

From: Strait, Kenneth A. <Kenneth.Strait@pseg.com>
Sent: Wednesday, October 12, 2022 10:20 AM
To: incidental.take@noaa.gov; EndangeredSpecies Resource
Cc: Neilan, Brian
Subject: [External_Sender] Salem Generating Station - Incidental Take Report Atlantic sturgeon 10/11/2022 (bottom trawl)
Attachments: Sturgeon Incidental Take Report for 10-11-2022.pdf

Attached is the Incidental Take Report and Data Collection Form for a live Atlantic sturgeon collected on 10/11/2022 during routine bottom trawl sampling in the Delaware Estuary. The sturgeon was in good condition and quickly examined and released. The bottom trawl monitoring program is a requirement of Salem Generating Station NJPDES Permit No. NJ0005622 and incidental takes are 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 (e5de8b77dc2a4bdc0b9165538fe1e)

Subject: [External_Sender] Salem Generating Station - Incidental Take Report Atlantic sturgeon 10/11/2022 (bottom trawl)
Sent Date: 10/12/2022 10:19:45 AM
Received Date: 10/12/2022 10:20:01 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	1638	10/12/2022 10:20:01 AM
Sturgeon Incidental Take Report for 10-11-2022.pdf	396525	

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: Brian Woolman (Environmental Consulting Services, Inc. (ECSI))

Reporter's full name: Brian Woolman

Species Identification : Atlantic sturgeon (Acipenser oxyrinchus)

Site of Collection: Baywide Bottom Trawl: Cell #87. LAT 38.885900° / LON -75.176183°

Date animal observed: 10/11/2022 Time animal observed: 09:56 AM

Date animal collected: 10/11/2022 Time animal collected: 09:50 AM

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

Air temp. - 14.0°C; sal. - 30.1 ppt; wind - W; sky - clear; wave - calm; tide - Flood 2

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

Date and time of last inspection of screen: NA

Water temperature (°C) at site and time of observation: 16.7 °C

Number of pumps operating at time of observation: NA

Average percent of power generating capacity achieved per unit at time of observation: NA

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

STURGEON DATA COLLECTION FORM

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

OBSERVER'S CONTACT INFORMATION

Name: First Brian Last Woolman
Agency Affiliation PSEG subcontractor Email bwoolman@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 10 Day 11 Year 2022
DATE EXAMINED:
Month 10 Day 11 Year 2022

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 Bay City Prime Hook State DE
Descriptive location (be specific) In the Delaware Bay, 4.3 mi northeast of Primehook, DE and 7.6 mi northwest of Lewes, DE.

Latitude 38.885900° (Dec. Degrees) Longitude -75.176183° (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	<u>79.3 cm</u>
Total length	<u>91.5 cm</u>
Length <input checked="" type="checkbox"/> actual <input type="checkbox"/> estimate	
Mouth width (inside lips, see reverse side)	<u>5.2 cm</u>
Interorbital width (see reverse side)	<u>7.4 cm</u>
Weight <input type="checkbox"/> actual <input type="checkbox"/> estimate	<u>3.8 kg</u>

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
<u>None found</u>		

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:

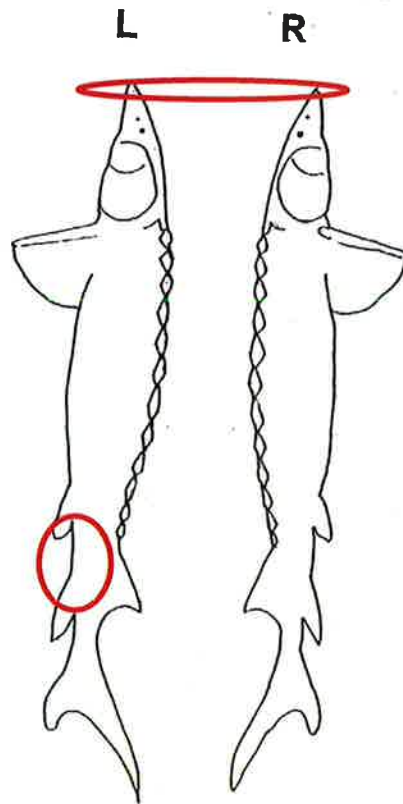
Photos/video taken? Yes No
Disposition of Photos/Video PSEG Nuclear Environmental Affairs

SAMPLES COLLECTED? Yes No

Sample	How preserved	Disposition (person, affiliation, use)
<u>Pelvic fin clip</u>	<u>stored in non-denatured ethanol and then refrigerated</u>	<u>Held at the office of ECSI for aggregated shipment to designated laboratory</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Comments: A live, Atlantic sturgeon was collected during routine PSEG Baywide Bottom Trawl sampling on 10/11/22. Positive identification was made by Environmental Consulting Services personnel upon observation at 09:56AM, and PSEG Nuclear Environmental Affairs personnel were contacted in regards to the incidental take. The specimen was measured, photographed, and inspected for tags. No evidence of external tags was found, and no existing PIT tag was indicated. Therefore, PIT tagging procedures for placement of a tag were implemented. Specimen has been identified with tag #933000320501372. A pelvic fin clip was also collected for future DNA analysis. The fin clip has been stored in refrigeration and will be held for aggregated shipment to a designated laboratory. Upon completion of processing, the specimen was immediately released back to the Delaware Bay at approximately 10:10AM.

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



A minor abrasion was observed at the anterior of the rostrum.

A minor abrasion observed on the left side of the torso, between the pelvic fins and the anal fin.

Describe any wounds / abnormalities (note tar or oil, gear or debris entanglement, propeller damage, etc.). **Please note if no wounds / abnormalities are found. Except for a minor abrasion on the end of the rostrum, and a small abrasion on the on the left side of the torso, the specimen was alive and healthy at the time of collection. The specimen was returned to the Delaware Bay immediately after processing.**

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

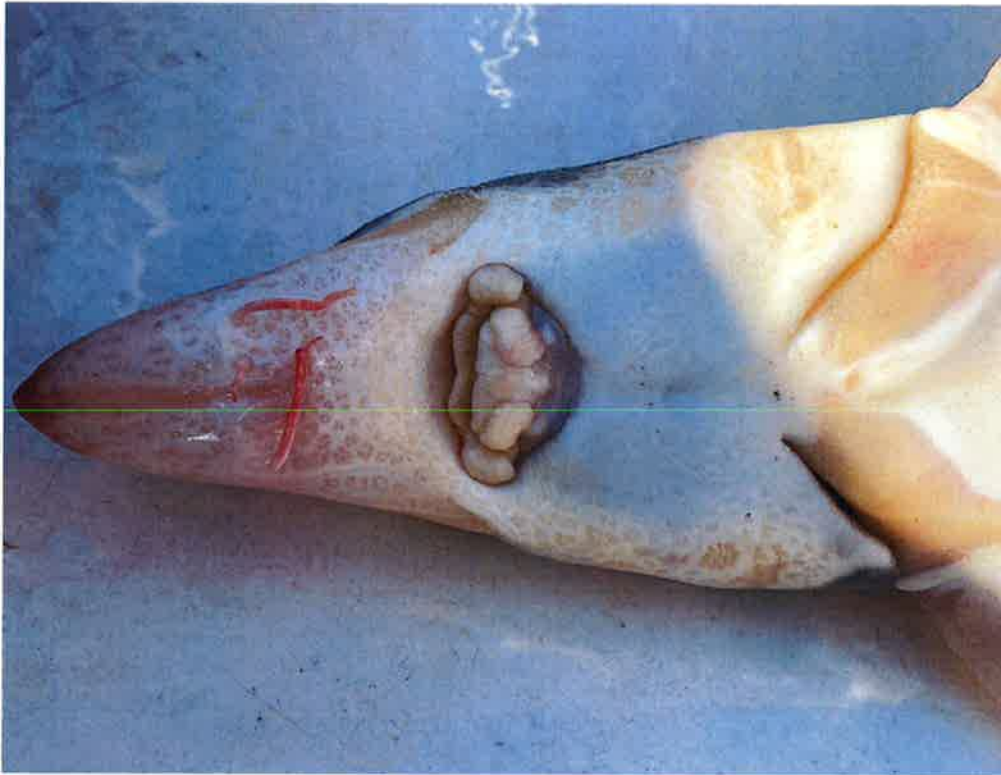


A dorsal view, showing the size and condition of a live, Atlantic sturgeon (*Acipenser oxyrinchus*) collected on 10/11/22, and observed at 09:56AM during Baywide Bottom Trawl sampling. Baywide trawl cell: #87; LAT 38.885900°; LON -75.176183° [4.3 mi northeast of Primehook Beach, DE and 7.6 mi northwest of Lewes, DE]. Collection was made on board the ECSI research vessel, Sea Regalis (10/11/2022).



A ventral view of the specimen (10/11/2022).

Photographs



A ventral view of the head, showing the characteristic small mouth and elongated rostrum (10/06/2022).



A close-up view of the anterior end of the rostrum, showing evidence of a minor abrasion (10/11/2022)

Photographs



A close-up view showing a small abrasion on the left side of the torso, located between the pelvic fin and the anal fin (10/11/2022).