From: Cary, Richard H. <Richard.Cary@pseg.com>
Sent: Friday, June 4, 2021 9:12 AM
To: incidental.take@noaa.gov; EndangeredSpecies Resource
Cc: Neilan, Brian
Subject: [External_Sender] Salem Generating Station - Incidental Take Report: Atlantic Sturgeon 6/3/2021
Attachments: Sturgeon Incidental Take Report for 06-03-2021.pdf

Attached are the Incidental Take Report and Data Collection Form for a deceased Atlantic sturgeon collected on 06/03/2021 from the Salem Generating Station during routine raking of the cooling water intake trash bars. The deceased specimen is being held for study pending direction from NOAA/NMFS. This incidental take is authorized under Biological Opinion NER-2010-6581.

Thanks, and please let me know if you have any questions or need additional information.

Richard Cary
Environmental Compliance & Program Manager
PSEG Nuclear Environmental Affairs
O: 856-339-1487
C: 706-254-2584

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Hearing Identifier: NRR_DRMA
Email Number: 1217

Mail Envelope Properties (4bfaa4ba84dd4033af52656c23b07fc3)

Subject: [External_Sender] Salem Generating Station - Incidental Take Report: Atlantic Sturgeon 6/3/2021
Sent Date: 6/4/2021 9:11:53 AM
Received Date: 6/4/2021 9:13:23 AM
From: Cary, Richard H.

Created By: Richard.Cary@pseg.com

Recipients:
"Neilan, Brian" <Brian.Neilan@dep.nj.gov>
Tracking Status: None
"incidental.take@noaa.gov" <incidental.take@noaa.gov>
Tracking Status: None
"EndangeredSpecies Resource" <EndangeredSpecies.Resource@nrc.gov>
Tracking Status: None

Post Office: pseg.com

Files	**Size**	**Date & Time**
MESSAGE	1257	6/4/2021 9:13:23 AM
Sturgeon Incidental Take Report for 06-03-2021.pdf	2498937	

Options
Priority: Normal
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:

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: Dalton Stevens (Environmental Consulting Services, Inc. [ECSI])
Reporter's full name: Dalton Stevens

Species Identification : Atlantic sturgeon (Acipenser oxyrinchus)

Site of Collection: PSEG Salem Generating Station; SGS Unit 1, intake 12A

Date animal observed: 06/03/2021 Time animal observed: 08:45 AM
Date animal collected: 06/03/2021 Time animal collected: 08:30 AM

Environmental conditions at time of observation (i.e., tidal stage, weather):
Air temp. – 18.0 °C; Sal. – 5.0 ppt; Wind –S; sky – overcast; Wave – slight; tide- E1 (92.0ft)

If removed from intakes (trash racks or traveling screens):
Date and time of last inspection of screen: 06/02/2021; at 09:21PM
Water temperature (°C) at site and time of observation: 17.5 °C
Number of pumps operating at time of observation: Unit 1: 6 circulators / Unit 2: 5 circulators
Average percent of power generating capacity achieved per unit at time of observation: Unit 1: 99.8% /Unit 2: 100.0%
Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: Unit 1: 99.8% /Unit 2: 99.5%

STURGEON DATA COLLECTION FORM

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

OBSERVER'S CONTACT INFORMATION
Name: First **Dalton** Last **Stevens**
Agency Affiliation **PSEG subcontractor** Email **Dalton.Stevens@pseg.com**
Address **100 South Cass Street, Middletown, DE 19709**
Area code/Phone number **(302) 378-9881** **(Environmental Consulting Services, Inc.)**

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

DATE REPORTED:
Month 06 Day 03 Year 2021
DATE EXAMINED:
Month 06 Day 03 Year 2021

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 **Lower Alloways Creek** State **NJ**
Descriptive location (be specific) **Removed from Circulating Water Intake Structure (CWIS) trash racks,intake bay12A, during routine trash rack cleaning at the Salem Generating Station, PSEG Nuclear LLC.**
Latitude **39.460603°** (Dec. Degrees) Longitude **-75.536133°** (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: Circle unit

Fork length	**54.6 cm**
Total length	**64.8 cm**
Length ☒ actual ☐ estimate	
Mouth width (inside lips, see reverse side)	**1.6 cm**
Interorbital width (see reverse side)	**3.8 cm**
Weight ☒ actual ☐ estimate	**0.9 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
No tags found		

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**

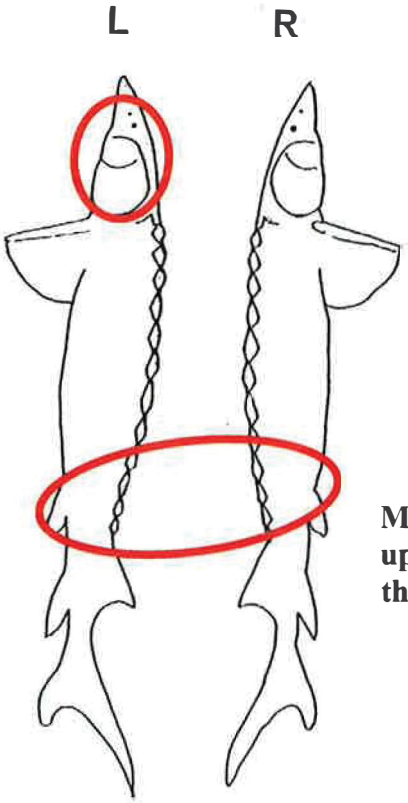
SAMPLES COLLECTED? ☒ Yes ☐ No

Sample	How preserved	Disposition (person, affiliation, use)
Pelvic fin clip	**stored in non-denatured ethanol and refrigerated.**	**Held at the office of ECSI for aggregated shipment to designated laboratory.**

Comments: A deceased Atlantic sturgeon was collected from the Salem Circulating Water Intake Structure during routine trash rack cleaning on 06/03/21, at 08:30AM. After positive identification was made by Environmental Consulting Services personnel, the specimen was measured, photographed, and inspected for tags. No evidence of external tags was found, and no existing PIT tags were indicated. A pelvic fin clip was also collected for future DNA analysis. Upon completion of processing, the specimen was placed on ice and prepared for transport back to the ECSI main office, where it will be stored under refrigeration, awaiting direction on further disposition. The fin clip sample has been stored in refrigeration and will be held for aggregated shipment to a designated laboratory.

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

Missing eye and some minor decomposition around the gills



Minor bruising around vent, extending up along both the left and right sides of the torso.

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 at the time of collection. Except for some evidence of minor surface bruising around the vent and above on both sides of the torso, as well as a missing left eye (refer to diagram above), no severe injuries were observed indicating a likely cause of death.**

Submit completed forms (within 24 hours of observation of fish): by e-mail to Incidental Take@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

A dorsolateral view showing the size and condition of a deceased Atlantic sturgeon (Acipenser oxyrinchus), retrieved at approximately 08:30AM on 06/03/2021 from the Salem Circulating Water Intake by Salem Yard Crew personnel during routine trash rack cleaning at Salem Nuclear Generating Station (06/03/2021).

A ventral view of the specimen. Some minor bruising was observed in the vicinity of the vent, as well as just above the vent on both the left and right sides of the torso (06/03/2021).

Photographs

A dorsolateral view of the right side of the torso. Except for a missing eye, no obvious external wounds were observed (06/03/2021).

A dorsolateral view of the head, showing the characteristic elongated rostrum. Specimen was missing its left eye, and areas around the gills exhibited some minor decomposition (06/03/2021).