NRR-DMPSPEm Resource

From: Strait, Kenneth A. <Kenneth.Strait@pseg.com>
Sent: Wednesday, January 2, 2019 5:07 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 01-01-2019.pdf

Attached are the Incidental Take Report and Data Collection Form for an Atlantic sturgeon recovered on New Year's Day 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: 1/2/2019 5:06:58 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
"EndangeredSpecies Resource" <EndangeredSpecies.Resource@nrc.gov>
Tracking Status: None
"incidental.take@noaa.gov" <incidental.take@noaa.gov>
Tracking Status: None

Post Office: pseg.com

Files	**Size**	**Date & Time**
MESSAGE	1438	1/2/2019 5:07:14 PM
Sturgeon Incidental Take Report 01-01-2019.pdf	459702	

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: 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: 01/01/2019 Time animal observed: 23:00 pm
Date animal collected: 01/02/2019 Time animal collected: 03:00 am

Environmental conditions at time of observation (i.e., tidal stage, weather):
Air temp. – 5.0 °C; Sal. – 3.0 ppt; wind – NW; sky – Partly cloudy; wave – slight; tide – Ebb2(90.0)

If removed from intakes (trash racks or traveling screens):
Date and time of last inspection of screen: 01/01/19 at 21:56pm
Water temperature (°C) at site and time of observation: 6.0 °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: 99.4%
Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: Unit 1: 99.9% /Unit 2: 99.4%

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 01 Day 01 Year 2019
DATE EXAMINED:
Month 01 Day 02 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 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	**62.3 cm**
Total length	**68.6 cm**
Length ☒ actual ☐ estimate	
Mouth width (inside lips, see reverse side)	**2.0 cm**
Interorbital width (see reverse side)	**4.5 cm**
Weight ☒ actual ☐ estimate	**1.6 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
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/vide taken? ☒ Yes ☐ No

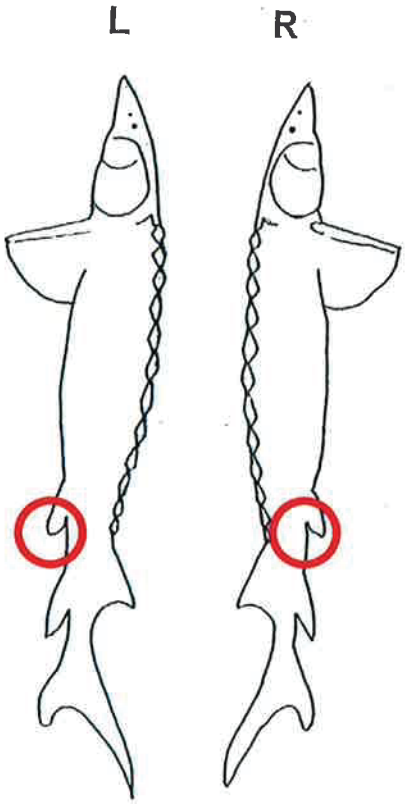
Disposition of Photos/Video **PSEG Nuclear Environmental Affairs**

SAMPLES COLLECTED? ☐ Yes ☒ No

Sample	How preserved	Disposition (person, affiliation, use)

Comments: A deceased Atlantic sturgeon was collected from the Salem Circulating Water Intake Structure during routine trash rack cleaning on 01/02/19, at 03:00am. 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, 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 refridgeration, 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. The offices of NMFS and the NJDEP were contacted by PSEG Nuclear Environmental Affairs personnel, at approximately 07:30am and 07:35am on 01/02/2019 respectively.

Draw wounds, abnormalities, tag locations on diagram and briefly describe below



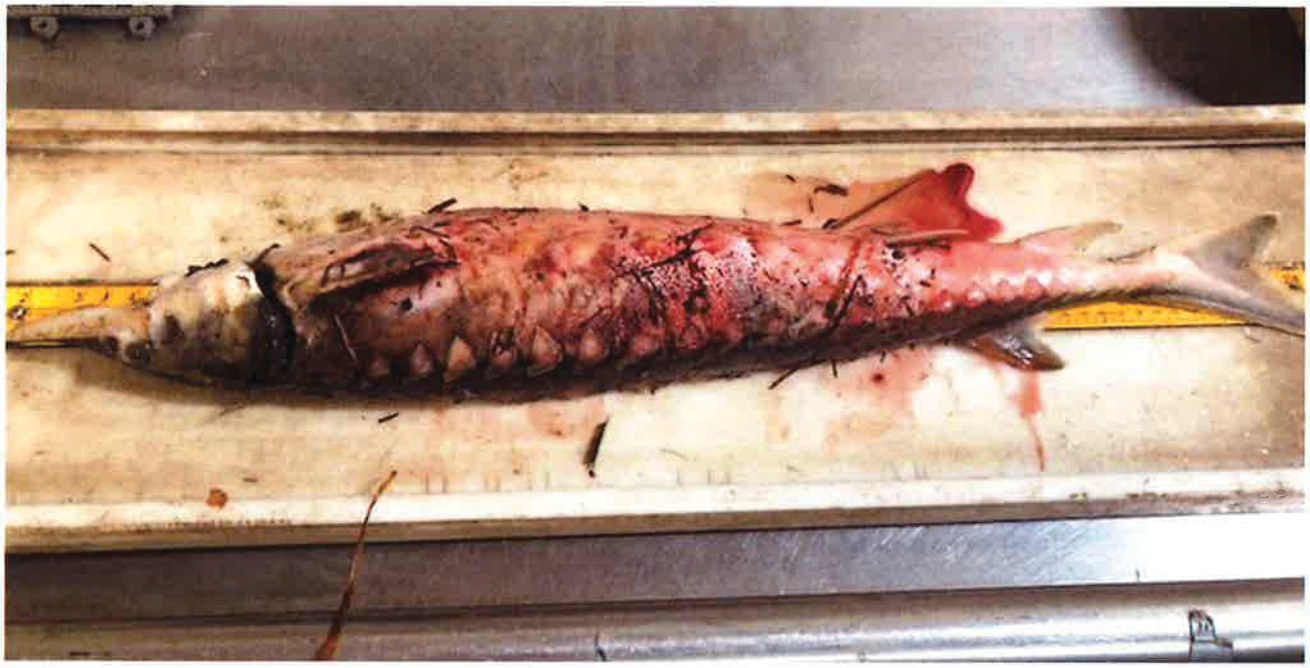
Location of observed blood loss

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 good condition except for blood loss occurring from the vent (refer to illustration above). 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 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.

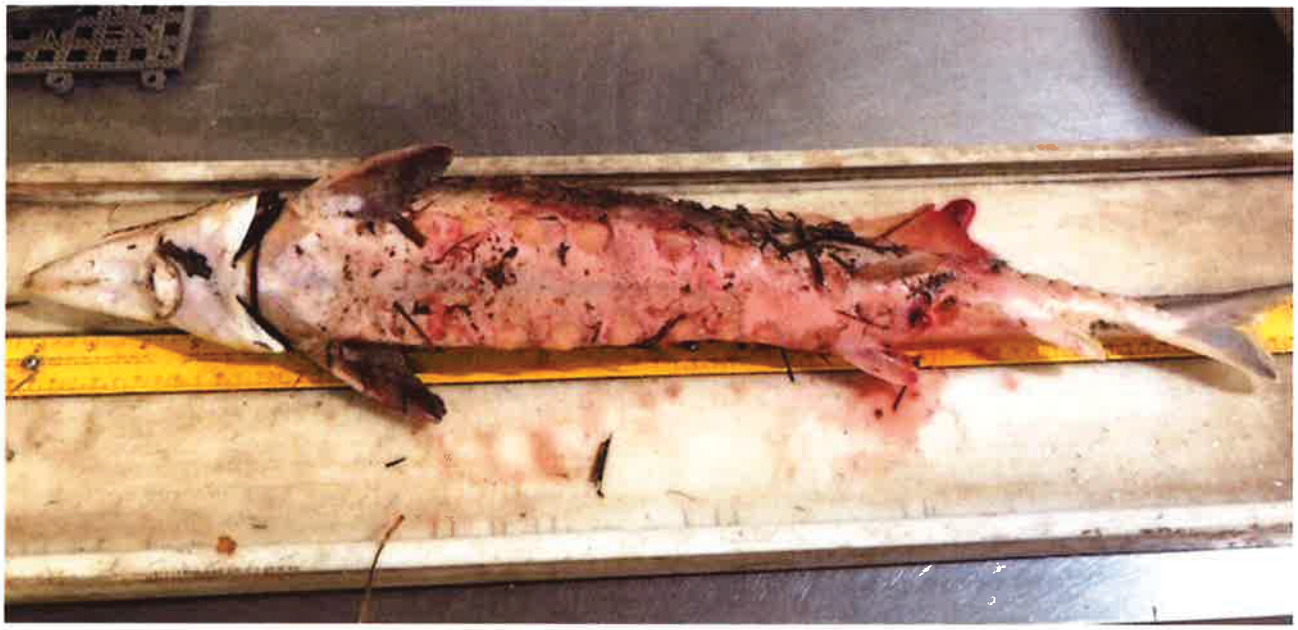
Photographs



A dorsolateral view showing the size and condition of the deceased, Atlantic Sturgeon (Acipenser oxyrinchus), observed and retrieved at 03:00am on 01/02/19 from 11B circulator intake by Salem Yard Crew personnel during routine trash rack cleaning at Salem Nuclear Generating Station (01/02/2019).

Dorsal view of the specimen showing overall condition. During processing, blood loss was observed to be occurring in the vicinity of the vent, but no distinctive laceration, abrasion, or puncture wound was observed. No internal or external tags were indicated, but a pelvic fin clip sample was collected, which will be held for aggregated shipment to a USFWS designated laboratory for future DNA analysis (01/02/2019).

Photographs



A ventral view of the specimen, showing condition at the time of processing. The carcass was returned to the ECSI office and is being stored under refrigeration, waiting further instruction on disposition (01/02/2019).

A ventral view of the specimen, providing a close-up view of the location of damage observed in the vicinity of the vent. Lacking definitive evidence of an external wound, the observed bleeding is most likely a result of potential internal damage (01/02/2019).

Photographs

Image providing a ventral view of the specimen, and showing the characteristic small mouth and elongated rostrum (01/02/2019).