

NRR-DRMAPEm Resource

From: Cary, Richard H. <Richard.Cary@pseg.com>
Sent: Tuesday, August 6, 2019 11:56 AM
To: incidental.take@noaa.gov
Cc: jeanette.bowers@dep.nj.gov; EndangeredSpecies Resource
Subject: [External_Sender] PSEG Bottom Trawl Sampling- Incidental Take Report - Atlantic Sturgeon 08/05/2019
Attachments: Sturgeon Incidental Take Report for 08-05-2019.pdf

Attached are the Incidental Take Report and Data Collection Form for a live Atlantic sturgeon collected on 08/05/2019 during routine bottom trawl sampling in the Delaware Estuary. 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. The sturgeon was quickly tagged and released.

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 08/05/2019
Sent Date: 8/6/2019 11:56:26 AM
Received Date: 8/6/2019 11:56:39 AM
From: Cary, Richard H.

Created By: Richard.Cary@pseg.com

Recipients:

"jeanette.bowers@dep.nj.gov" <jeanette.bowers@dep.nj.gov>

Tracking Status: None

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

Tracking Status: None

"incidental.take@noaa.gov" <incidental.take@noaa.gov>

Tracking Status: None

Post Office: pseg.com

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MESSAGE	1268	8/6/2019 11:56:39 AM
Sturgeon Incidental Take Report for 08-05-2019.pdf		367665

Options

Priority: Standard

Return Notification: No

Reply Requested: No

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: 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 #775. LAT 39.604972° / LON -75.568540 °

Date animal observed: 08/05/2019 Time animal observed: 09:40am

Date animal collected: 08/05/2019 Time animal collected: 09:33am

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

Air temp. – 27.5°C; sal. – 2.2 ppt; wind – NE; sky – clear; wave – slight; tide – Ebb 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: 28.8 °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 08 Day 05 Year 2019

DATE EXAMINED:

Month 08 Day 05 Year 2019

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 **Delaware City** State **DE**
Descriptive location (be specific) **In the Delaware River, 0.36 mi west of Finns Point NJ.; 0.75 miles northeast of Peapatch Island, DE; and 3.4 miles south of New Castle, DE.**

Latitude **39.604972°** (Dec. Degrees) Longitude **-75.568540°** (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 **43.6 cm**
Total length **50.5 cm**
Length ☒ actual ☐ estimate
Mouth width (inside lips, see reverse side) **2.6 cm**
Interorbital width (see reverse side) **6.4 cm**
Weight ☐ actual ☐ estimate **NR**

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

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

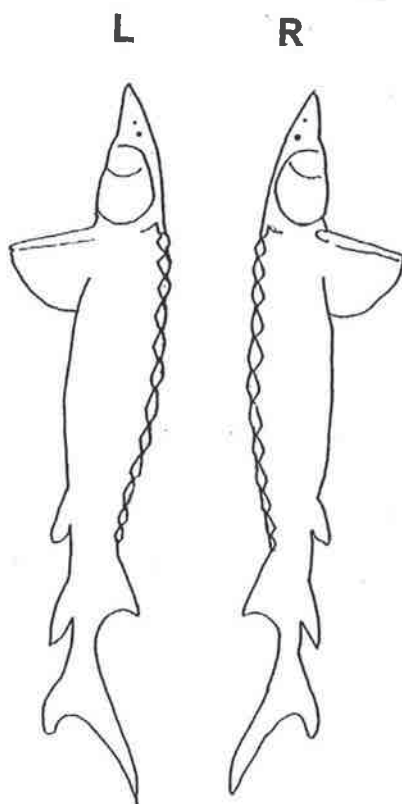
Disposition of Photos/Video **PSEG Nuclear Environmental Affairs and Estuary Enhancement Program**

SAMPLES COLLECTED? ☒ Yes ☐ No

Sample	How preserved	Disposition (person, affiliation, use)
Pelvic fin clip	stored in non-denatured ethanol and then refrigerated.	storage at the Office of ECSI; will be held for aggregated shipment to designated laboratory.

Comments: A LIVE Atlantic sturgeon was collected during routine PSEG Baywide Bottom Trawl sampling on 08/05/19, at 09:33 am. Positive identification was made by Environmental Consulting Services shortly after. The specimen was measured, photographed, and inspected for tags, but none were found. Since no tags were found, PIT tagging procedures were implemented. Specimen has been identified with tag #96500000361186. A pelvic fin clip was also collected for future DNA analysis. Upon completion of processing, the specimen was immediately released back to the Delaware River at 09:50am. The fin clip sample has been stored in refrigeration at the ECSI office, and will be held for aggregated shipment to designated laboratory. PSEG Estuary Enhancement personnel were contacted in regards to the incidental take.

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. The specimen was returned to the Delaware River immediately after processing, at 09:50am.**

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

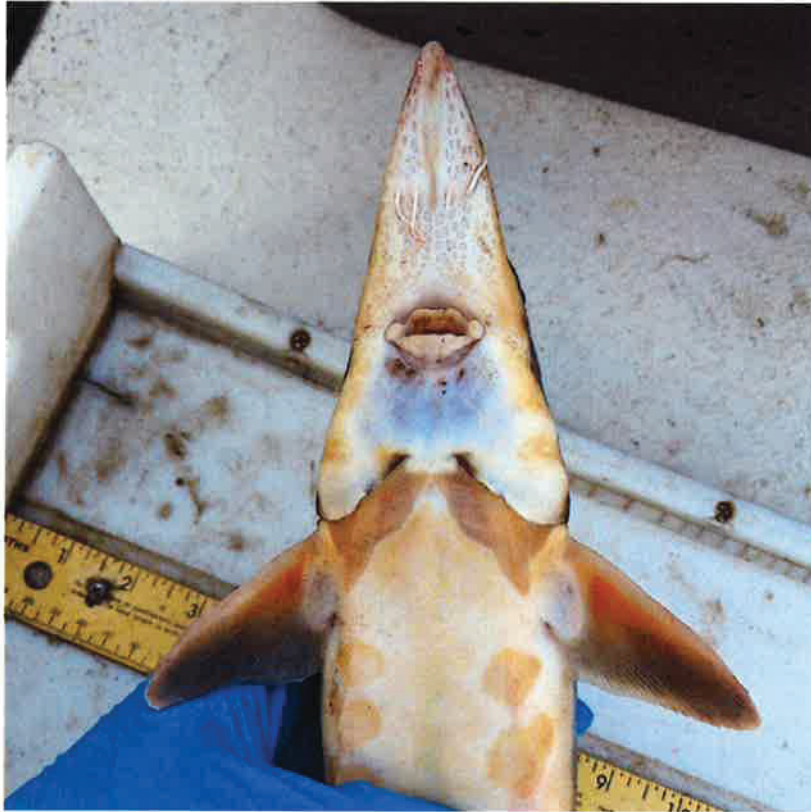


Photo showing the size and condition of the live, Atlantic sturgeon (*Acipenser oxyrinchus*) collected on 08/05/19, at 09:33am during baywide bottom trawl sampling. Baywide trawl cell: #775; LAT 39.604972 °; LON -75.568540 ° (0.36 mi west of Finns Point NJ; 0.75 miles east of Pea Patch Island, DE; and 3.4 miles south of New Castle, DE). Collection was made on board the ECSI research vessel, the Sea Regalis (08/05/2019).



Ventral view, showing the overall good condition of the specimen (08/05/2019).

Photographs



Another ventral view of the specimen, showing a close up of the characteristic small mouth and elongated rostrum (08/05/2019).



Inspection of the specimen indicated that scutes were present above the anal fin, a characteristic trait of the species (08/05/2019).