

## NRR-DMPSPEm Resource

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**From:** Strait, Kenneth A. <Kenneth.Strait@pseg.com>  
**Sent:** Wednesday, February 20, 2019 8:04 AM  
**To:** incidental.take@noaa.gov; EndangeredSpecies Resource  
**Cc:** jeanette.bowers@dep.nj.gov  
**Subject:** [External\_Sender] SALEM GENERATING STATION-INCIDENTAL TAKE OF ATLANTIC STURGEON  
**Attachments:** Atlantic Sturgeon Incidental Take Report 02-19-19.pdf

Attached are the Incidental Take Report and Data Collection Form for a deceased Atlantic sturgeon collected on 02/19/2019 from the Salem Generating Station cooling water intake trash bars. The frozen specimen will be held pending further direction by NOAA/NMFS. This incidental take is authorized under Biological Opinion NER-2010-6581.

Please let me know if you have any questions or need additional information. Thanks.

Ken

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[Kenneth A. Strait](#)

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**Hearing Identifier:** NRR\_DMPS  
**Email Number:** 807

**Mail Envelope Properties** (c480f2d249da45ab8140fc800651b81d)

**Subject:** [External\_Sender] SALEM GENERATING STATION-INCIDENTAL TAKE OF ATLANTIC STURGEON  
**Sent Date:** 2/20/2019 8:04:25 AM  
**Received Date:** 2/20/2019 8:04:40 AM  
**From:** Strait, Kenneth A.

**Created By:** Kenneth.Strait@pseg.com

**Recipients:**

"jeanette.bowers@dep.nj.gov" <jeanette.bowers@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	1440	2/20/2019 8:04:40 AM
Atlantic Sturgeon Incidental Take Report 02-19-19.pdf		460528

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** Yes

**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: Kenneth Kiess (Environmental Consulting Services, Inc. [ECSI])

Reporter's full name: Kenneth Kiess

Species Identification : Atlantic Sturgeon (Acipenser oxyrinchus)

Site of Collection: PSEG Salem Generating Station, SGS Unit 2, intake 22B:

Date animal observed: 02/19/2019 Time animal observed: 14:20 pm

Date animal collected: 02/19/2019 Time animal collected: 14:25 pm

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

Air temp. – 3.0 °C; Sal. – 2.0 ppt; wind – NW; sky –partly cloudy; wave – moderate; tide – Ebb 2(89.5ft)

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

Date and time of last inspection of screen: 02/19/19; 13:51pm

Water temperature (°C) at site and time of observation: 3.5 °C

Number of pumps operating at time of observation: Unit 1: 5 circulators / Unit 2: 6 circulators

Average percent of power generating capacity achieved per unit at time of observation: Unit 1: 100.0% /Unit 2: 99.8%

Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: Unit 1: 100.2% /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 Doug 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 (Environmental Consulting Services, Inc.)

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

## DATE REPORTED:

Month 02 Day 19 Year 2019

## DATE EXAMINED:

Month 02 Day 19 Year 2019

## 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) intake trash racks, intake bay 22B, 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 69.0 cm  
Total length 70.1 cm  
Length ☒ actual ☐ estimate  
Mouth width (inside lips, see reverse side) 2.2 cm  
Interorbital width (see reverse side) 4.8 cm  
Weight ☒ actual ☐ estimate 1.5 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

Pelvic fin clip

How preserved

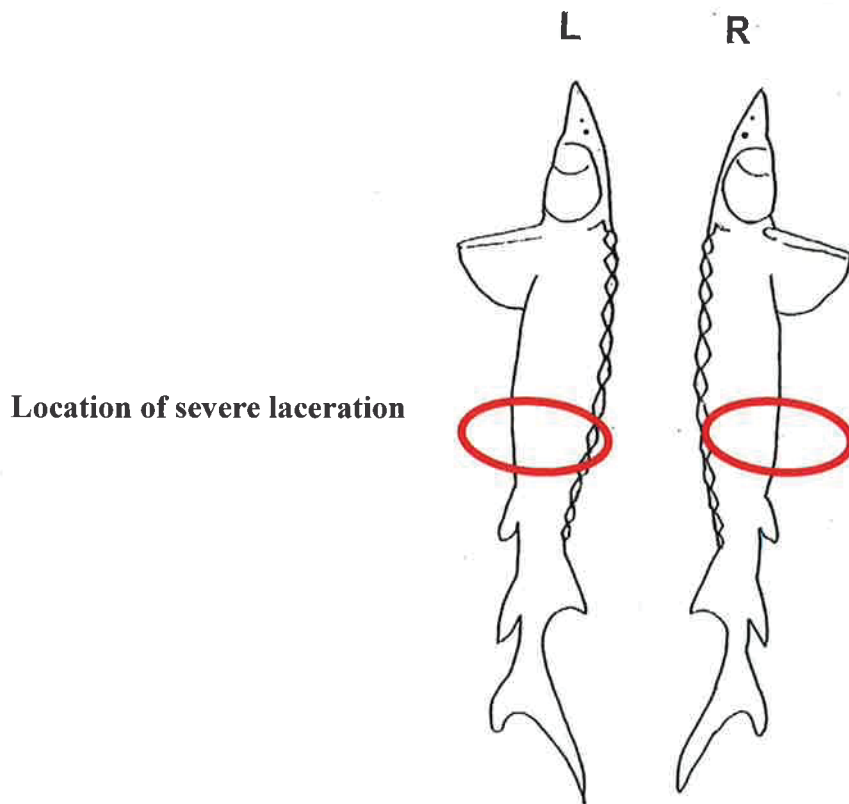
stored in non-denatured ethanol and refrigerated.

Disposition (person, affiliation, use)

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

Comments: A deceased Atlantic sturgeon was collected from the Salem Circulating Water Intake Structure during routine trash rack cleaning on 02/19/19, at 14:25pm.. After positive identification was made by Environmental Consulting Services personnel, the office of PSEG Nuclear Environmental Affairs was notified of the incidental take at 14:30pm. During processing, 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 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



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 observation, and was found to be in poor condition due to existing external and internal damage resulting from a large laceration. The wound was observed along the midpoint of the body, in the area between the pectoral and pelvic fins (refer to illustration). During processing, no internal or external tags were indicated. After processing, the specimen was returned to the ECSI office and placed in refrigeration, awaiting direction 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.**

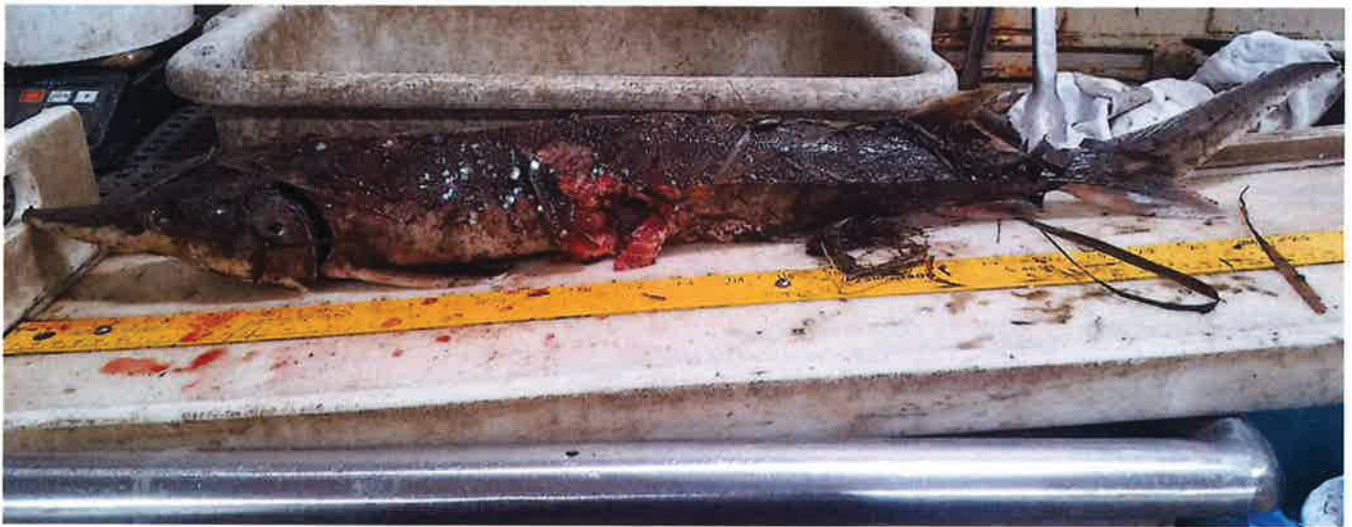
Data Access Policy: Upon written request, information submitted to National Marine Fisheries Service (NOAA Fisheries) on this form will be released to the requestor provided that the requestor credit the collector of the information and NOAA Fisheries. NOAA Fisheries will notify the collector that these data have been requested and the intent of their use.



## Photographs



A dorsolateral view showing the size and condition of the deceased, Atlantic Sturgeon (*Acipenser oxyrinchus*), retrieved at 14:25pm on 02/19/19 from 22B circulator intake bay by Salem Yard Crew personnel during routine trash rack cleaning at Salem Nuclear Generating Station (02/19/2019).



Another dorsolateral view of the right side, showing the damage observed in the form of a large laceration located midway along the torso (02/19/2019).

## Photographs



Dorsolateral view of the right side, showing detail of the observed damage (02/19/2019).



Ventral view of the carcass, showing additional detail of the observed damage (02/19/2019).



## Photographs



A dorsolateral view of the head, showing the characteristic elongated rostrum (02/19/2019).