

From: Cary, Richard H. <Richard.Cary@pseg.com>
Sent: Tuesday, April 12, 2022 9:38 AM
To: incidental.take@noaa.gov; EndangeredSpecies Resource
Cc: Neilan, Brian
Subject: [External_Sender] Salem Generating Station Incidental Take Report: Atlantic Sturgeon 4/11/22
Attachments: Sturgeon Incidental Take Report for 04-11-2022.pdf

Attached are the Incidental Take Report and Data Collection Form for a deceased Atlantic sturgeon collected on 4/11/2022 from the Salem Generating Station. The 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

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: 1593

Mail Envelope Properties (657ae87d222e4f31a579c5434b7fdd9d)

Subject: [External_Sender] Salem Generating Station Incidental Take Report: Atlantic Sturgeon 4/11/22
Sent Date: 4/12/2022 9:37:39 AM
Received Date: 4/12/2022 9:38:18 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	1166	4/12/2022 9:38:18 AM
Sturgeon Incidental Take Report for 04-11-2022.pdf		449971

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; South Fish Counting Pool

Date animal observed: 04/11/2022 Time animal observed: 13:20

Date animal collected: 04/11/2022 Time animal collected: 13:15

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

Air temp. – 14.5°C; Sal. – 8.0 ppt; Wind –SE; sky – clear; Wave – slight; tide- Ebb2(88.0 ft.)

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

Date and time of last inspection of screen: 04/11/2022; at 02:13AM

Water temperature (°C) at site and time of observation: 9.5 °C

Number of pumps operating at time of observation: Unit 1: 0 circulators / Unit 2: 6 circulators

Average percent of power generating capacity achieved per unit at time of observation: Unit 1: 0% /Unit 2: 100%

Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: Unit 1: 0% /Unit 2: 99.8%

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 Doug.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 11 Year 2022

DATE EXAMINED:

Month 04 Day 11 Year 2022

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 the south fish counting pool, located at the south end of Salem Circulating Water Intake at 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 79.4 cm
Total length 93.3 cm
Length ☒ actual ☐ estimate
Mouth width (inside lips, see reverse side) 2.9 cm
Interorbital width (see reverse side) 5.7 cm
Weight ☒ actual ☐ estimate 2.5 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

None 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

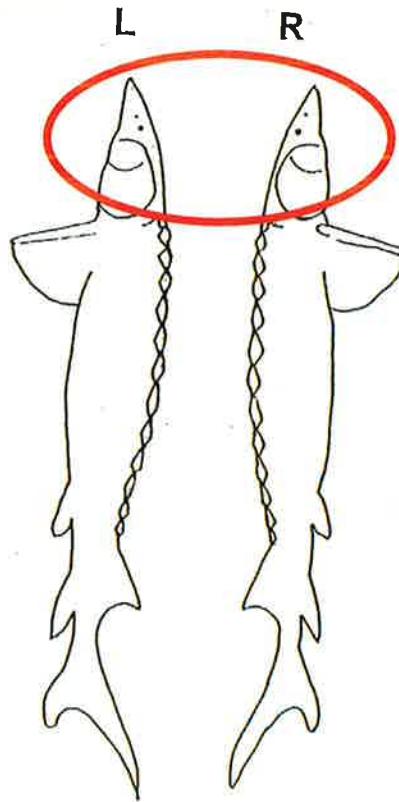
stored in non-denatured ethanol and refrigerated.

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

Comments: On 04/11/2022, at approximately 13:15, a deceased Atlantic sturgeon was collected from the south fish counting pool, located at the south end of Salem Circulating Water Intake, during cleaning and maintenance of the pool for the collection of permit required impingement samples. After positive identification was made by Environmental Consulting Services personnel, the specimen was photographed and inspected for tags. No evidence of external tags was found, and no existing PIT tag was 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

Location of rubber band stretched over the head, and a portion of the band extending through the flesh on both sides of the mouth

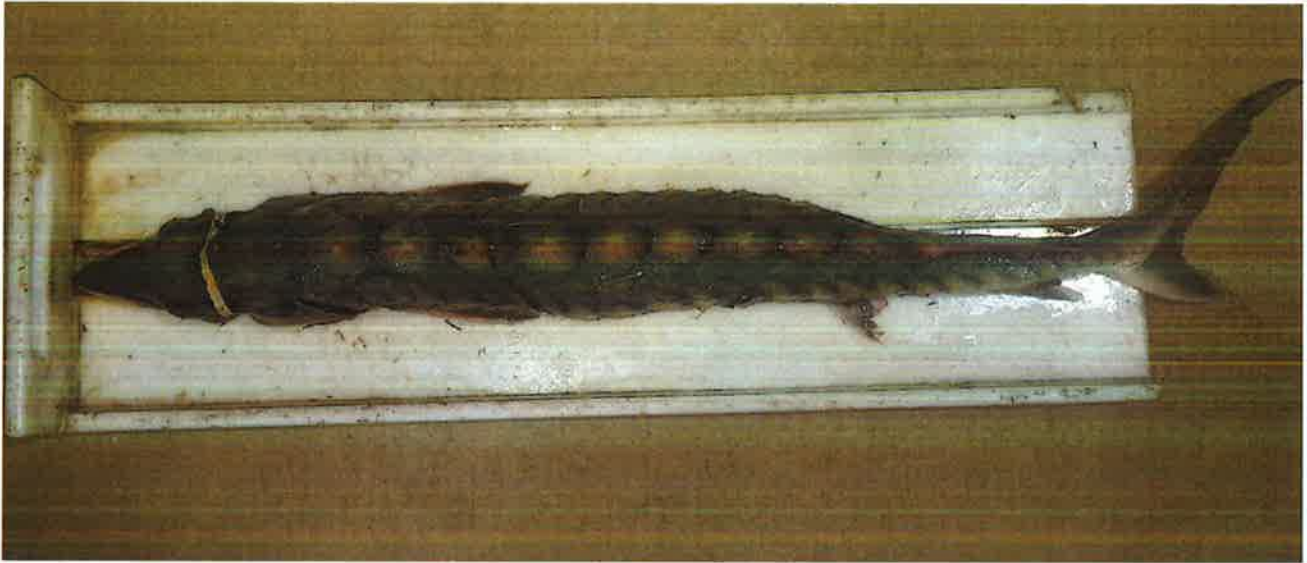


Describe any wounds / abnormalities (note tar or oil, gear or debris entanglement, propeller damage, etc.). **Please note if no wounds / abnormalities are found. Specimen was deceased at the time of collection. Upon examination, a rubber band was observed stretched over its head, with a portion of the band piercing through the tissue of the outer edges of the mouth (refer to illustration). Some additional bruising was observed on the anterior portion of the rostrum.**

Submit completed forms (within 24 hours of observation of fish): by e-mail to 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 dorsal view, showing the size and condition of a deceased Atlantic sturgeon (*Acipenser oxyrinchus*), retrieved at approximately 13:15 on 04/11/2022 from the south fish counting pool located at the south end of the circulating water intake at Salem Nuclear Generating Station (04/11/2022).



A dorsolateral view of the specimen, showing a heavy rubber band stretched over the head and extending through the mouth. Evidence of bruising was also observed on the ventral portion of the rostrum and below the operculum. No other damage was observed. Based on the condition of the rubber band, which was still elastic, and the lack of evidence of decomposition, it appears that the death of the specimen was a recent occurrence (04/11/2022).

Photographs

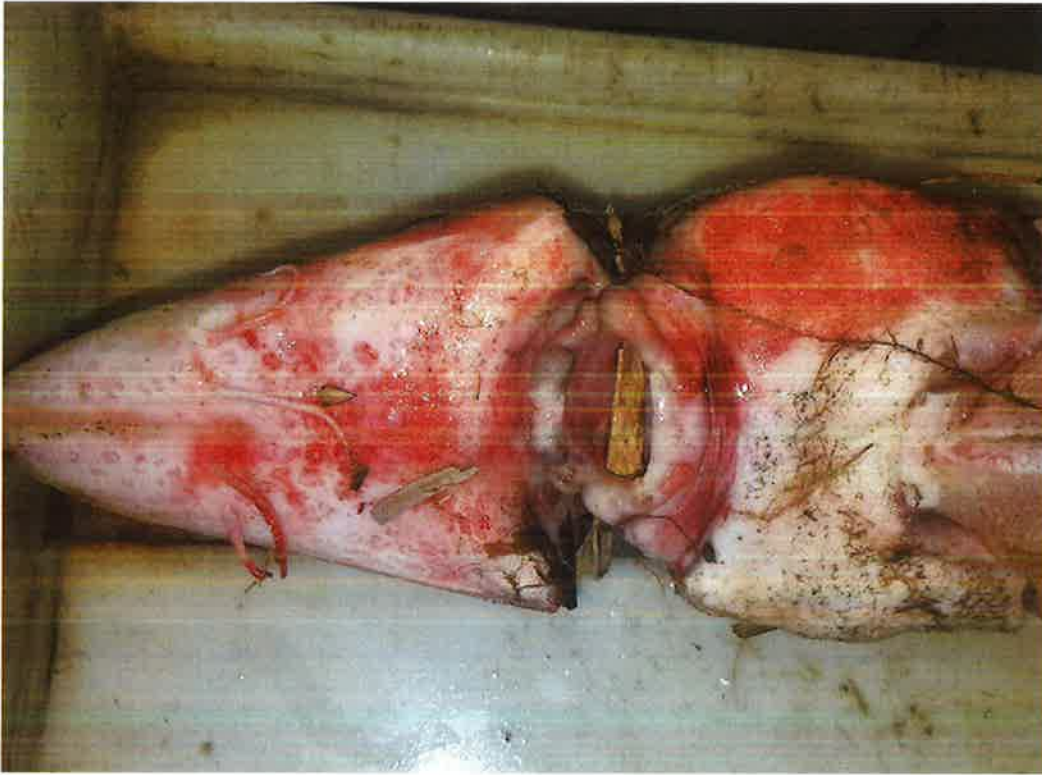


A dorsolateral view of the left side of the head, showing a closer view of the rubber band that is shown stretched over the head, and which passes through the mouth of the specimen (04/11/2022).



A dorsolateral view of the right side of the head, showing the rubber band and the point at which the band pierces the mouth (04/11/2022).

Photographs



A ventral view of the head and rostrum, showing severe bruising, and the portion of the rubber band which passes through the mouth tissue at the outer edges (04/11/2022).



A ventral view, taken at a different angle, showing a close up of the Bruising, and the portion of the rubber band that passes through the mouth at the outer edges and continues over the head (04/11/2022).