

NRR-PMDAPEm Resource

From: Pego, Michael A <Michael.Pego@pseg.com>
Sent: Monday, April 11, 2016 10:01 AM
To: EndangeredSpecies Resource
Subject: [External_Sender] PSEG Nuclear Atlantic Sturgeon - 4/8/16
Attachments: Atlantic Sturgeon Report for 04-08-16.pdf

Please do not hesitate to contact me with any questions or concerns.

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Subject: [External_Sender] PSEG Nuclear Atlantic Sturgeon - 4/8/16
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From: Pego, Michael A

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Files	Size	Date & Time
MESSAGE	934	4/11/2016 10:01:02 AM
Atlantic Sturgeon Report for 04-08-16.pdf		1366111

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
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Appendix C, Part 2A (Sturgeon)

Photographs should be taken and the following information should be collected from all sturgeon (alive and dead). Please submit all necropsy results (including sex and stomach contents) to NMFS upon receipt. You must also complete and submit the "Sturgeon Data Collection Form"

Observer's full name: Douglas E. Potts (Environmental Consulting Services, Inc.)
Reporter's full name: Douglas E. Potts

Species Identification : Atlantic Sturgeon (Acipenser oxyrinchus)

Site of Collection: PSEG Salem Generating Station, SGS Unit 2; CWI 22B

Date animal observed: 04/08/2016 Time animal observed: 09:00am
Date animal collected: 04/08/2016 Time animal collected: 09:00am

Environmental conditions at time of observation (i.e., tidal stage, weather):

Air temp.: (7.5) °C; sal.: 5.0 ppt; wind -W; sky -clear; wave -moderate; tide - Ebbslk (90.5ft)

If removed from intakes (trash racks or travelling screens):

Date and time of last inspection of screen: 04/07/2016 at 20:06am
Water temperature (°C) at site and time of observation: 12.5 °C

Number of pumps operating at time of observation: Unit 1 – 6 pumps / Unit 2 – 6 pumps

Average percent of power generating capacity achieved per unit at time of observation: Unit 1- 99.9%/Unit 2 – 99.9%

Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: Unit 1 – 99.9%/Unit 2 – 99.9%

STURGEON DATA COLLECTION FORM

For use in documenting sturgeon injury or mortality incidental to a federal action

OBSERVER'S CONTACT INFORMATION

Name: First Douglas Last Potts

Agency Affiliation PSEG subcontractor Email dpotts@ecsi-del.com

Address 100 South Cass Street, Middletown, DE 19709

Area code/Phone number (302) 378-9881

SEC 7 UNIQUE IDENTIFIER (PCTS
No. Assigned by NMFS)

DATE REPORTED:

Month 04 Day 08 Year 2016

DATE EXAMINED:

Month 04 Day 08 Year 2016

SPECIES: (check one)

☐ shortnose sturgeon

☒ Atlantic sturgeon

☐ Unidentified *Acipenser* species

Check "Unidentified" if uncertain.

See reverse side of this form for aid in identification.

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

River/Body of Water Delaware River City Hancocks Bridge State NJ

Descriptive location (be specific) Removed from Circulating Water Intake Structure (CWIS) intake trash racks, intake bay 22B, during routine trash rack cleaning at the Salem Generating Station, PSEG Nuclear LLC.

Latitude 39° 27'38.17 N (Dec. Degrees) Longitude 75° 32'10.08 W (Dec. Degrees)

CARCASS CONDITION at time examined: (check one)

☐ 1 = Fresh dead

☐ 2 = Moderately decomposed

☒ 3 = Severely decomposed

☐ 4 = Dried carcass

☐ 5 = Skeletal, scutes & cartilage

SEX:

☒ Undetermined

☐ Female ☐ Male

How was sex determined?

☐ Necropsy

☐ Eggs/mlt present when pressed

☐ Borescope

MEASUREMENTS:

Circle unit

Fork length

210.3cm

Total length

213.4 cm

Length ☒ actual ☐ estimate

Mouth width (inside lips, see reverse side)

6.4 cm

Interorbital width (see reverse side)

21.6 cm

Weight ☐ actual ☒ estimate

50.0kg

TAGS PRESENT? Examined for external tags including fin clips? ☒ Yes ☐ No

Tag #

Tag Type

Scanned for PIT tags? ☒ Yes ☐ No

Location of tag on carcass

CARCASS DISPOSITION: (check one or more)

☐ 1 = Left where found

☐ 2 = Buried

☐ 3 = Collected for necropsy/salvage

☐ 4 = Frozen for later examination

☒ 5 = Other (describe) Specimen was deceased and severely decomposed. Specimen was discarded on-site as directed by PSEG Nuclear Environmental Affairs.

Carcass Necropsied?

☐ Yes ☒ No

Date Necropsied: _____

Necropsy Lead: _____

PHOTODOCUMENTATION:

Photos/video taken? ☒ Yes ☐ No

Disposition of Photos/Video PSEG Nuclear Environmental Affairs personnel.

SAMPLES COLLECTED? ☐ Yes ☒ No

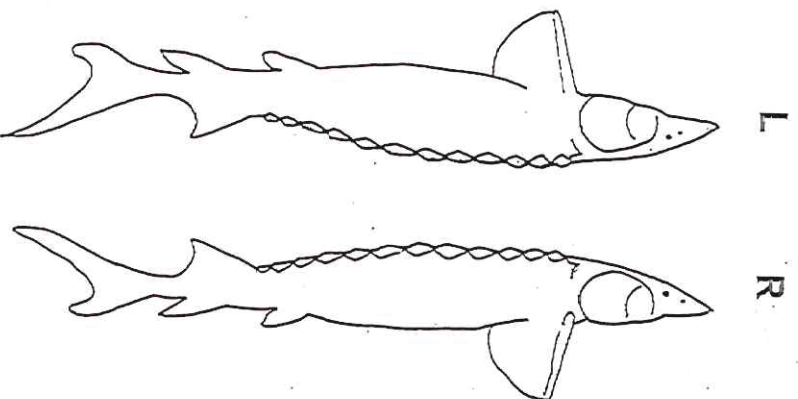
Sample

How preserved

Disposition (person, affiliation, use)

Comments: The deceased Atlantic sturgeon was observed from outside the Salem Circulating Water Intake Structure during routine trash rack cleaning on 04/08/16, at 09:00am. Positive identification was made by Environmental Consulting Services personnel at 09:05am. The specimen was in very poor condition, being in a state of extreme decomposition at the time of collection. The specimen was measured, photographed, and inspected for tags, but none were found. A pelvic fin clip was not collected due to the state of decay. New Jersey DEP, Division of Fish and Wildlife, and National Marine Fisheries (NMFS) were contacted at 09:58am and 09:53am respectively, in regards to the incidental take. At the direction of PSEG Nuclear Environmental Affairs, the specimen was discarded on-site, in a facility waste receptacle after the completion of processing.

Draw wounds, abnormalities, tag locations on diagram and briefly describe below



Describe any wounds / abnormalities (note tar or oil, gear or debris entanglement, propeller damage, etc.). **Please note if no wounds / abnormalities are found. Specimen was deceased and in very poor condition at the time of collection. The state of extreme decay indicates that the specimen has been deceased for a long period of time. The cause of death is unknown, but was not likely plant related.**

Submit completed forms (within 24 hours of observation of fish): by e-mail to IncidentalTake@noaa.gov or by fax (978-281-9394). Questions can be directed to NMFS Protected Resources Division at 978-281-9328.

Data Access Policy: Upon written request, information submitted to National Marine Fisheries Service (NOAA Fisheries) on this form will be released to the requestor provided that the requestor credit the collector of the information and NOAA Fisheries. NOAA Fisheries will notify the collector that these data have been requested and the intent of their use.

Photographs



View showing the condition of the deceased Atlantic Sturgeon (*Acipenser oxyrinchus*), retrieved at 09:00am on 04/08/16 by Salem Yard Crew personnel during routine trash rack cleaning at the PSEG Salem CWIB. The specimen was deceased and extremely decomposed at the time of collection (04/08/2016).



View showing a closer view of the head, as well as the extreme state of decomposition. Specimen was checked for tags, but none were detected (04/08/2016).

Photographs



This photo provides another ventral view of the specimen. The shortened rostrum suggests the specimen to be a shortnose sturgeon, however measuring approximately seven (7) feet in length, the large size indicates that the fish is an Atlantic. This observation, along with a mouth to interorbital width of <55% and the existence of bony plates above the anal base also confirm the species identification 04/08/2016).



This view shows the remains of the anal fin, with the bony plates located at the base. The specimen was in such poor condition that a fin clip could not be obtained (04/08/2016).