach) ☒Inshore (bay, river, sound, inlet, etc)
State New Jersey County Ocean
Descriptive location (be specific) Oyster Creek Power Plant, Forked River
Latitude 39.81417°N Longitude 74.20700°W

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

CONDITION: (check one)
- ☒ 0 = Alive
- ☐ 1 = Fresh dead
- ☐ 2 = Moderately decomposed
- ☐ 3 = Severely decomposed
- ☐ 4 = Dried carcass
- ☐ 5 = Skeleton, bones only

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?** _____

SEX:
- ☒ Undetermined
- ☐ Female ☐ Male

Does tail extend beyond carapace?
- ☐ Yes; how far? cm / in
- ☐ No

How was sex determined?
- ☐ Necropsy
- ☐ Tail length (adult only)

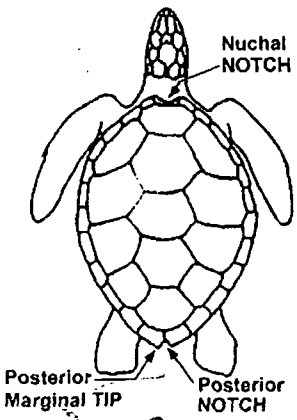
TAGS: ***Contact coordinator before disposing of any tagged animal!!***
Checked for flipper tags? ☒ Yes ☐ No
Check all 4 flippers. If found, record tag number(s) / tag location / return address

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

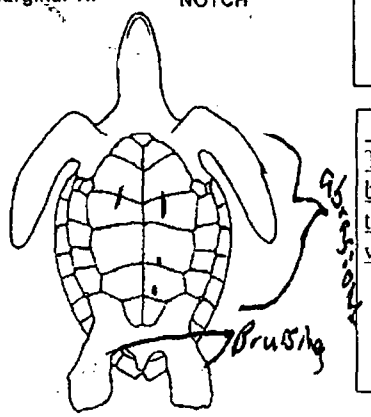
Coded wire tag scan? ☐ Yes ☒ No
If positive response, record location (flipper)
Unable to check for
Checked for living tag? ☒Yes ☐ No
If found, record location (scute number & side)\

CARAPACE MEASUREMENTS: (*see drawing*)

Using calipers		**Circle unit**
Straight length (NOTCH-TIP)	30.7	☒cm ☐in
Minimum length (NOTCH-NOTCH)		☐cm ☐in
Straight width (Widest Point)	28.4	☒cm ☐in
Using non-metal measuring tape		**Circle unit**
Curved length (NOTCH–TIP)	32	☒cm ☐in
Minimum length (NOTCH-NOTCH)		☐cm ☐in
Curved width (Widest Point)	33.1	☒cm ☐in
		Circle unit
Weight ☒ actual / ☐ est.	10.2	☐kg ☒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.**



The turtle was picked up from Oyster Creek Power Plant after being impinged on water grate. The carapace had no significant injuries. There were several abrasions on plastron and some bruising. Animal was held for observation until 8/17/09. It was eating and diving regularly. The turtle was released in Brigantine, NJ weighing10.3lbs. LFF was metal tagged #SSL125 and RFF was pit tagged # 431012377C.

431012377C

SEA TURTLE STRANDING AND SALVAGE NETWORK – STRANDING REPORT

OBSERVER'S NAME / ADDRESS / PHONE:
First Bill M.I. ____ Last Deerr
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 09 Month 09 Day 10
Turtle number by day 01
Field ID # MMSC-09-130
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.

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
NPGS
Latitude 39.81417°N Longitude 74.20700°W

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

CONDITION: (check one)
- ☒ 0 = Alive
- ☐ 1 = Fresh dead
- ☐ 2 = Moderately decomposed
- ☐ 3 = Severely decomposed
- ☐ 4 = Dried carcass
- ☐ 5 = Skeleton, bones only

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? ____
  MMSC then Transferred to Riverhead Foundation
- ☐ 8 = Left floating, not recovered; painted? ☐ Yes* ☐ No
- ☐ 9 = Disposition unknown, explain ____

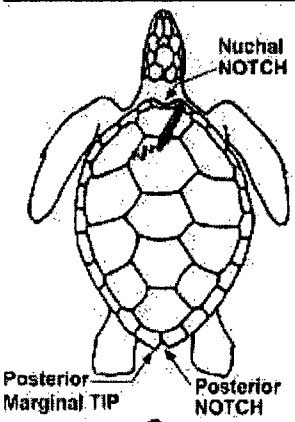
If painted, what color? ____

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

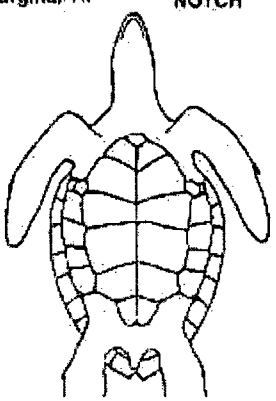
TAGS: ***Contact coordinator before disposing of any tagged animal!***
Checked for flipper tags? ☒ Yes ☐ No
Check all 4 flippers. If found, record tag number(s) / tag location / return address
____
PIT tag scan? ☒ Yes ☐ No
If found, record number / tag location
____
Coded wire tag scan? ☐ Yes ☒ No
If positive response, record location (flipper)
Unable to check for
Checked for living tag? ☒ Yes ☐ No
If found, record location (scute number & side)\
____

CARAPACE MEASUREMENTS: (*see drawing*)

Using calipers		**Circle unit**
Straight length (NOTCH-TIP)	24.7	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Straight width (Widest Point)	23	☒ cm ☐ in
Using non-metal measuring tape		**Circle unit**
Curved length (NOTCH–TIP)	25.8	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Curved width (Widest Point)	27	☒ cm ☐ in
		Circle unit
Weight ☒ actual / ☐ est.	4.8	☐ kg ☒ 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.**



The turtle was impinged on the power plant's water intake grate. It was very lethargic upon arrival at MMSC. There is a prop cut across the anterior portion of the carapace that measures 10.4 cm overall. The turtle was transferred to Riverhead Foundation for long term rehabilitation on 9/16/09.

SEA TURTLE STRANDING AND SALVAGE NETWORK – STRANDING REPORT

OBSERVER'S NAME / ADDRESS / PHONE:
First Bill M.I. ____ Last Deerr
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 09 Month 09 Day 11
Turtle number by day 01
Field ID # MMSC-09-131
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.

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 NPGS
Latitude 39.81417°N Longitude 74.20700°W

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

CONDITION: (check one)
- ☒ 0 = Alive
- ☐ 1 = Fresh dead
- ☐ 2 = Moderately decomposed
- ☐ 3 = Severely decomposed
- ☐ 4 = Dried carcass
- ☐ 5 = Skeleton, bones only

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? MMSC
- ☐ 8 = Left floating, not recovered; painted? ☐ Yes* ☐ No
- ☐ 9 = Disposition unknown, explain ____

If painted, what color? ____

SEX:
- ☒ Undetermined
- ☐ Female ☐ Male

Does tail extend beyond carapace?
- ☐ Yes, how far? cm / in
- ☐ No

How was sex determined?
- ☐ Necropsy
- ☐ Tail length (adult only)

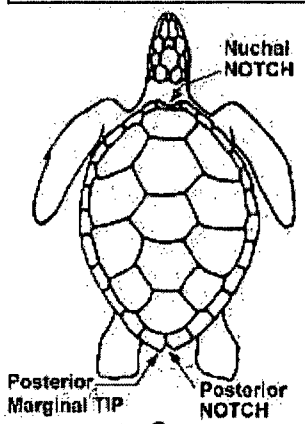
TAGS: ***Contact coordinator before disposing of any tagged animal!***
Checked for flipper tags? ☒ Yes ☐ No
Check all 4 flippers. If found, record tag number(s) / tag location / return address

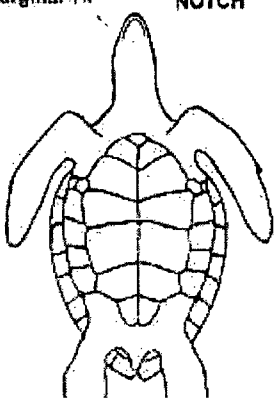
PIT tag scan? ☒ Yes ☐ No
If found, record number / tag location

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)

CARAPACE MEASUREMENTS: (*see drawing*)

Using calipers		**Circle unit**
Straight length (NOTCH-TIP)	26.5	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Straight width (Widest Point)	20.8	☒ cm ☐ in
Using non-metal measuring tape		**Circle unit**
Curved length (NOTCH–TIP)	27.5	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Curved width (Widest Point)	23	☒ cm ☐ in
		Circle unit
Weight ☒ actual / ☐ est.	5.4	☐ kg ☒ 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.**

This turle was impinged on the intake pipe at Oyster Creek Nuclear PGS. It was alive, bright, alert, responsive and active. There were no injuries, abnormalities, or epibiota on this animal. The turtle began eating, swimming and diving normally upon arrival at MMSC. Released 9/18/2009 in Brigantine, NJ.
Tags: RFF metal # SSL129 and LFF PIT # 472405150A

472405150A

SEA TURTLE STRANDING AND SALVAGE NETWORK – STRANDING REPORT

OBSERVER'S NAME / ADDRESS / PHONE:
First Bill M.I. ____ Last Deerr
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 09 Month 09 Day 25
Turtle number by day 01
Field ID # MMSC-09-138
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.

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
NPGS
Latitude 39.81417°N Longitude 74.20700°W

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

CONDITION: (check one)
- ☐ 0 = Alive
- ☐ 1 = Fresh dead
- ☒ 2 = Moderately decomposed
- ☐ 3 = Severely decomposed
- ☐ 4 = Dried carcass
- ☐ 5 = Skeleton, bones only

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? muscle for genetics
- ☐ 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?

SEX:
- ☐ Undetermined
- ☐ Female ☒ Male

Does tail extend beyond carapace?
- ☐ Yes; how far? ☐ cm/☐ in
- ☒ No

How was sex determined?
- ☒ Necropsy
- ☐ Tail length (adult only)

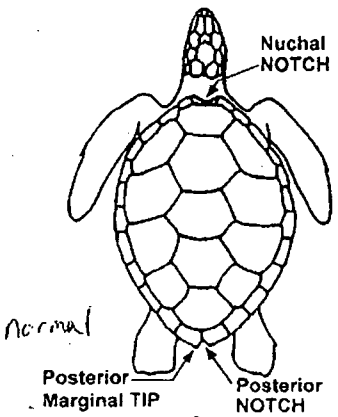
TAGS: ***Contact coordinator before disposing of any tagged animal!!***
Checked for flipper tags? ☒ Yes ☐ No
Check all 4 flippers. If found, record tag number(s) / tag location / return address

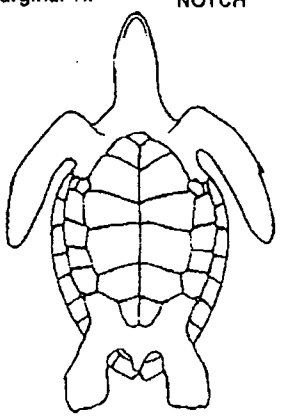
PIT tag scan? ☒ Yes ☐ No
If found, record number / tag location

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)\

CARAPACE MEASUREMENTS: ***(see drawing)***

Using calipers		**Circle unit**
Straight length (NOTCH-TIP)	21.4	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Straight width (Widest Point)	22.2	☒ cm ☐ in
Using non-metal measuring tape		**Circle unit**
Curved length (NOTCH–TIP)	19.8	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Curved width (Widest Point)	22.4	☒ cm ☐ in
		Circle unit
Weight ☒ actual / ☐ est.	3.5	☐ kg ☒ 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.**

The turtle was impinged on a water intake grate. The GI tract contained crab parts. There was no obvious COD. Necropsy was performed by MMSC Staff. Photos on file at MMSC. Buried on the beach.

SEA TURTLE STRANDING AND SALVAGE NETWORK – STRANDING REPORT

OBSERVER'S NAME / ADDRESS / PHONE:
First Bill M.I. ____ Last Deerr
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 09 Month 09 Day 25
Turtle number by day 02
Field ID # MMSC-09-139
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.

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
NPGS
Latitude 39.81417°N Longitude 74.20700°W

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

CONDITION: (check one)
- ☐ 0 = Alive
- ☒ 1 = Fresh dead
- ☐ 2 = Moderately decomposed
- ☐ 3 = Severely decomposed
- ☐ 4 = Dried carcass
- ☐ 5 = Skeleton, bones only

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? ____
  Muscle for genetics
- ☐ 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? ____

SEX:
- ☐ Undetermined
- ☒ Female ☐ Male

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

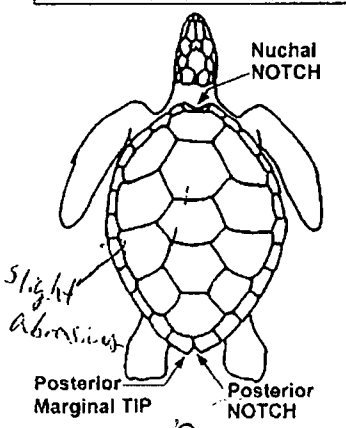
TAGS: ***Contact coordinator before disposing of any tagged animal!!***
Checked for flipper tags? ☒ Yes ☐ No
Check all 4 flippers. If found, record tag number(s) / tag location / return address

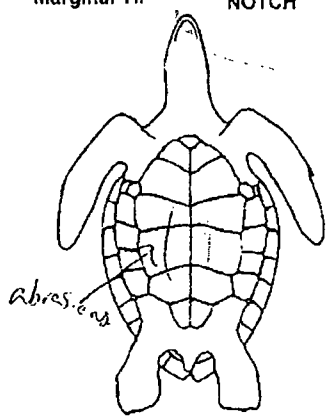
PIT tag scan? ☒ Yes ☐ No
If found, record number / tag location

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)\

CARAPACE MEASUREMENTS: (*see drawing*)

Using calipers		**Circle unit**
Straight length (NOTCH-TIP)	27	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Straight width (Widest Point)	24.5	☒ cm ☐ in
Using non-metal measuring tape		**Circle unit**
Curved length (NOTCH–TIP)	28.8	☐ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Curved width (Widest Point)	28	☐ cm ☐ in
Weight ☒ actual / ☐ est.	6.1	☐ kg ☒ 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.**

The turtle was impinged on a water intake grate. It was reported alive to MMSC, but when MMSC arrived on scene the turtle had died. It was necropsied by MMSC staff. There was a small amount of fluid in the lungs, and they felt compressed. The digestive tract was full of crab hard parts. The bladder had a small amount of urine. Drowning is likely COD.

SEA TURTLE STRANDING AND SALVAGE NETWORK – STRANDING REPORT

OBSERVER'S NAME / ADDRESS / PHONE:
First Brandi M.I.____ Last Biehl
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 09 Month 10 Day 07
Turtle number by day 01
Field ID # MMSC-09-145
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 NPGS, impinged on intake grate
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

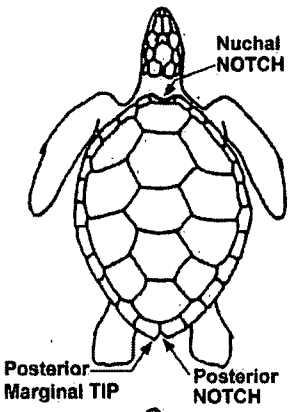
TAGS: ***Contact coordinator before disposing of any tagged animal!***
Checked for flipper tags? ☒ Yes ☐ No
Check all 4 flippers. If found, record tag number(s) / tag location / return address
____
PIT tag scan? ☒ Yes ☐ No
If found, record number / tag location
____
Coded wire tag scan? ☐ Yes ☒ No
If positive response, record location (flipper)
Unable to check for
Checked for living tag? ☒ Yes ☐ No
If found, record location (scute number & side)\
____

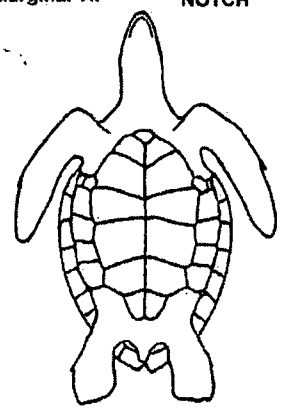
FINAL DISPOSITION: (check)
- ☐ 1 = Left on beach where found; painted? ☐ Yes* ☐ No(5)
- ☐ 2 = Buried: ☐ on beach / ☐ off beach; carcass painted before buried? ☐ Yes* ☐ No
- ☒ 3 = Salvaged: ☐ all / ☒ part(s), what/why? ____ flipper punch-genetics; histology samples-Univ. of FL
- ☐ 4 = Pulled up on beach/dune; painted? ☐ Yes* ☐ No
- ☐ 6 = Alive, released
- ☒ 7 = Alive, taken to rehab. facility, where? ____ MMSC
- ☐ 8 = Left floating, not recovered; painted? ☐ Yes* ☐ No
- ☒ 9 = Disposition unknown, explain ____ carcass sent to Univ. of FL for necropsy then disposed of

If painted, what color? ____

CARAPACE MEASUREMENTS: (*see drawing*)

Using calipers		**Circle unit**
Straight length (NOTCH-TIP)	31.6	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Straight width (Widest Point)	29.6	☒ cm ☐ in
Using non-metal measuring tape		**Circle unit**
Curved length (NOTCH–TIP)	33	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Curved width (Widest Point)	33.4	☒ cm ☐ in
		Circle unit
Weight ☒ actual / ☐ est.	10	☐ kg ☒ 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.**

Incidental capture; Impinged on water intake grate; lethargic; bruising on flippers; bloodshot eyes; Taken to MMSC for observation and treatment; the turtle was found dead in its pen on the morning of Oct. 10, 2009. Carcass was sent to Dr. Brian Stacey at the University of Florida for necropsy. Necropsy report on file at MMSC and NMFS NER.

SEA TURTLE STRANDING AND SALVAGE NETWORK – STRANDING REPORT

OBSERVER'S NAME / ADDRESS / PHONE:
First Bill M.I. ___ Last Deerr
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 09 Month 10 Day 30
Turtle number by day 01
Field ID # MMSC-09-151
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 NPGS
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

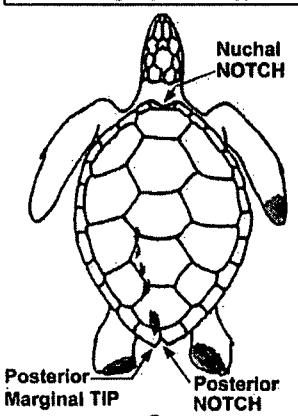
Coded wire tag scan? ☐ Yes ☒ No
If positive response, record location (flipper)
Unable to check for
Checked for living tag? ☒ Yes ☐ No
If found, record location (scute number & side)\

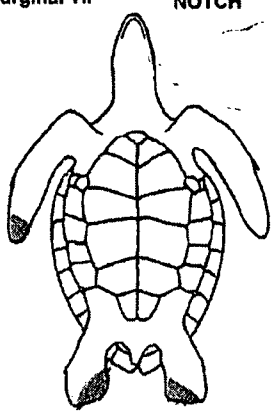
FINAL DISPOSITION: (check)
- ☐ 1 = Left on beach where found; painted? ☐ Yes* ☐ No(5)
- ☐ 2 = Buried: ☐ on beach / ☐ off beach; carcass painted before buried? ☐ Yes* ☐ No
- ☐ 3 = Salvaged: ☐ all / ☐ part(s), what/why?
- ☐ 4 = Pulled up on beach/dune; painted? ☐ Yes* ☐ No
- ☐ 6 = Alive, released
- ☒ 7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

If painted, what color?

CARAPACE MEASUREMENTS: (*see drawing*)

Using calipers		**Circle unit**
Straight length (NOTCH-TIP)	26.4	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Straight width (Widest Point)	24.7	☒ cm ☐ in
Using non-metal measuring tape		**Circle unit**
Curved length (NOTCH–TIP)	27.7	☒ cm ☐ in
Minimum length (NOTCH-NOTCH)		☐ cm ☐ in
Curved width (Widest Point)	29.0	☒ cm ☐ in
		Circle unit
Weight ☒ actual / ☐ est.	5.6	☐ kg ☒ 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.**

Incidental Capture; impinged on intake grate; animal was lethargic and cold; skin was pink; turtle was dehydrated with sunken eyes; algae covering carapace, head, and plastron; missing tips of RFF,LRF, & RRF; small chip near rear tip of carapace; several small holes in carapace on left rear side near midline; a few tiny barnacles on carapace near front of ridge; no tags;
11/2/09 - transferred to Riverhead Foundation for longterm treatment