

NRR-DMPSPeM Resource

From: Pego, Michael A <Michael.Pego@pseg.com>
Sent: Wednesday, December 20, 2017 10:37 AM
To: EndangeredSpecies Resource
Subject: [External_Sender] PSEG Nuclear - Sturgeon Collection 12/19/17
Attachments: Sturgeon Incidental Take Report for 121917.pdf

Good Morning,

Attached is a report documenting the collection, tagging and release of a live shortnose sturgeon at PSEG Nuclear, Salem Generating Station. Please do not hesitate to contact me with any questions. Thank you.

Michael A. Pego
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Hearing Identifier: NRR_DMPS
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Mail Envelope Properties (c3a15ac48d33405a92b65c1c09a4dfa8)

Subject: [External_Sender] PSEG Nuclear - Sturgeon Collection 12/19/17
Sent Date: 12/20/2017 10:36:42 AM
Received Date: 12/20/2017 11:01:54 AM
From: Pego, Michael A

Created By: Michael.Pego@pseg.com

Recipients:
"EndangeredSpecies Resource" <EndangeredSpecies.Resource@nrc.gov>
Tracking Status: None

Post Office: pseg.com

Files	Size	Date & Time
MESSAGE	1069	12/20/2017 11:01:54 AM
Sturgeon Incidental Take Report for 121917.pdf		1451375

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: Doug Potts (Environmental Consulting Services, Inc. (ECSI))
Reporter's full name: Doug Potts

Species Identification : shortnose sturgeon (Acipenser brevirostrum)

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

Date animal observed: 12/19/2017 Time animal observed: 09:00am

Date animal collected: 12/19/2017 Time animal collected: 09:12am

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

Air temp. - 11.0°C; sal. - 10.0 ppt; wind – NW; sky – clear; wave – slight; tide – Flood 2 (92.5ft)

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

Date and time of last inspection of screen: 12/18/2017 @ 19:41pm

Water temperature (°C) at site and time of observation: 6.5 °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% / 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 st urgeon 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 19 Year 2017

DATE EXAMINED:

Month 12 Day 19 Year 2017

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 21A, 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/mlt present when pressed
☐ Bore scope

MEASUREMENTS:

	Circle unit
Fork length	<u>70.0 cm</u>
Total length	<u>80.6 cm</u>
Length <input checked="" type="checkbox"/> actual <input type="checkbox"/> estimate	
Mouth width (inside lips, see reverse side)	<u>3.8 cm</u>
Interorbital width (see reverse side)	<u>5.4 cm</u>
Weight <input checked="" type="checkbox"/> actual <input type="checkbox"/> estimate	<u>2.4 kg</u>

TAGS PRESENT? Examined for external tags including fin clips? ☒ Yes ☐ No

Tag

Scanned for PIT tags? ☒ Yes ☐ No

NO TAGS FOUND

Location of tag on carcass

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 and in good
condition 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

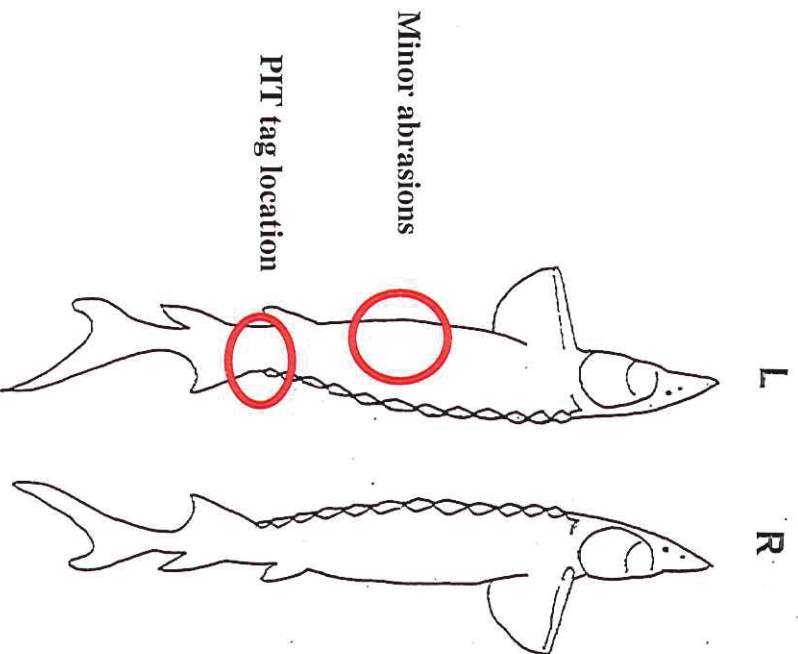
Pelvic fin clip stored in non-denatured ethanol

Disposition (person, affiliation, use)

Held at the Office of ECSI, waiting for further
instruction on disposition.

Comments: A live shortnose sturgeon was observed outside the Salem Circulating Water Intake Structure during routine trash rack cleaning on 12/19/17, at 09:00am. Positive identification was made by Environmental Consulting Services personnel at 10:40am. 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 #96500000358875. 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 11:30am. 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 NUDRP at 09:29am and 09:31am 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 and in good condition at the time of collection.** Some very minor abrasions were observed on its left side, midway between the pectoral fin and the pelvic fin, as well as along the denticles, just below the dorsal fin. The specimen was returned to the Delaware River immediately after processing. **Specimen was PIT tagged (Refer to illustration regarding tag location)**

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

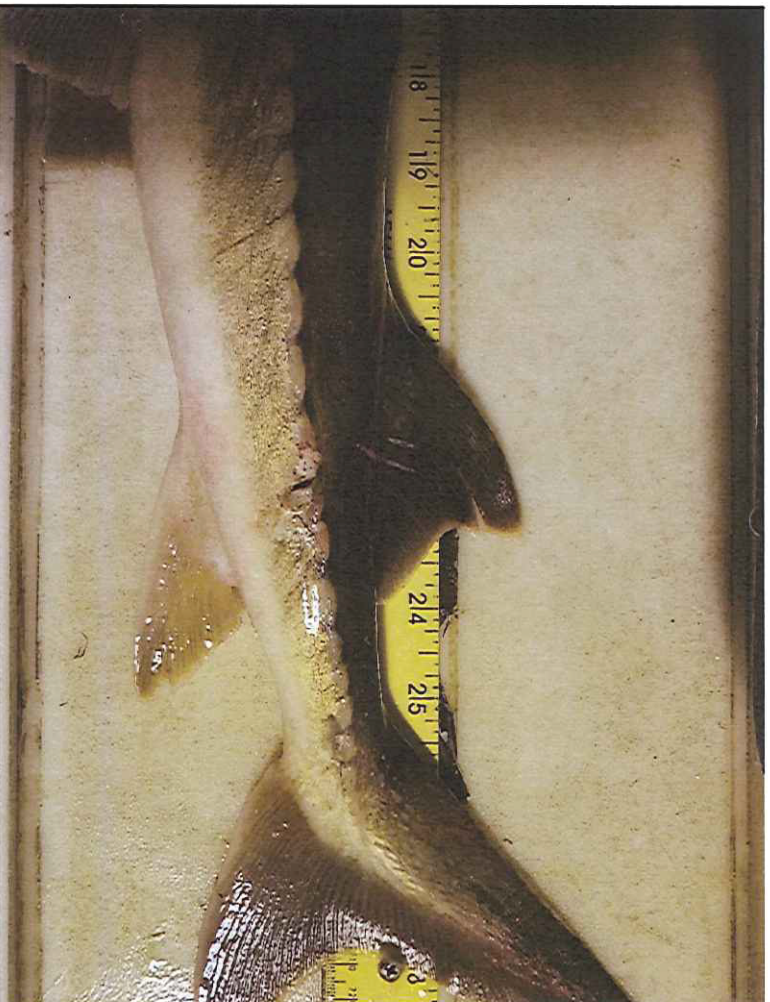


View showing the size of the live, shortnose sturgeon (*Acipenser brevirostrum*) retrieved at 09:12am on 12/19/17 by Salem Yard Crew personnel during routine trash rack cleaning at the PSEG Salem CWIB. Except for some minor skin abrasions, the specimen was in good condition (12/19/2017).

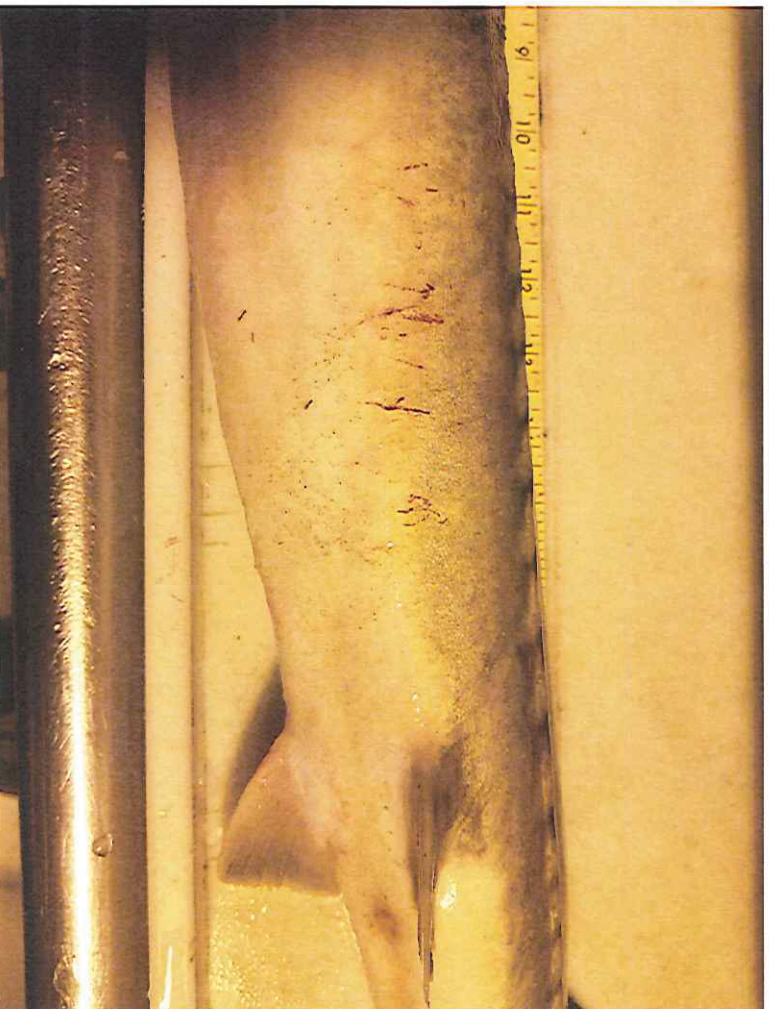


A left, dorsolateral view, showing the minor skin abrasions located on the stomach between the pectoral fin and the pelvic fin, as well as along the denticles, below the dorsal fin (12/19/2017).

Photographs



This photo provides a closer view of the minor skin abrasion located along the deticles, just below the dorsal fin (12/19/2017).



A close-up view showing the minor skin abrasions located on the stomach between the pectoral and pelvic fin (12/19/2017).

Photographs



A ventral view of the specimen, showing the large mouth and shortened 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 #96500000358875. 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 (12/19/17).