

**From:** Strait, Kenneth A. <Kenneth.Strait@pseg.com>  
**Sent:** Friday, April 9, 2021 9:26 AM  
**To:** incidental.take@noaa.gov; EndangeredSpecies Resource  
**Cc:** Neilan, Brian  
**Subject:** [External\_Sender] SALEM GENERATING STATION-INCIDENTAL TAKE OF STURGEON  
**Attachments:** Sturgeon Incidental Take Report for 04-08-2021.pdf

Attached are the Incidental Take Report and Data Collection Form for a live Atlantic sturgeon collected on 04/08/2021 from the Salem Generating Station during routine raking of the cooling water intake trash bars. A fin clip is being held for study pending direction from NOAA/NMFS. Upon completion of processing, the specimen was released back to the Delaware River. 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.

Ken

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**Kenneth A. Strait**

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[www.pseg.com/environment/estuary](http://www.pseg.com/environment/estuary)

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**Subject:** [External\_Sender] SALEM GENERATING STATION-INCIDENTAL TAKE OF STURGEON  
**Sent Date:** 4/9/2021 9:25:42 AM  
**Received Date:** 4/9/2021 9:26:25 AM  
**From:** Strait, Kenneth A.

**Created By:** Kenneth.Strait@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	1648	4/9/2021 9:26:25 AM
Sturgeon Incidental Take Report for 04-08-2021.pdf		2075583

**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: Doug Potts (Environmental Consulting Services, Inc. [ECSI])

Reporter's full name: Doug Potts

Species Identification : Atlantic sturgeon (Acipenser oxyrinchus)

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

Date animal observed: 04/08/2021 Time animal observed: 10:50 AM

Date animal collected: 04/08/2021 Time animal collected: 09:00 AM

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

Air temp. - 13.7 °C; Sal. - 6.0 ppt; Wind -SE; sky - partly cloudy; Wave - slight; tide- FS (94.0 ft)

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

Date and time of last inspection of screen: 04/08/2021; at 02:48 AM

Water temperature (°C) at site and time of observation: 10.0 °C

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

Average percent of power generating capacity achieved per unit at time of observation: Unit 1: 99.3% /Unit 2: 100.0%

Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: Unit 1: 99.3% /Unit 2: 100.1%

PIT ID



# STURGEON DATA COLLECTION FORM

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

## OBSERVER'S CONTACT INFORMATION

Name: First Doug Last Potts  
Agency Affiliation PSEG subcontractor Email Douglas.Potts@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 04 Day 08 Year 2021

## DATE EXAMINED:

Month 04 Day 08 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 bay 12A, 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 70.7 cm  
Total length 81.3 cm  
Length ☒ actual ☐ estimate  
Mouth width (inside lips, see reverse side) 2.2 cm  
Interorbital width (see reverse side) 5.1 cm  
Weight ☒ actual ☐ estimate 2.2 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 tag 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). Specimen was alive, but revealed minor damage. After processing, and a period of holding to reduce stress, it was released back to the Delaware River.

## 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

Pelvic fin clip

### How preserved

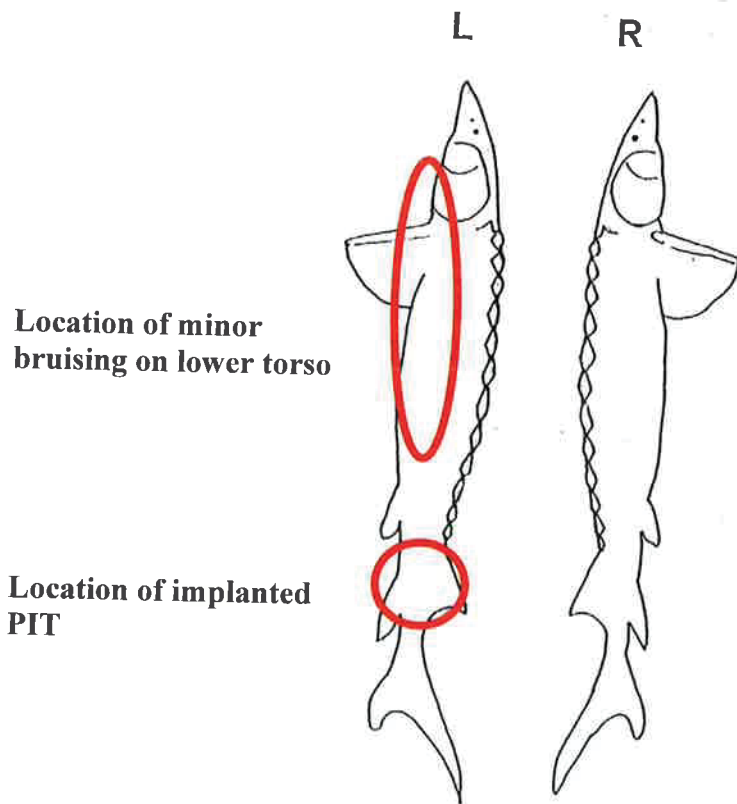
stored in non-denatured ethanol and refrigerated.

### Disposition (person, affiliation, use)

Held at the office of ECSI for aggregated shipment to designated laboratory.

Comments: A live, Atlantic sturgeon was retrieved from the Salem Circulating Water Intake Structure during routine trash rack cleaning on 04/08/21, at 09:00AM. 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. Therefore, PIT tagging procedures for placement of a tag were implemented. Specimen has been identified with tag #933000320184012. A pelvic fin clip was also collected for future DNA analysis. The fin clip sample has been stored in refrigeration and will be held for aggregated shipment to a designated laboratory. Upon completion of processing, the specimen was released back to the Delaware River at 11:10AM.

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 alive at the time of collection, but exhibited some minor damage in the form of bruising to the lower torso on the left side. No PIT was indicated, so tagging procedures were implemented. Specimen received a PIT (#933000320184012), implanted below the dorsal fin on the left side (refer to diagram above).**

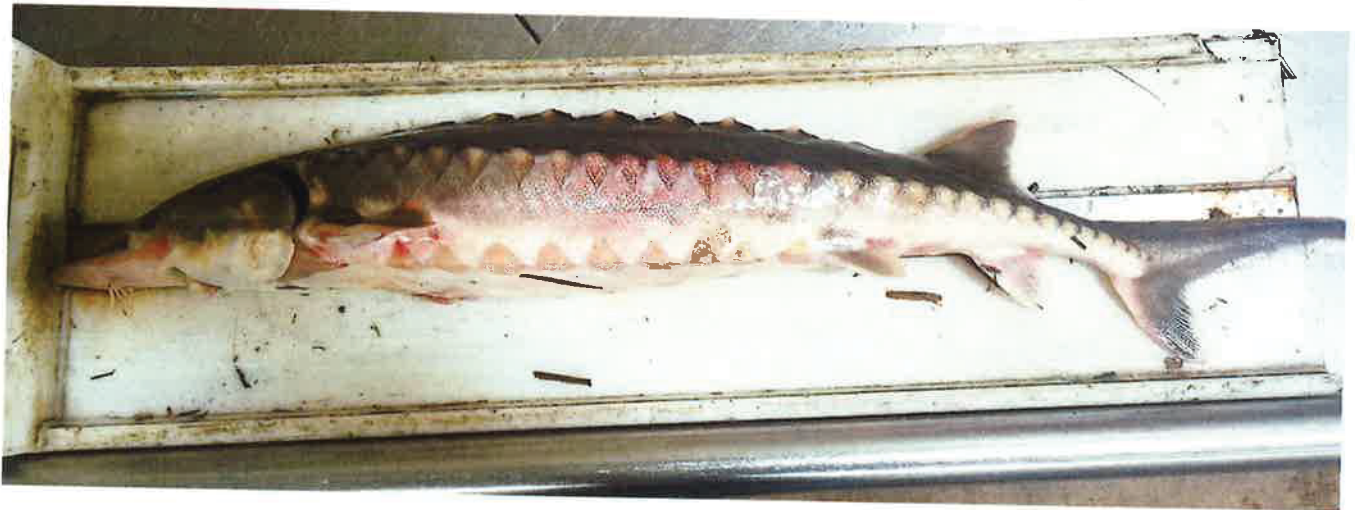
**Submit completed forms (within 24 hours of observation of fish): by e-mail to [Incidental Take@noaa.gov](mailto:Incidental_Take@noaa.gov) or by fax (978-281-9394).** Questions can be directed to NMFS Protected Resources Division at 978-281-9328.

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 dorsal view showing the size and condition of a live, Atlantic sturgeon (*Acipenser oxyrinchus*), retrieved at approximately 09:00AM on 04/08/2021 from the Salem Circulating Water Intake by Salem Yard Crew personnel during routine trash rack cleaning at Salem Nuclear Generating Station (04/08/2021).



A view of the left side of the specimen, showing some minor bruising in the mid-torso area, as well as around the left pectoral fin, and on the ventral aspect of the rostrum (04/ 08/2021).

## Photographs



A close-up view of the surface bruising located mid-torso and around the pectoral fin on the left side of the specimen (04/08/2021).



A ventral view of the head, showing the characteristic small mouth and elongated rostrum (04/08/2021).