

From: Heun Jr, Ronald B. <Ronald.HeunJr@pseg.com>
Sent: Tuesday, July 9, 2024 2:27 PM
To: EndangeredSpecies.Resource; nmfs.gar.incidental-take@noaa.gov
Cc: Heather.Corbett@dep.nj.gov; Shana.Fehring@dep.nj.gov;
Brian.Neilan@dep.nj.gov
Subject: [External_Sender] PSEG Bottom Trawl Sampling - Incidental Take Report - Shortnose Sturgeon 7/9/2024
Attachments: Sturgeon Incidental Take Report for 07-09-2024 BBT.pdf

Attached is the Incidental Take Report and Data Collection Form for a live Shortnose sturgeon collected at 11:30 on 7/9/2024 during the required routine Baywide Bottom Trawl sampling. The specimen was in good condition, and was processed and released back to the river. 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.

Thank you and please let me know if you have any questions.

Ron

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Subject: [External_Sender] PSEG Bottom Trawl Sampling - Incidental Take Report - Shortnose Sturgeon 792024
Sent Date: 7/9/2024 2:26:34 PM
Received Date: 7/9/2024 2:27:04 PM
From: Heun Jr, Ronald B.

Created By: Ronald.HeunJr@pseg.com

Recipients:

"Heather.Corbett@dep.nj.gov" <Heather.Corbett@dep.nj.gov>

Tracking Status: None

"Shana.Fehring@dep.nj.gov" <Shana.Fehring@dep.nj.gov>

Tracking Status: None

"Brian.Neilan@dep.nj.gov" <Brian.Neilan@dep.nj.gov>

Tracking Status: None

"EndangeredSpecies.Resource@nrc.gov" <EndangeredSpecies.Resource@nrc.gov>

Tracking Status: None

"nmfs.gar.incidental-take@noaa.gov" <nmfs.gar.incidental-take@noaa.gov>

Tracking Status: None

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Files	Size	Date & Time
MESSAGE	1392	7/9/2024 2:27:04 PM
Sturgeon Incidental Take Report for 07-09-2024 BBT.pdf		368365

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 : Shortnose sturgeon (Acipenser brevirostrum)

Site of Collection: Baywide Bottom Trawl sampling; Cell #788. LAT 39.743200° / LON -75.479833°

Date animal observed: 7/09/2024 Time animal observed: 11:30 AM

Date animal collected: 7/09/2024 Time animal collected: 11:27 AM

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

Air temp. – 31.0°C; sal. – 0.4 ppt; wind – SW; sky – clear; wave – calm; tide – Ebb slack

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: 28.3 °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 7 Day 9 Year 2024
DATE EXAMINED:
Month 7 Day 9 Year 2024

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 New Castle State DE
Descriptive location (be specific) In the Delaware River, near the New Jersey shoreline, 1.1 mi east of Edgemoor, DE and 0.60 mi northwest of Penns Grove, NJ.

Latitude 39.743200° (Dec. Degrees) Longitude -75.479833° (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>71.7 cm</u>
Total length	<u>82.8 cm</u>
Length <input checked="" type="checkbox"/> actual <input type="checkbox"/> estimate	
Mouth width (inside lips, see reverse side)	<u>5.7 cm</u>
Interorbital width (see reverse side)	<u>6.9 cm</u>
Weight <input checked="" type="checkbox"/> actual <input type="checkbox"/> estimate	<u>2.3 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:

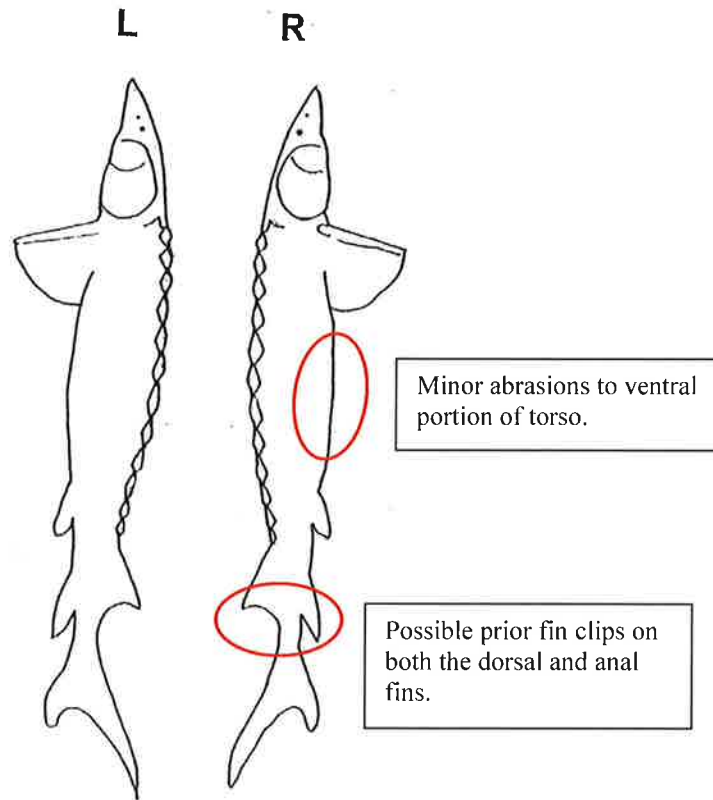
Photos/video taken? Yes No
Disposition of Photos/Video PSEG Nuclear Environmental Affairs

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, shortnose sturgeon was collected during routine PSEG Baywide Bottom Trawl sampling on 07/09/24. Positive identification was made by Environmental Consulting Services personnel upon observation at 11:30AM, 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 #933000320501371. 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 River at approximately 11:45AM.

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 in generally healthy condition at the time of collection. Some very minor surface abrasions were observed to the ventral portion of the torso, and both the dorsal and anal fins exhibited small missing pieces, indicating possible prior fin clips. Specimen was tagged and 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 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 right dorsolateral view, showing the size and condition of a live, shortnose sturgeon (*Acipenser brevirostrum*), collected on 07/09/2024 during Baywide Bottom Trawl sampling; Baywide trawl cell: #788; LAT 39.743200°; LON -75.479833° [1.1 mi east of Edgemoor DE and 0.60 mi northwest of Penns Grove, NJ]. Collection was made on board the ECSI research vessel, *Sea Regalis* (07/09/2024).



A dorsal view of the specimen. Except for some very minor surface abrasions on the ventral portion of the torso, the specimen was in good condition at the time of collection, and was released back to the river after processing (07/09/2024).

Photographs



View showing the very minor surface abrasions to the ventral portion of the torso, located between the pectoral and pelvic fins (07/09/2024).



Ventral view of the upper torso and head, showing the characteristic short rostrum and large mouth (07/09/2024).