

NRR-DMPSPeM Resource

From: Strait, Kenneth A. <Kenneth.Strait@pseg.com>
Sent: Thursday, February 7, 2019 5:14 PM
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 for 02-07-2019.pdf

Attached are the Incidental Take Report and Data Collection Form for a deceased Atlantic sturgeon recovered on 02/07/2019 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

Kenneth A. Strait

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Subject: [External_Sender] SALEM GENERATING STATION-INCIDENTAL TAKE OF ATLANTIC STURGEON
Sent Date: 2/7/2019 5:13:57 PM
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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	2/7/2019 5:14:12 PM
Atlantic Sturgeon Incidental Take Report for 02-07-2019.pdf		396520

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 1: CWI 13A

Date animal observed: 02/07/2019 Time animal observed: 09:35 am

Date animal collected: 02/07/2019 Time animal collected: 09:30 am

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

Air temp. – 6.0 °C; Sal. – 3.5 ppt; wind – N; sky –cloudy; wave – calm; tide – Flood 2(92.0 ft)

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

Date and time of last inspection of screen: 02/06/19 at 09:32pm

Water temperature (°C) at site and time of observation: 2.5 °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: 100.1% /Unit 2: 99.5%

Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: Unit 1: 100.1% /Unit 2: 99.6%

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 07 Year 2019

DATE EXAMINED:

Month 02 Day 07 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 13A, 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 **60.9 cm**
Total length **70.9 cm**
Length ☒ actual ☐ estimate
Mouth width (inside lips, see reverse side) **1.9 cm**
Interorbital width (see reverse side) **4.4 cm**
Weight ☒ actual ☐ estimate **1.8 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)

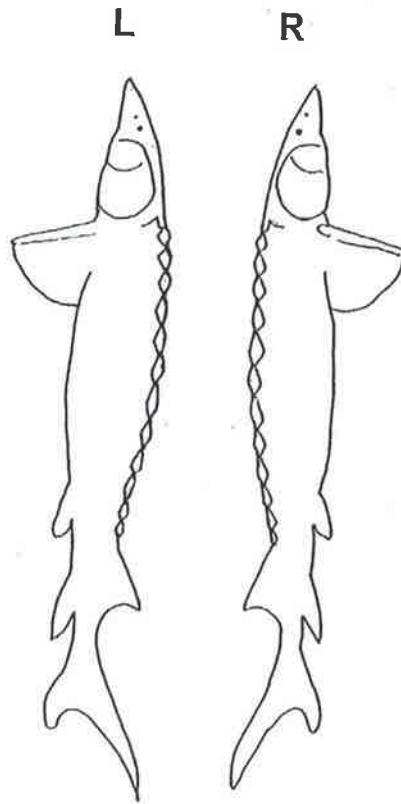
Pelvic fin clip

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 02/07/19, at 09:30am. After positive identification was made by Environmental Consulting Services personnel, the office of PSEG Nuclear Environmental Affairs was notified of the incidental take at 09:55am. 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 collection, but it did not show evidence of any external damage. Evidence of minor decomposition indicates that the specimen has been deceased for an extended period of time. No internal or external tags were indicated during processing. 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 09:30am on 02/07/19 from 13A circulator intake by Salem Yard Crew personnel during routine trash rack cleaning at Salem Nuclear Generating Station (02/07/2019).



Another dorsolateral view, showing a close up of the head and the characteristic elongated rostrum. No external injuries were observed, and no internal or external tags were indicated during processing (02/07/2019).

Photographs



Dorsal view of the specimen showing overall condition at the time of processing. Although no external damage or injury was observed, evidence of minor decomposition indicates the specimen has been deceased for an extended period of time (02/07/2019).



Another dorsolateral view showing condition of the specimen at the time of processing. A pelvic fin clip sample was collected which will be held for aggregated shipment to a USFWS designated laboratory for future DNA analysis. After completion of processing, the carcass was returned to the ECSI office, and it is currently being stored under refrigeration, waiting further instruction on disposition (02/07/2019).