

From: Cary, Richard H. <Richard.Cary@pseg.com>
Sent: Friday, June 2, 2023 8:42 AM
To: nmfs.gar.incidental-take@noaa.gov; EndangeredSpecies Resource
Cc: Corbett, Heather [DEP]; Fehring, Shana [DEP]; Neilan, Brian [DEP]
Subject: [External_Sender] PSEG Bottom Trawl Sampling - Incidental Take Report - Atlantic Sturgeon 6/1/2023
Attachments: Sturgeon Incidental Take Report for 06-01-2023 BBT.pdf

Attached are the Incidental Take Report and Data Collection Form for a live Atlantic sturgeon collected on 6/1/2023 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 GAR-2020-02842.

Thanks, and please let me know if you have any questions or need additional information.

Richard Cary
Environmental Compliance & Program Manager
PSEG Nuclear Environmental Affairs
856-339-1487

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Subject: [External_Sender] PSEG Bottom Trawl Sampling - Incidental Take Report - Atlantic Sturgeon 612023
Sent Date: 6/2/2023 8:42:02 AM
Received Date: 6/2/2023 8:42:22 AM
From: Cary, Richard H.

Created By: Richard.Cary@pseg.com

Recipients:

"Corbett, Heather [DEP]" <Heather.Corbett@dep.nj.gov>

Tracking Status: None

"Fehring, Shana [DEP]" <Shana.Fehring@dep.nj.gov>

Tracking Status: None

"Neilan, Brian [DEP]" <Brian.Neilan@dep.nj.gov>

Tracking Status: None

"nmfs.gar.incidental-take@noaa.gov" <nmfs.gar.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	1296	6/2/2023 8:42:22 AM
Sturgeon Incidental Take Report for 06-01-2023 BBT.pdf		284506

Options

Priority: Normal

Return Notification: No

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 #986. LAT 39.645050° / LON -75.549450°

Date animal observed: 6/01/2023 Time animal observed: 09:55 AM

Date animal collected: 6/01/2023 Time animal collected: 09:50 AM

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

Air temp. – 21.0°C; sal. – 2.0 ppt; wind – NE; sky – clear; wave – slight; 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: 20.4 °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 6 Day 1 Year 2023
DATE EXAMINED:
Month 6 Day 1 Year 2023

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 Pennsville State NJ
Descriptive location (be specific) In the Delaware River, near the New Jersey shoreline, 0.4 mi due west of Pennsville, and 1.07 mi southeast of New Castle, DE.

Latitude 39.645050° (Dec. Degrees) Longitude -75.549450° (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>56.7 cm</u>
Total length	<u>65.9 cm</u>
Length <input checked="" type="checkbox"/> actual <input type="checkbox"/> estimate	
Mouth width (inside lips, see reverse side)	<u>4.0 cm</u>
Interorbital width (see reverse side)	<u>6.0 cm</u>
Weight <input checked="" type="checkbox"/> actual <input type="checkbox"/> estimate	<u>1.4 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:

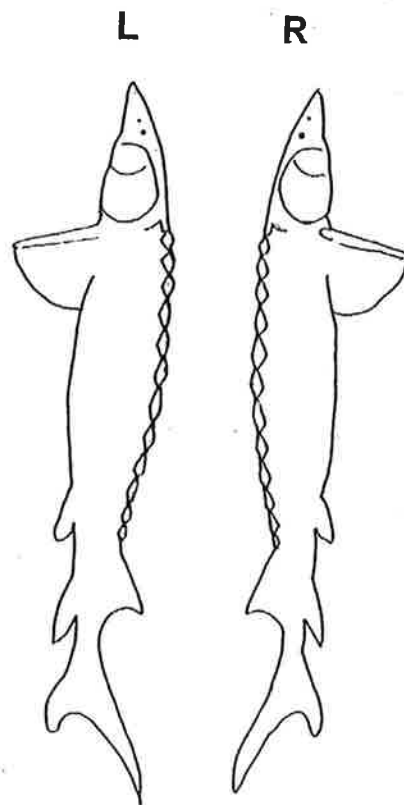
Photos/video taken? Yes No
Disposition of Photos/Video PSEG Nuclear Environmental Affairs

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 06/01/23. Positive identification was made by Environmental Consulting Services personnel upon observation at 09:55AM, 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 #933000320501375. 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 10:14AM.

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. The specimen was alive and healthy at the time of collection, and 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



A left dorsolateral view, showing the size and condition of a live, Atlantic sturgeon (*Acipenser oxyrinchus*) collected on 06/01/2023, and observed at 09:55AM during Baywide Bottom Trawl sampling. Baywide trawl cell: #986; LAT 39.645050°; LON -75.549450° [0.4 mi west of Pennsville, NJ and 1.07 mi southeast of New Castle, DE]. Collection was made on board the ECSI research vessel, Sea Regalis (06/01/2023).



A ventral view of the head, showing the characteristic small mouth and elongated rostrum. Specimen was in good condition at the time of collection, and was released back to the river after processing (06/01/2023).