

## **NRR-PMDAPEm Resource**

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**From:** Pego, Michael A <Michael.Pego@pseg.com>  
**Sent:** Friday, May 27, 2016 1:07 PM  
**To:** EndangeredSpecies Resource  
**Subject:** [External\_Sender] Atlantic Sturgeon Incidental Take (5/26/16)  
**Attachments:** Atlantic Sturgeon Collection Report 052616.pdf

Good Afternoon,

Attached is the report documenting the collection of a deceased and decomposed Atlantic Sturgeon from Salem Generating Station, Unit 2 Circulating Water intake on May 26<sup>th</sup>, 2016. If you have any questions or require more information please do not hesitate to contact me. Thank you.

*Michael A. Pego  
Environmental Coordinator  
PSEG Nuclear - Nuclear Environmental Affairs  
Office - (856)-339-1404  
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**Email Number:** 2871

**Mail Envelope Properties** (A420DA7E700C0F418B725B20C04D5C834337F20045)

**Subject:** [External\_Sender] Atlantic Sturgeon Incidental Take (5/26/16)  
**Sent Date:** 5/27/2016 1:07:07 PM  
**Received Date:** 5/27/2016 1:07:41 PM  
**From:** Pego, Michael A

**Created By:** Michael.Pego@pseg.com

**Recipients:**  
"EndangeredSpecies Resource" <EndangeredSpecies.Resource@nrc.gov>  
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MESSAGE	1187	5/27/2016 1:07:41 PM
Atlantic Sturgeon Collection Report 052616.pdf		1384128

**Options**  
**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

## 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: Brian Murphy (Environmental Consulting Services, Inc.)

Reporter's full name: Brian Murphy

Species Identification : Atlantic Sturgeon (Acipenser oxyrinchus)

Site of Collection: PSEG Salem Generating Station, SGS Unit 2; CWI 21B

Date animal observed: 05/26/2016 Time animal observed: 14:00pm

Date animal collected: 05/26/2016 Time animal collected: 14:00pm

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

Air temp.: (30.5) °C; sal.: 6.0 ppt; wind –SE; sky – clear; wave – slight; tide – FL2 (92.5ft)

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

Date and time of last inspection of screen: 05/26/2016 at 10:44am

Water temperature (°C) at site and time of observation: 19.5 °C

Number of pumps operating at time of observation: Unit 1 – 0 circulators / Unit 2 – 5 circulators

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

Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: Unit 1 – offline/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 05 Day 26 Year 2016

## DATE EXAMINED:

Month 05 Day 26 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 21B, 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, scales & cartilage

## SEX:

☒ Undetermined  
☐ Female ☐ Male  
How was sex determined?  
☐ Necropsy  
☐ Eggs/milt present when pressed  
☐ Borescope

## MEASUREMENTS:

Circle unit  
Fork length 84.4 cm  
Total length 98.4 cm  
Length ☒ actual ☐ estimate  
Mouth width (inside lips, see reverse side) 2.8 cm  
Interorbital width (see reverse side) 6.5 cm  
Weight ☒ actual ☐ estimate 6.0 kg

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

Tag #

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) The deceased specimen was transported back to ECSI office and placed in cold storage waiting further direction on disposition.

## 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)

Pelvic fin clip \_\_\_\_\_

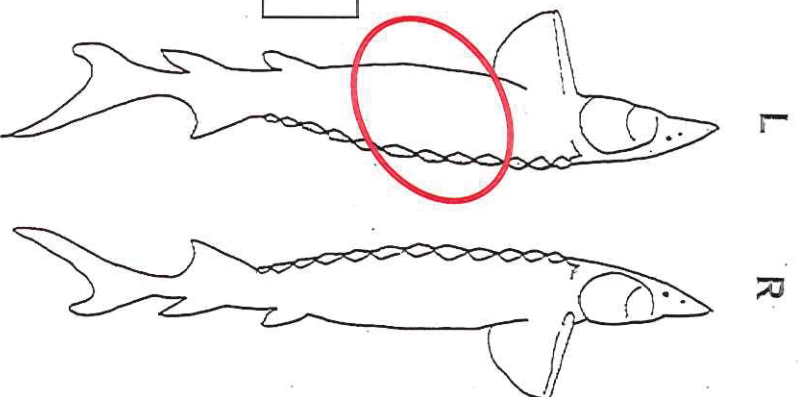
stored in non-denatured ethanol  
and then refrigerated.

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

Comments: The deceased Atlantic sturgeon was observed outside the Salem Circulating Water Intake Structure during routine trash rack cleaning on 05/26/16, at 14:00pm. Positive identification was made by Environmental Consulting Services personnel at 14:30pm. The specimen appeared to be recently deceased, with evidence of some slight decomposition at the time of collection. The specimen was measured, photographed, and inspected for tags, but none were found. A pelvic fin clip was collected. New Jersey DEP, Division of Fish and Wildlife, and National Marine Fisheries (NMFS) were contacted at 14:47pm and 14:46pm 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



Location of damage observed  
on the specimen

Describe any wounds / abnormalities (note tar or oil, gear or debris entanglement, propeller damage, etc.). Please note if no wounds / abnormalities are found. At the time of collection, the specimen was deceased and exhibited some damage to its left side, in the form of a large abrasion (refer to illustration above). The cause of death is unknown, but based on evidence of slight decomposition, it appears to have occurred at an earlier time, and not likely related to plant operations.

**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 size and condition of the deceased Atlantic Sturgeon (Acipenser oxyrinchus), retrieved at 14:00 pm on 05/26/16 by Salem Yard Crew personnel during routine trash rack cleaning at the PSEG Salem CWIB (05/27/2016).



Another photo, providing a dorsal view of the specimen. As shown in the previous view, the specimen exhibited a large abrasion on its left side at the time of collection, as well as some evidence of slight decomposition, indicating that death likely occurred at some earlier time (05/27/2016).



## Photographs



This photo provides a close-up view of the damage observed on its left side. No tags were indicated during processing. A pelvic fin clip was collected and has been preserved in non-denatured ethanol. The sample and the carcass have been placed in refrigeration at the ECSI office, waiting further instruction on disposition (05/27/16).



This photo provides a ventral view of the specimen, and shows the small mouth and elongated rostrum, each a characteristic feature of the species. (05/27/2016).