

NRR-PMDAPEm Resource

From: Pego, Michael A <Michael.Pego@pseg.com>
Sent: Thursday, March 24, 2016 11:30 AM
To: EndangeredSpecies Resource
Subject: [External_Sender] PSEG Nuclear Atlantic Sturgeon 3/23/16 (Second Sturgeon)
Attachments: PSEG Nuclear Atlantic Sturgeon Report #2 for 3-23-16.pdf

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Subject: [External_Sender] PSEG Nuclear Atlantic Sturgeon 3/23/16 (Second Sturgeon)
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PSEG Nuclear Atlantic Sturgeon Report #2 for 3-23-16.pdf		1515173

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
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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: Edwin Obrecht (Environmental Consulting Services, Inc.)

Reporter's full name: Edwin Obrecht

Species Identification : Atlantic Sturgeon (Acipenser oxyrinchus)

Site of Collection: PSEG Salem Generating Station, SGS Unit 1; CWI 13B

Date animal observed: 03/23/2016 Time animal observed: 10:35pm

Date animal collected: 03/23/2016 Time animal collected: 10:35pm

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

Air temp.: (15.5)°C; sal. - 5.0 ppt; wind – SW; sky – partly cloudy; wave – slight; tide – FL 2 (92.0ft)

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

Date and time of last inspection of screen: 03/23/2016 at 08:15am

Water temperature (°C) at site and time of observation: 9.5 °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- 100%/Unit 2 – 100%

Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: Unit 1 – 100%/Unit 2 – 100%

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) 376-9881

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

DATE REPORTED:

Month 03 Day 23 Year 2016

DATE EXAMINED:

Month 03 Day 23 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 13B, 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/milt present when pressed
☐ Bore scope

MEASUREMENTS:

Fork length Circle unit
Total length ~ 62.0 cm
Length ☒ actual ☐ estimate ~ 71.0 cm
Mouth width (inside lips, see reverse side) 2.5 cm
Interorbital width (see reverse side) 5.5 cm
Weight ☒ actual ☐ estimate 2.36 kg

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)

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

Pelvic fin clip _____ stored in non-denatured ethanol

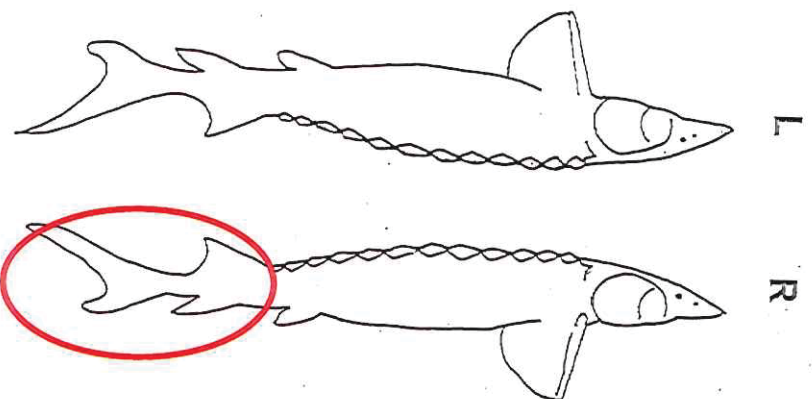
and then refrigerated.

Disposition (person, affiliation, use)

Held at the Office of ECSI: waiting for further instruction on disposition.

Comments: The Atlantic sturgeon was observed from outside the Salem Circulating Water Intake Structure during routine trash rack cleaning on 03/23/16, at 10:35am. Positive identification was made by Environmental Consulting Services personnel at 10:48am. The specimen was deceased and was severely damaged, with the posterior portion, from the dorsal fin to the caudal fin, missing. The specimen was measured, photographed, and inspected for tags, but none were found. A pelvic fin clip was also collected. New Jersey DEP, Division of Fish and Wildlife, and National Marine Fisheries (NMFS) were contacted at 11:04 and 10:57 am respectively, in regards to the incidental take. Upon completion of processing, the specimen was placed on ice and transported off-site to the ECSI main office. The specimen and the fin clip have been preserved and placed in cold storage, awaiting further direction on disposition.

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



Posterior portion of specimen missing.

Describe any wounds / abnormalities (note tar or oil, gear or debris entanglement, propeller damage, etc.). **Please note if no wounds / abnormalities are found.** The specimen was deceased and was observed to have its posterior portion missing, from the dorsal fin to the caudal fin (refer to illustration above). A tail portion collected with another sturgeon earlier in the day appears to be associated with this specimen. The carcass remains were placed on ice and transported back to the ECSI office for cold storage, waiting instructions on further disposition.

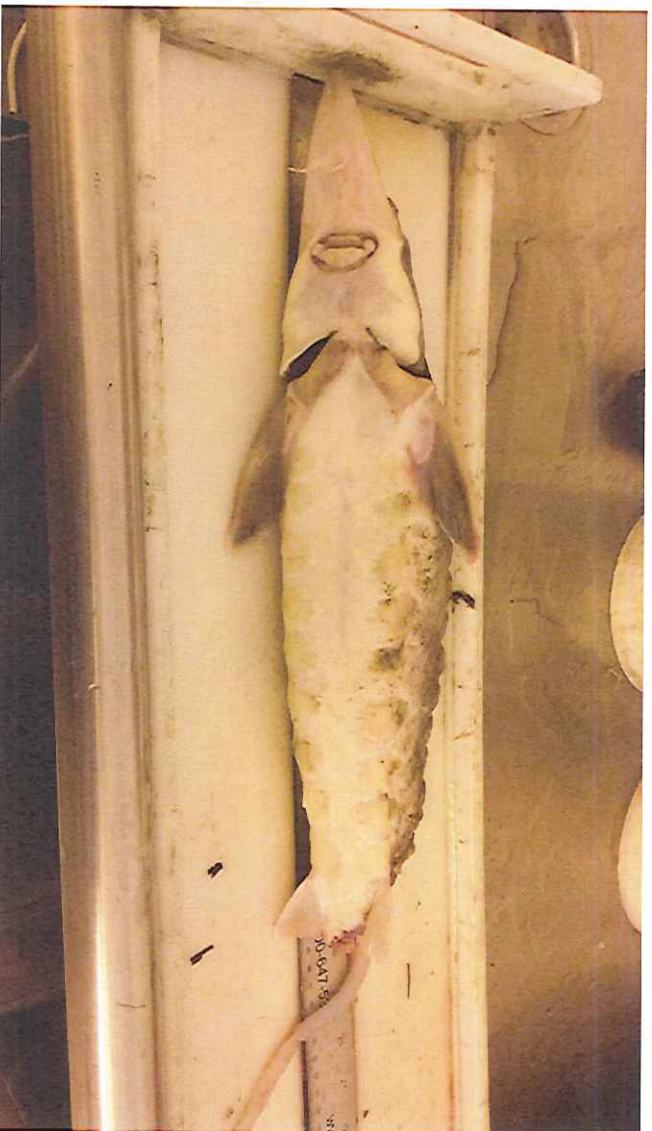
Submit completed forms (within 24 hours of observation of fish): by e-mail to [Incidental Take@noaa.gov](mailto:IncidentalTake@noaa.gov) or by fax (978-281-9394). Questions can be directed to NMFS Protected Resources Division at 978-281-9328.

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 10:35am on 03/23/16 by Salem Yard Crew personnel during routine trash rack cleaning at the PSEG Salem CW/B. The specimen was deceased at the time of collection and was missing its entire tail. (03/23/2016).



This photo provides a ventral view. The tail portion for this fish appears to have been collected with the first sturgeon collection that occurred earlier in the morning. (03/23/2016).

Photographs



This photo, taken back at the ECSI office, provides a view of the specimen, with the tail section that was retrieved with the first sturgeon collection of the day. The tail section appears to be the associated with this specimen, but this could not be substantiated (03/23/2016).



Another photo of the specimen, taken back at the ECSI office. Upon closer inspection in the lab, the left pelvic fin provided evidence of a potential prior fin clip collection. A check for tags was performed on the torso portion and the separated tail portion, but no tags were indicated. A second fin clip was taken by ECSI personnel from the right pelvic fin for testing. The fin sample as well as the entire specimen have been placed in cold storage, waiting for direction on disposition (03/23/2016).

Photographs



A photo showing a close-up of what appears to be a prior fin clip on the left pelvic fin (03/23/2016).



This photo provides another ventral view of the specimen, and shows the small mouth and elongated rostrum, each a characteristic feature of the species (03/23/2016).