NRR-DMPSPEm Resource

From: Strait, Kenneth A. <Kenneth.Strait@pseg.com>
Sent: Wednesday, December 26, 2018 3:06 PM
To: incidental.take@noaa.gov
Cc: jeanette.bowers@dep.nj.gov; EndangeredSpecies Resource
Subject: [External_Sender] SALEM GENERATING STATION-INCIDENTAL TAKE OF ATLANTIC STURGEON
Attachments: Sturgeon Incidental Take Report 12-24-2018.pdf

Attached are the Incidental Take Report and Data Collection Form for an Atlantic sturgeon recovered on Monday from the Salem Generating Station cooling water intake trash racks. The frozen specimen is being 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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Subject: [External_Sender] SALEM GENERATING STATION-INCIDENTAL TAKE OF ATLANTIC STURGEON
Sent Date: 12/26/2018 3:06:25 PM
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From: Strait, Kenneth A.

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Recipients:
"jeanette.bowers@dep.nj.gov" <jeanette.bowers@dep.nj.gov>
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"EndangeredSpecies Resource" <EndangeredSpecies.Resource@nrc.gov>
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"incidental.take@noaa.gov" <incidental.take@noaa.gov>
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Sturgeon Incidental Take Report 12-24-2018.pdf	415334	

Options
Priority: Standard
Return Notification: No
Reply Requested: Yes
Sensitivity: Normal
Expiration Date:
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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: Alex Riehle (Environmental Consulting Services, Inc. (ECSI)
Reporter's full name: Alex Riehle

Species Identification : Atlantic Sturgeon (Acipenser oxyrinchus)

Site of Collection: PSEG Salem Generating Station, SGS Unit 1: CWI 11B

Date animal observed: 12/24/2018 Time animal observed: 13:30 pm
Date animal collected: 12/24/2018 Time animal collected: 13:30 pm

Environmental conditions at time of observation (i.e., tidal stage, weather):
Air temp. – 6.6; wind – NW; sky – overcast; tide – Ebb2

If removed from intakes (trash racks or traveling screens):
Date and time of last inspection of screen: 12/24/18 at 11:12am
Water temperature (°C) at site and time of observation: 6.5 °C
Number of pumps operating at time of observation: Unit 1: 6 circulators / Unit 2: 5 circulators
Average percent of power generating capacity achieved per unit at time of observation: Unit 1: 100.0% /Unit 2: 99.4%
Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: Unit 1: 100.1% /Unit 2: 99.3%

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 12 Day 24 Year 2018
DATE EXAMINED:
Month 12 Day 24 Year 2018

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 11B, 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	**83.5 cm**
Total length	**93.5 cm**
Length ☒ actual ☐ estimate	
Mouth width (inside lips, see reverse side)	**NR cm**
Interorbital width (see reverse side)	**NR cm**
Weight ☒ actual ☐ estimate	**4.6 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
Tag found	**PIT**	**left side; base of dorsal fin**

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/vide taken? ☒ Yes ☐ No

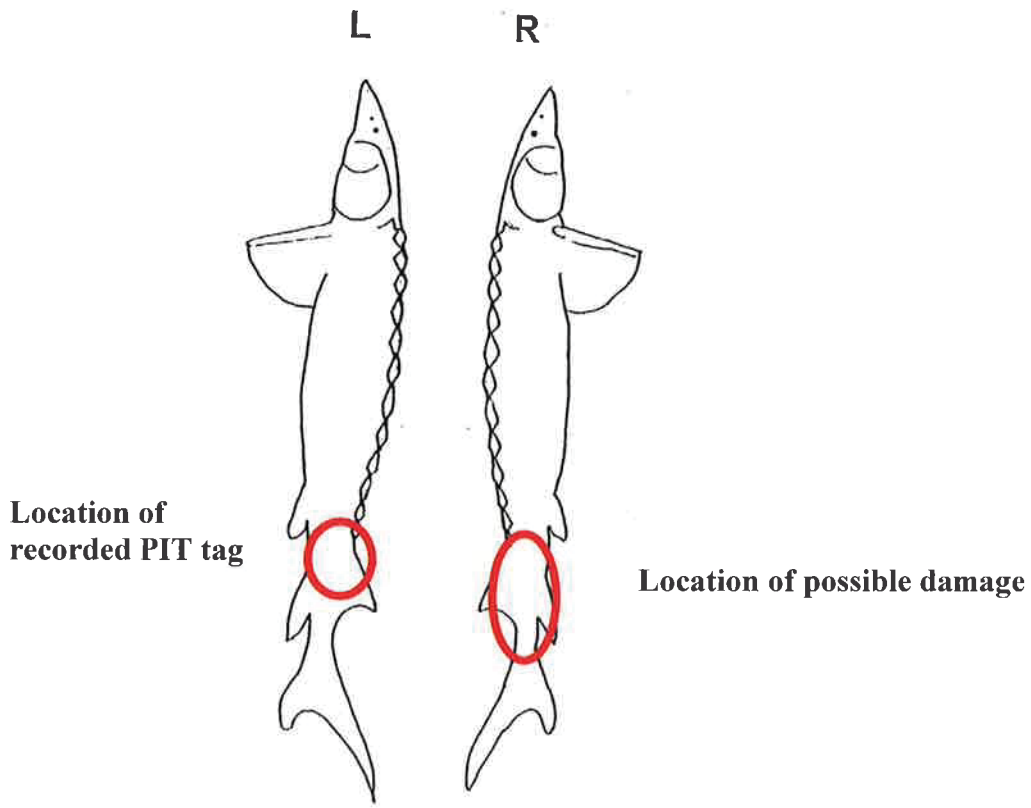
Disposition of Photos/Video **PSEG Nuclear Environmental Affairs**

SAMPLES COLLECTED? ☐ Yes ☒ No

Sample	How preserved	Disposition (person, affiliation, use)

Comments: A deceased and severly decomposed Atlantic sturgeon was collected from the Salem Circulating Water Intake Structure during routine trash rack cleaning on 12/24/18, at 13:30pm. After positive identification was made by Environmental Consulting Services personnel, the specimen was measured, photograhed, and inspected for tags. No evidence of external tags was found, however an existing PIT tag was indicated, with the #965000000360995. This number matches the tag given to a damaged Atlantic sturgeon collected at Salem on 11/20/2018. As a result, no pelvic fin clip was taken. 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 refridgeration, awaiting direction on further disposition. The offices of NMFS and NJDEP the were contacted by PSEG Nuclear Environmental Affairs personnel, at approximately 15:45am and 15:48am respectively.

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 and was found to be in a state of severe decomposition. Upon further inspection, the specimen was found to have a PIT tag with the number 965000000360995, which corresponds with the tag implanted on a previous live, but damaged Atlantic sturgeon, collected at Salem on 11/20/2018 at 10:50am. This specimen was released back to the River upon completion of processing. Despite the poor condition, evidence of damage to the current specimen is consistent with that observed on the specimen from 11/20/18 and described in the incidental take report for that date.**

Submit completed forms (within 24 hours of observation of fish): by e-mail to 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 dorsolateral view showing the size and condition of the deceased, Atlantic Sturgeon (Acipenser oxyrinchus), observed and retrieved at 13:30pm on 12/24/18 by Salem Yard Crew personnel during routine trash rack cleaning at Salem Nuclear Generating Station (12/26/2018).

Dorsal view of the specimen showing overall condition. Due to being in a state of severe decomposition, definitive evidence of a cause of death could not be identified. Although no external tags were observed, the existence of a PIT tag, #965000000360995, was indicated. This tag number matches the number implanted on a previous Atlantic sturgeon, collected at Salem on November 20, 2018 (12/26/2018).

Photographs

Ventral view of the head showing the characteristic elongated rostrum. The effects of severe decomposition, particularly on the mouth and on other areas of soft tissue, are clearly illustrated in the above photo (12/26/2018).

View of the posterior portion of the specimen, showing an area of potential damage that appears consistent with damage observed on a prior Atlantic sturgeon collected at Salem on 11/20/2018. The current carcass was returned to the ECSI office and placed under refrigeration, waiting further instruction on disposition (12/26/2018).