

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

Kenneth A. Strait

Manager-Biological Programs

PSEG Nuclear Environmental Affairs

P.O. Box 236, N33

Hancocks Bridge, NJ 08302 kenneth.strait@pseg.com

www.pseg.com/environment/estuary

The information contained in this e-mail, including any attachment(s), is intended solely for use by the named addressee(s). If you are not the intended recipient, or a person designated as responsible for delivering such messages to the intended recipient, you are not authorized to disclose, copy, distribute or retain this message, in whole or in part, without written authorization from PSEG. This e-mail may contain proprietary, confidential or privileged information. If you have received this message in error, please notify the sender immediately. This notice is included in all e-mail messages leaving PSEG. Thank you for your cooperation.

Hearing Identifier: NRR_DRMA
Email Number: 1113

Mail Envelope Properties (1b043926255e4a2dbaefbb3e6ca8e572)

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

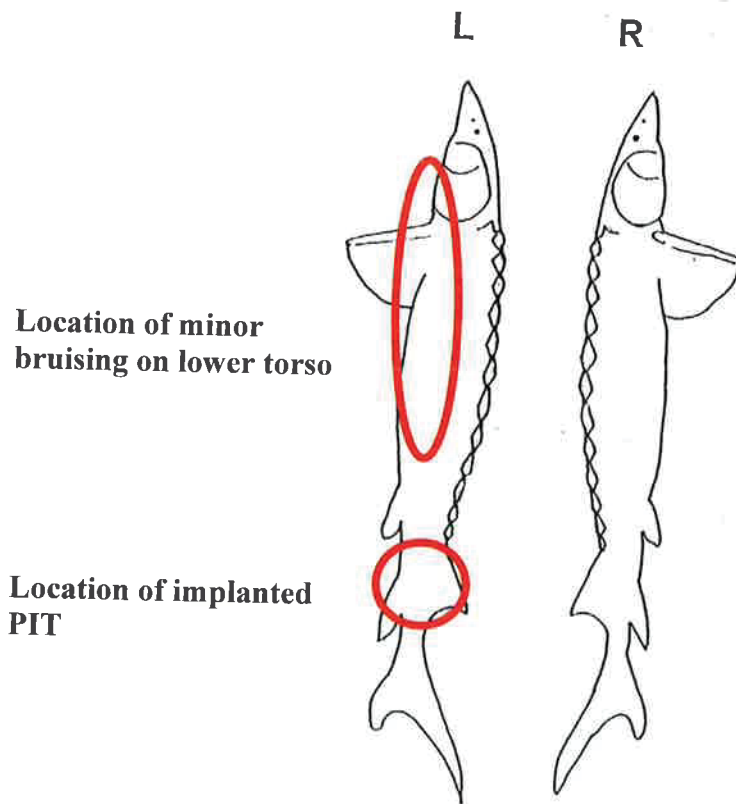
stored in non-denatured ethanol
and refrigerated.

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).**

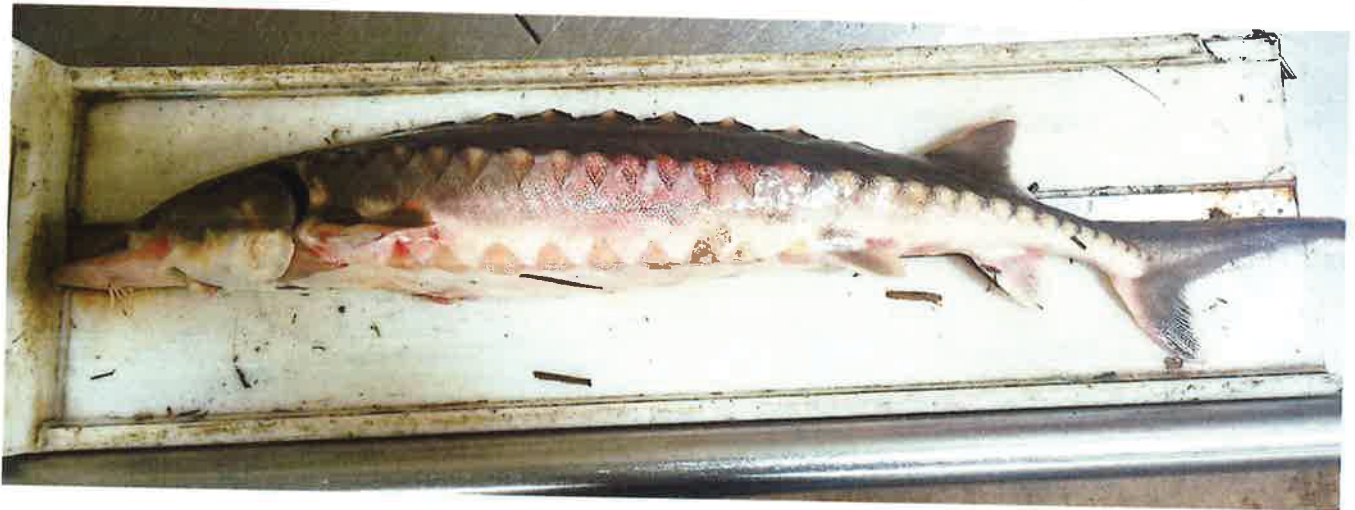
Submit completed forms (within 24 hours of observation of fish): by e-mail to [Incidental Take@noaa.gov](mailto:Incidental_Take@noaa.gov) or by fax (978-281-9394). Questions can be directed to NMFS Protected Resources Division at 978-281-9328.

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).