

From: Strait, Kenneth A. <Kenneth.Strait@pseg.com>
Sent: Wednesday, September 8, 2021 10:55 AM
To: incidental.take@noaa.gov; EndangeredSpecies Resource
Cc: Neilan, Brian
Subject: [External_Sender] SALEM GENERATING STATION-INCIDENTAL TAKE OF ATLANTIC STURGEON
Attachments: Sturgeon Incidental Take Report for 09-07-2021.pdf

Attached is the Incidental Take Report for a deceased Atlantic sturgeon collected on 09/07/2021 at Salem Generating Station during routine raking of the cooling water intake trash bars. The deceased specimen is being held for study pending direction from 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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Mail Envelope Properties (d6e8d0ccc916488e9909b862c3935016)

Subject: [External_Sender] SALEM GENERATING STATION-INCIDENTAL TAKE OF ATLANTIC STURGEON
Sent Date: 9/8/2021 10:55:29 AM
Received Date: 9/8/2021 10:57:57 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	1534	9/8/2021 10:57:57 AM
Sturgeon Incidental Take Report for 09-07-2021.pdf		2196076

Options

Priority: Normal
Return Notification: Yes
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 11A

Date animal observed: 09/07/2021 Time animal observed: 12:45 PM

Date animal collected: 09/07/2021 Time animal collected: 10:45 AM

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

Air temp. – 25.0 °C; Sal. – 4.0 ppt; Wind –NW; sky – clear; Wave – slight; tide- F2(93.5 ft.)

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

Date and time of last inspection of screen: 09/06/2021; at 08:15 PM

Water temperature (°C) at site and time of observation: 25.5 °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: 99.9% /Unit 2: 97.9%

Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: Unit 1: 100.0% /Unit 2: 97.7%

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 09 Day 07 Year 2021

DATE EXAMINED:

Month 09 Day 07 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 11A 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 68.5 cm

Total length 78.7 cm

Length ☒ actual ☐ estimate

Mouth width (inside lips, see reverse side) 2.5 cm

Interorbital width (see reverse side) 5.7 cm

Weight ☒ actual ☐ estimate 1.9 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)

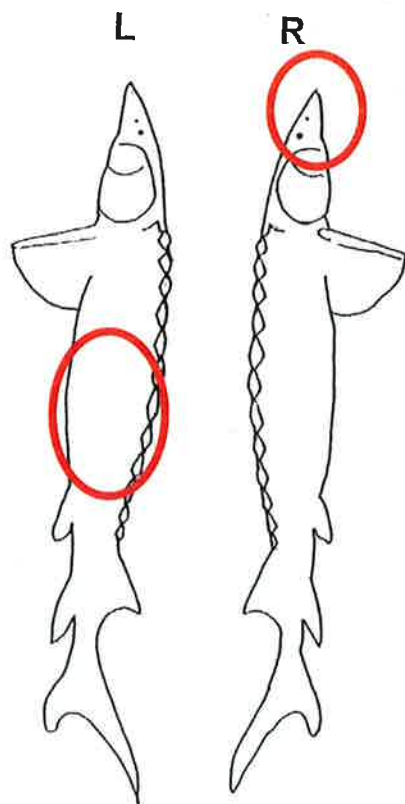
Pelvic fin clip

stored in non-denatured ethanol and refrigerated.

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

Comments: A deceased and severely damaged Atlantic sturgeon was collected from the Salem Circulating Water Intake Structure during routine trash rack cleaning on 09/07/21, at approximately 10:45AM. 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 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



Some minor bruising
observed to the ventral
surface of the rostrum

A large laceration, which
nearly severed the torso in
two, was observed,
extending ventrally on the
left side up to the dorsal
surface

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 and in poor condition at the time of observation, with severe damage in the form of a large laceration on the left side of the torso, extending vertically from the belly up to the dorsal surface of the back, exposing internal organs and tissue. Minor bruising to the ventral surface of the rostrum was also observed (refer to illustration).**

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 left, dorsolateral view, showing the size and condition of a deceased, and severely damaged Atlantic sturgeon (*Acipenser oxyrinchus*), retrieved at approximately 10:45AM on 09/07/2021 from the Salem Circulating Water Intake trash collection basket by Salem Yard Crew personnel during routine trash rack cleaning at Salem Nuclear Generating Station (09/07/2021).



A dorsal view, showing the condition of the specimen at the time of the collection and observation. A large laceration was observed on the left side of the torso, extending ventrally and at an angle, up to the dorsal surface of the back (09/07/2021).

Photographs



A dorsolateral view of the left side of the torso, providing a close up of the severe laceration. The wound nearly severed the specimen completely in two, exposing internal organs and tissue (09/07/2021).



A dorsolateral view of the left side of the head, showing the characteristic elongated rostrum. Some evidence of minor bruising was observed on portions of the head, particularly on the ventral aspect of the rostrum (09/07/2021).

Photographs



A ventral view of the head, showing the characteristic small mouth. Minor bruising of the surface tissue was evident at the time of collection and processing (09/07/2021).