

NRR-PMDAPEm Resource

From: Adams, Thomas C. <Thomas.Adams@pseg.com>
Sent: Tuesday, January 03, 2017 1:20 PM
To: EndangeredSpecies Resource
Subject: [External_Sender] PSEG Nuclear Atlantic Sturgeon Report 12/30/16
Attachments: Sturgeon Collection Report 12302016.pdf

Attached is the report detailing the collection of a live Atlantic Sturgeon on Friday 12/30/2016. The animal was photographed and tagged before being released back to the Delaware River. Please let me know if there are any questions.

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Mail Envelope Properties (A420DA7E700C0F418B725B20C04D5C83433E2C69F9)

Subject: [External_Sender] PSEG Nuclear Atlantic Sturgeon Report 12/30/16
Sent Date: 1/3/2017 1:19:36 PM
Received Date: 1/3/2017 1:20:38 PM
From: Adams, Thomas C.

Created By: Thomas.Adams@pseg.com

Recipients:
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Files	Size	Date & Time
MESSAGE	1141	1/3/2017 1:20:38 PM
Sturgeon Collection Report 12302016.pdf		1516641

Options
Priority: Standard
Return Notification: No
Reply Requested: No
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: Doug Potts (Environmental Consulting Services, Inc.)
Reporter's full name: Doug Potts

Species Identification : Atlantic Sturgeon (Acipenser oxyrinchus)

Site of Collection: PSEG Salem Generating Station, SGS Unit 2; CWI 21B

Date animal observed: 12/30/2016 Time animal observed: 09:45am

Date animal collected: 12/30/2016 Time animal collected: 09:45am

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

Air temp.: 4.0 °C; sal.: 10.0 ppt; wind -W; sky - partly cloudy; wave - rough; tide - FL2 (92.0ft)

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

Date and time of last inspection of screen: 12/30/2016 at 08:52am

Water temperature (°C) at site and time of observation: 5.0 °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 - 100% / Unit 2 - 100%

Average percent of power generating capacity achieved per unit over the 48 hours previous to

observation: Unit 1 - 100% / Unit 2 - 100%

STURGEON DATA COLLECTION FORM

For use in documenting sturgeon injury or mortality incidental to a federal action

OBSERVER'S CONTACT INFORMATION

Name: First Douglas 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

SEC 7 UNIQUE IDENTIFIER (PCTS)
No. Assigned by NMFS)

DATE REPORTED:

Month 12 Day 30 Year 2016

DATE EXAMINED:

Month 12 Day 30 Year 2016

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 Hancocks Bridge State NJ

Descriptive location (be specific) Removed from Circulating Water Intake Structure (CWIS) intake trash racks, intake bay 21B, 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

Specimen was alive but damaged

SEX:

☒ Undetermined

☐ Female ☐ Male

How was sex determined?

☐ Necropsy

☐ Eggs/milt present when pressed

☐ Boreoscope

MEASUREMENTS:

Circle unit

Fork length

62.0 cm

Total length

72.7 cm

Length ☒ actual ☐ estimate

Mouth width (inside lips, see reverse side)

4.2 cm

Interorbital width (see reverse side)

5.0 cm

Weight ☒ actual ☐ estimate

1.4 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) Specimen was alive but with moderate damage at the time of collection. It was released back to the River after processing.

Carcass Necropsied?

☐ Yes ☒ No

Date Necropsied: _____

Necropsy Lead: _____

PHOTODOCUMENTATION:

Photos/video taken? ☒ Yes ☐ No

Disposition of Photos/Video PSEG Nuclear Environmental Affairs personnel.

SAMPLES COLLECTED? ☒ Yes ☐ No

Sample _____ How preserved _____

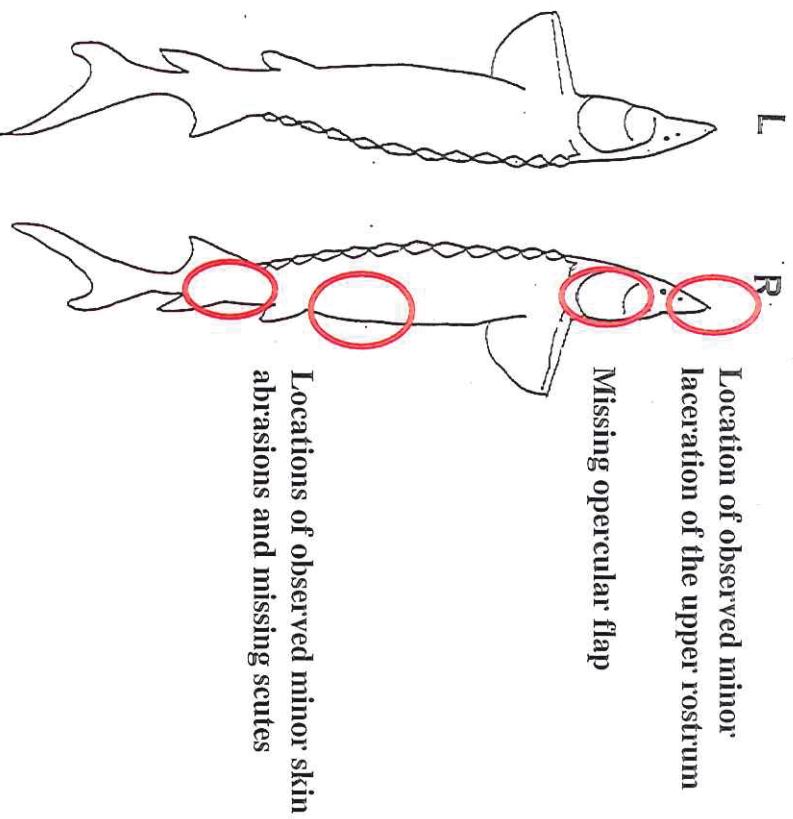
Disposition (person, affiliation, use) _____

Pelvic fin clip _____ stored in non-denatured ethanol

_____ and then refrigerated. _____ Held at the Office of ECSI, waiting for further instruction on disposition. _____

Comments: The live, but damaged Atlantic sturgeon was observed outside the Salem Circulating Water Intake Structure during routine trash rack leaning on 12/30/16, at 09:45am. Positive identification was made by Environmental Consulting Services personnel at 11:30am. 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 #96500000360178. A pelvic fin clip was also collected for future DNA analysis. Upon completion of processing, the specimen was released back to the Delaware River at 12:10pm. The fin clip sample has been stored in refrigeration at the ECSI main office, waiting further instruction on disposition. PSEG Nuclear Environmental Affairs personnel, after being contacted in regards to the incidental take, contacted the NMFS and the NDEP at 12:16pm and 12:17pm 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 alive but revealed evidence of recent damage in the form of minor skin abrasions and missing scutes along its right side, both posterior and anterior to the pelvic fin, as well as a minor laceration to the dorsal region of the rostrum. Additionally, it was observed that the specimen was missing the opercular flap on its right side, leaving the gills exposed. The injury appears to be old, as there was evidence of scar tissue. No evidence of existing tags or prior fin clips were observed. The specimen was returned to the Delaware River immediately after processing.

Submit completed forms (within 24 hours of observation of fish): by e-mail to [Incidental Take@noaa.gov](mailto: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



View showing the size of the live, but damaged Atlantic Sturgeon (*Acipenser oxyrinchus*) retrieved at 09:45am on 12/30/16 by Salem Yard Crew personnel during routine trash rack cleaning at the PSEG Salem CWIB. Damage to the specimen, in the form of minor skin abrasions and missing scutes was observed and is clearly shown in the following photograph (12/30/2016).

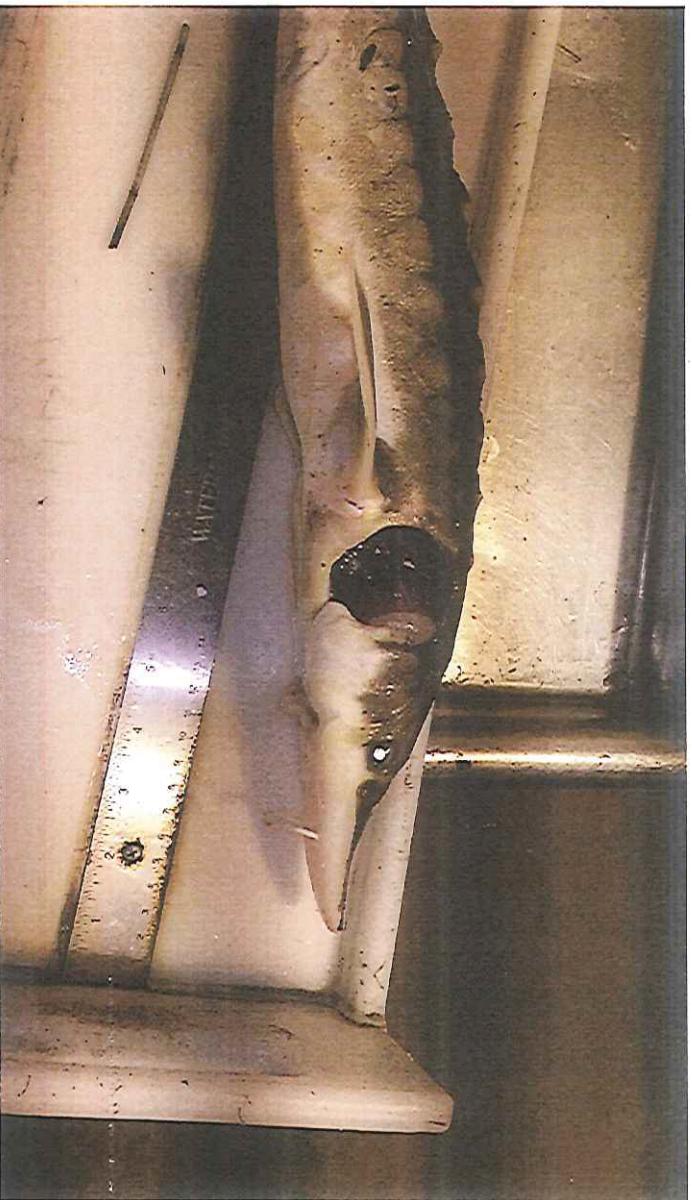


This right lateral view shows the minor skin abrasions and missing scales located below the dorsal fin and both anterior and posterior to the right pelvic fin (12/30/2016).

Photographs



This photo provides a closer view of the damaged area as shown in the previous photo (12/30/2016).

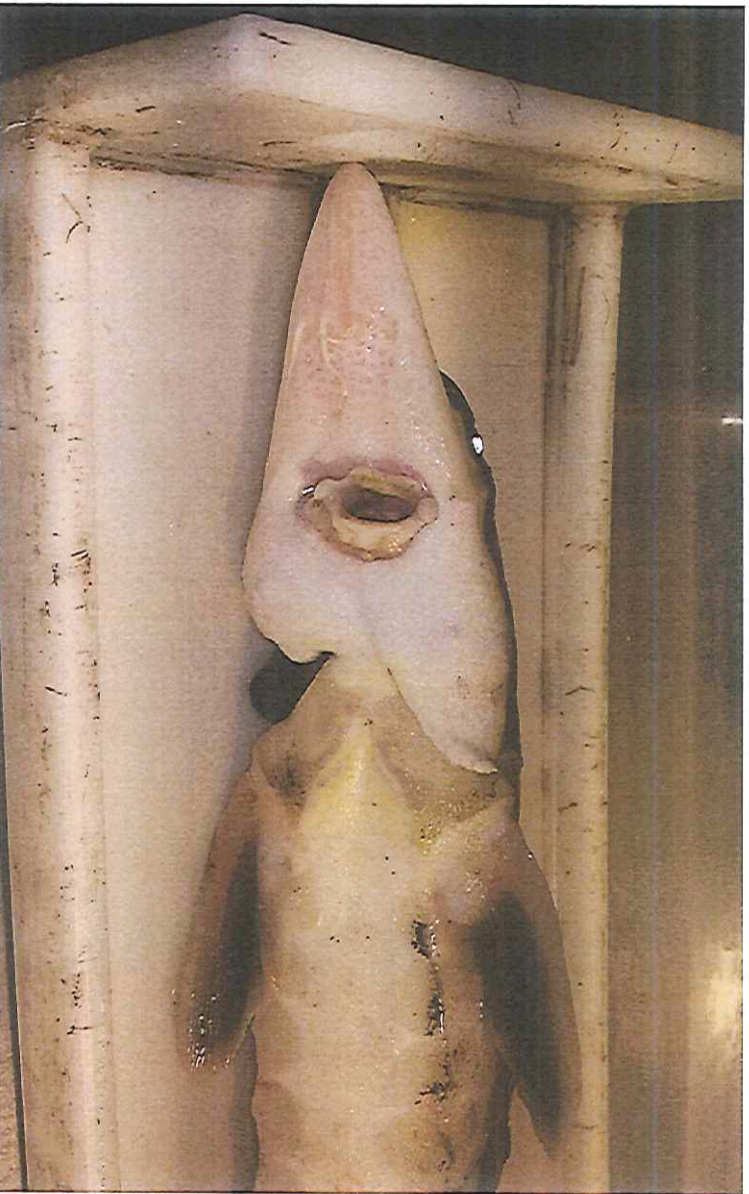


This photo shows evidence of a missing opercular flap on the specimen's right side, which appears to be an older injury that has successfully healed (12/30/2016).

Photographs



Dorsal view of the specimen showing the location of a minor laceration to the tip of the rostrum (12/30/2016).



A ventral view of the specimen, showing the small mouth and elongated rostrum, each a characteristic feature of the species. No tags were indicated during processing, so PIT tagging procedures were implemented. Specimen has been identified with Tag #96500000360178. A pelvic fin clip was collected and has been preserved in non-denatured ethanol. The sample has been placed in refrigeration at the ECSI office, waiting further instruction on disposition (12/30/16).