

NRR-PMDAPEm Resource

From: Pego, Michael A <Michael.Pego@pseg.com>
Sent: Monday, December 07, 2015 9:21 AM
To: EndangeredSpecies Resource
Subject: [External_Sender] PSEG Report of impingement 12/4/15
Attachments: Atlantic Sturgeon Incidental Take 12-04-15 Revised pg1(2).pdf

Do not hesitate to contact me with any questions. Thank you

Michael Pego
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Hearing Identifier: NRR_PMDA
Email Number: 2530

Mail Envelope Properties (A420DA7E700C0F418B725B20C04D5C834239E4C0AF)

Subject: [External_Sender] PSEG Report of impingement 12/4/15
Sent Date: 12/7/2015 9:20:58 AM
Received Date: 12/7/2015 9:21:17 AM
From: Pego, Michael A

Created By: Michael.Pego@pseg.com

Recipients:
"EndangeredSpecies Resource" <EndangeredSpecies.Resource@nrc.gov>
Tracking Status: None

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Files	Size	Date & Time
MESSAGE	834	12/7/2015 9:21:17 AM
Atlantic Sturgeon Incidental Take 12-04-15 Revised pg1(2).pdf		1202377

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: Matthew S. Parris (Environmental Consulting Services, Inc.)

Reporter's full name: Matthew S. Parris

Species Identification : Atlantic Sturgeon (Acipenser oxyrinchus)

Site of Collection: PSEG Salem Generating Station, SGS Unit 1; CWI 11A

Date animal observed: 12/04/2015 Time animal observed: 09:20

Date animal collected: 12/04/2015 Time animal collected: 09:20

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

Air temp: 8.3°C; sal.- 8.0ppt; wind -W; sky - partly cloudy; wave - slight; tide - Ebb2 (88.5ft)

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

Date and time of last inspection of screen: 12/04/2015 at 08:00am

Water temperature (°C) at site and time of observation: 10.2 °C

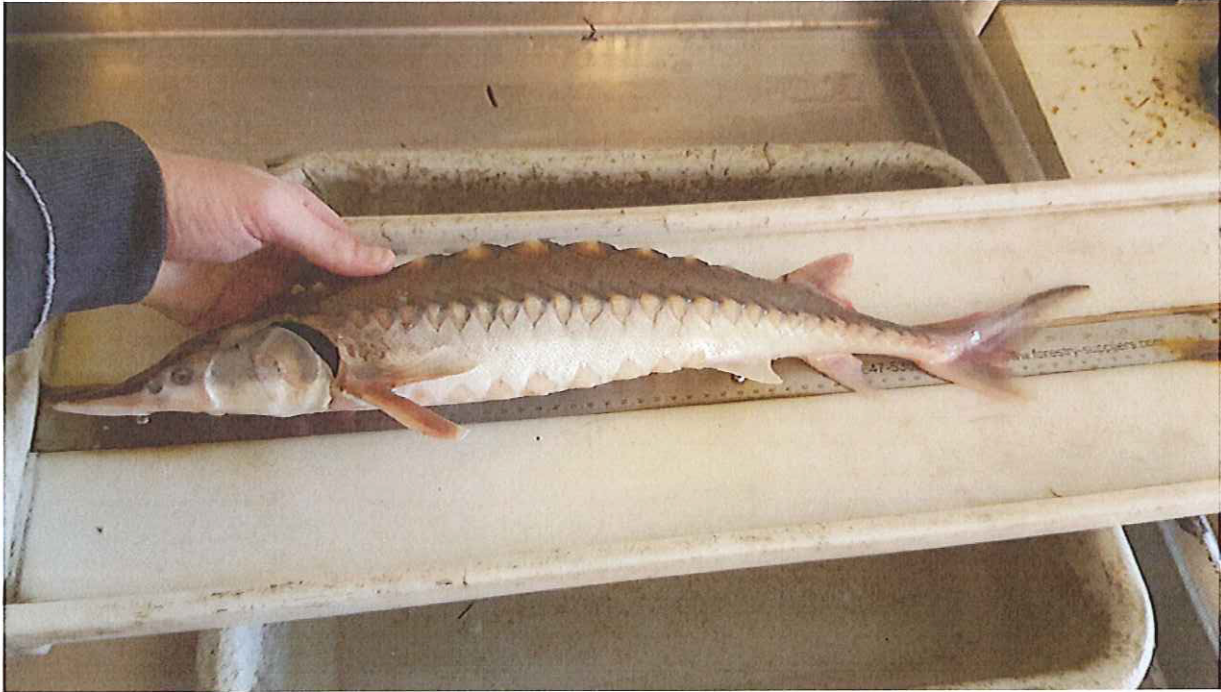
Number of pumps operating at time of observation: Unit 1 - 6 pumps / Unit 2 - 6 pumps

Average percent of power generating capacity achieved per unit at time of observation: Unit 1 -100%/Unit 2 - 70%

Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: Unit 1 - 100%/Unit 2 - 40%

ATTACHMENT 1 (Sturgeon) continued

Photographs



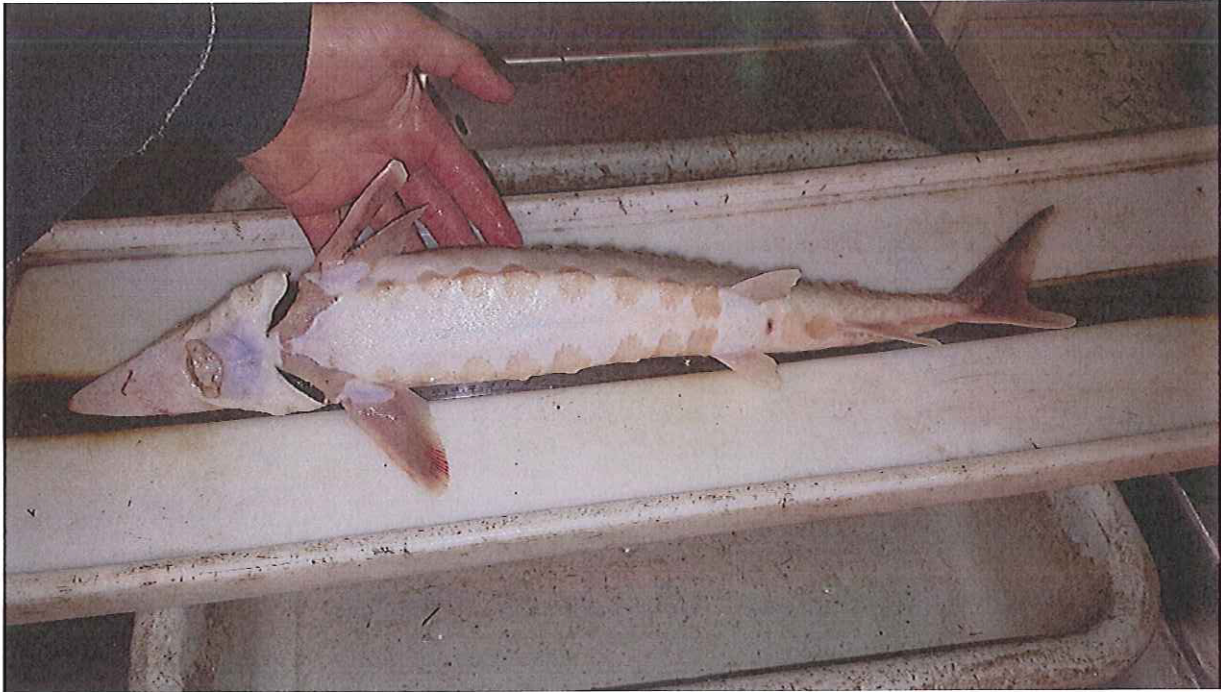
View showing the size and condition of the live Atlantic Sturgeon (*Acipenser oxyrinchus*), retrieved at 09:20am on 12/04/15 by Salem Yard Crew personnel during routine trash rack cleaning at the Salem CWIB. The specimen appeared to be in good health, with no apparent damage observed (12/04/15).



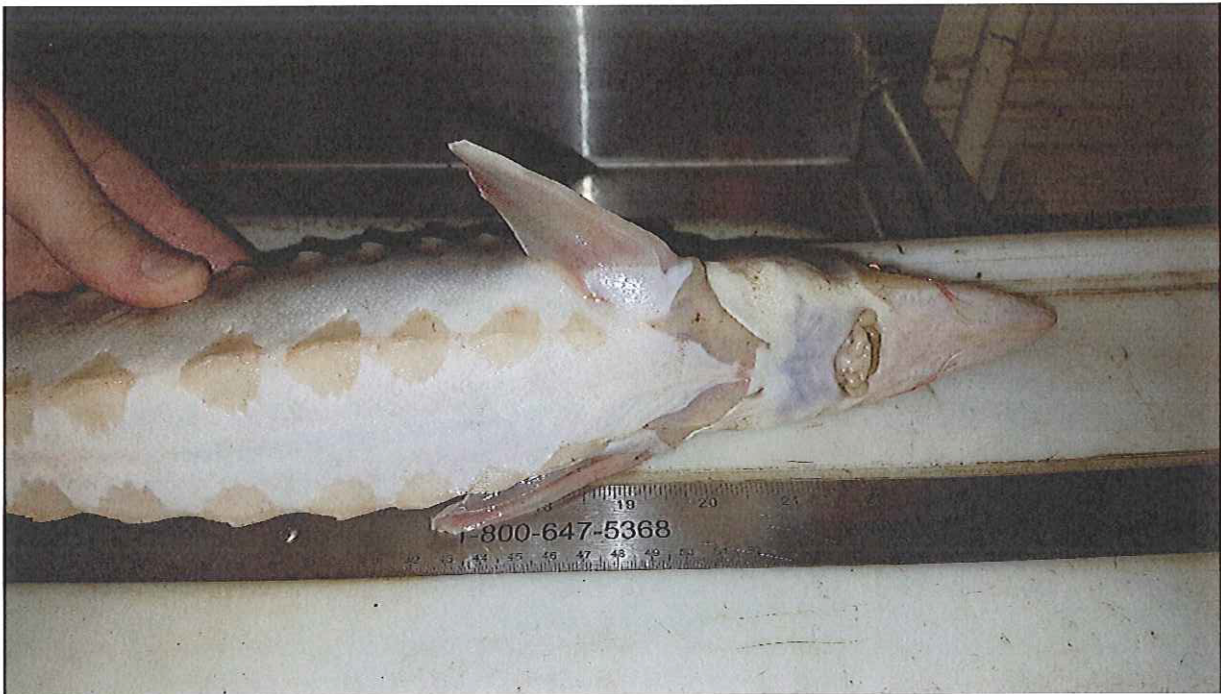
Another view, showing the right side of the specimen (12/04/15).

ATTACHMENT 1 (Sturgeon) continued

Photographs



This photo provides a ventral view of the specimen, and shows the small mouth and elongated rostrum, each a characteristic feature of the species (12/04/15).



Another photo providing a closer ventral view of the specimen. No tags were indicated during processing, so PIT tagging procedures were implemented. Specimen has been identified with Tag#965000000359143. A pelvic fin clip was also collected. The sample was preserved in non-denatured ethanol, returned to the ECSI office, and refrigerated, waiting further instruction on disposition (12/04/15).

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 12 Day 04 Year 2015
 DATE EXAMINED:
 Month 12 Day 04 Year 2015

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 11A, 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
 Borescope

MEASUREMENTS:

Fork length 53.2 cm
 Total length 61.5 cm
 Length actual estimate
 Mouth width (inside lips, see reverse side) 1.6 cm
 Interorbital width (see reverse side) Not Measured
 Weight actual estimate 1.1 kg

TAGS PRESENT? Examined for external tags including fin clips? Yes No Scanned for PIT tags? Yes No

Tag #	Tag Type	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:

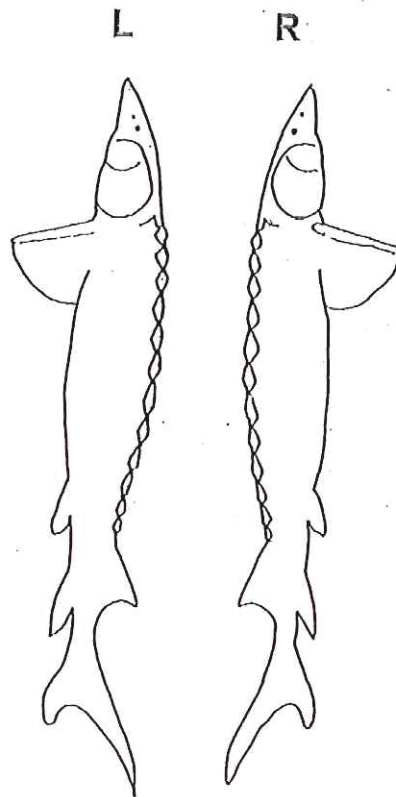
Photos/video taken? Yes No
 Disposition of Photos/Video PSEG Nuclear Environmental Affairs and Nuclear Regulatory Affairs personnel.

SAMPLES COLLECTED? Yes No

Sample	How preserved	Disposition (person, affiliation, use)
<u>Pelvic fin clip</u>	<u>stored in non-denatured ethanol and then refrigerated.</u>	<u>Held at the Office of ECSI; waiting for further instruction on disposition.</u>

Comments: The live Atlantic sturgeon was observed from outside the Salem Circulating Water Intake Structure during routine trash rack cleaning on 12/04/15, at 09:20am. Positive identification was made by Environmental Consulting Services personnel at 11:00am. The specimen had no damage observed at the time of collection. The specimen was measured, photographed, and inspected for tags, but none were found. Since no tags were found, PIT tagging procedure was implemented. Specimen has been identified with tag #96500000359143. A pelvic fin clip was also collected. The fin clip sample was returned to ECSI and has been stored in refrigeration, waiting further instruction on disposition. The State of New Jersey DEP, Division of Fish and Wildlife, and National Marine Fisheries (NMFS) were contacted in regards to the incidental take. Upon completion of processing, the specimen was released back to the Delaware River at 11:50am.

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 appeared to be in excellent condition, with no observable damage. After processing, the specimen was released back to the Delaware River.

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.