NRR-DMPSPEm Resource

From: Strait, Kenneth A. <Kenneth.Strait@pseg.com>
Sent: Wednesday, January 30, 2019 10:00 AM
To: Grange, Briana; EndangeredSpecies Resource
Subject: [External_Sender] RE: SALEM GENERATING STATION-INCIDENTAL TAKE OF STURGEON
Attachments: Sturgeon Incidental Take Report 01-07-2019.pdf; Atlantic Sturgeon Incidental Take Report 1-18-2019.pdf; Shortnose sturgeon Incidental Take Report 1-18-2019.pdf

Briana:
I am sorry and apologize for our mistake. My co-worker Richard submitted those reports to an incorrect email address. Attached are another copy of the reports.

Ken

From: EndangeredSpecies Resource [mailto:EndangeredSpecies.Resource@nrc.gov]
Sent: Wednesday, January 30, 2019 9:35 AM
To: Strait, Kenneth A.
Subject: [EXTERNAL] RE: SALEM GENERATING STATION-INCIDENTAL TAKE OF ATLANTIC STURGEON

Email sent from outside of PSEG. Use caution before using links/attachments.
Ken,

I haven't received the incidental take reports for the 1/7 deceased Atlantic sturgeon, 1/18 live Atlantic sturgeon, or 1/18 live shortnose sturgeon. Can you please send those along to endangeredspecies@nrc.gov and my direct email briana.grange@nrc.gov. Thanks!

Briana

Briana A. Grange
Biologist

Division of Materials and License Renewal
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission

(301) 415-1042
briana.grange@nrc.gov

From: Strait, Kenneth A. [mailto:Kenneth.Strait@pseg.com]
Sent: Wednesday, January 02, 2019 5:07 PM
To: incidental.take@noaa.gov
Cc: jeanette.bowers@dep.nj.gov; EndangeredSpecies Resource <EndangeredSpecies.Resource@nrc.gov>
Subject: [External_Sender] SALEM GENERATING STATION-INCIDENTAL TAKE OF ATLANTIC STURGEON

Attached are the Incidental Take Report and Data Collection Form for an Atlantic sturgeon recovered on New Year's Day from the Salem Generating Station cooling water intake trash racks. The frozen specimen is being held pending further direction by NOAA/NMFS. This incidental take is 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
Manager-Biological Programs Phone: 856.339.3929
PSEG Nuclear Environmental Affairs Fax: 856.339.3905
P.O. Box 236, N33
Hancocks Bridge, NJ 08302 kenneth.strait@pseg.com
www.pseg.com/environment/estuary

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Hearing Identifier: NRR_DMPS
Email Number: 780

Mail Envelope Properties (bc37ff161e62441d83df9529a9d90d12)

Subject: [External_Sender] RE: SALEM GENERATING STATION-INCIDENTAL TAKE OF STURGEON
Sent Date: 1/30/2019 10:00:23 AM
Received Date: 1/30/2019 10:00:54 AM
From: Strait, Kenneth A.

Created By: Kenneth.Strait@pseg.com

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

Post Office: pseg.com

Files	**Size**	**Date & Time**
MESSAGE	3588	1/30/2019 10:00:54 AM
Sturgeon Incidental Take Report 01-07-2019.pdf	500041	
Atlantic Sturgeon Incidental Take Report 1-18-2019.pdf	513700	
Shortnose sturgeon Incidental Take Report 1-18-2019.pdf	2600934	

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: Kenneth Kiess (Environmental Consulting Services, Inc. (ECSI)
Reporter's full name: Kenneth Kiess

Species Identification : Atlantic Sturgeon (Acipenser oxyrinchus)

Site of Collection: PSEG Salem Generating Station, SGS Unit 2: CWI 23A

Date animal observed: 01/07/2019 Time animal observed: 09:05 pm
Date animal collected: 01/07/2019 Time animal collected: 08:50 am

Environmental conditions at time of observation (i.e., tidal stage, weather):
Air temp. – (-1.0) °C; Sal. – 3.0 ppt; wind – N; sky – Partly cloudy; wave – calm; tide – F2(92.0 ft)

If removed from intakes (trash racks or traveling screens):
Date and time of last inspection of screen: 01/06/19 at 10:15pm
Water temperature (°C) at site and time of observation: 7.0 °C
Number of pumps operating at time of observation: Unit 1: 6 circulators / Unit 2: 5 circulators
Average percent of power generating capacity achieved per unit at time of observation: Unit 1: 100.1% /Unit 2: 99.6%
Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: Unit 1: 100.0% /Unit 2: 99.3%

STURGEON DATA COLLECTION FORM

For use in documenting sturgeon 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 01 Day 07 Year 2019
DATE EXAMINED:
Month 01 Day 07 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 **Lower Alloways Creek** State **NJ**
Descriptive location (be specific) **Removed from Circulating Water Intake Structure (CWIS) intake trash racks, intake bay 23A, 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/milt present when pressed
- ☐ Borescope

MEASUREMENTS: Circle unit

Fork length	**61.6 cm**
Total length	**72.0 cm**
Length ☒ actual ☐ estimate	
Mouth width (inside lips, see reverse side)	**2.2 cm**
Interorbital width (see reverse side)	**4.3 cm**
Weight ☒ actual ☐ estimate	**1.7 kg**

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
No Tags found		

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)

Carcass Necropsied?
☐ Yes ☒ No
Date Necropsied:
Necropsy Lead:

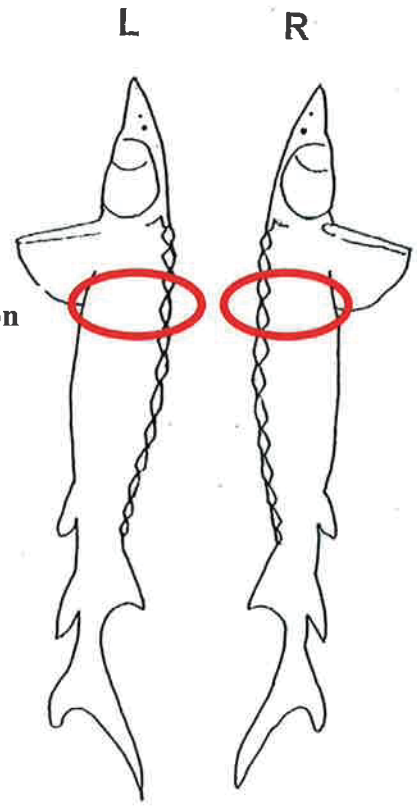
PHOTODOCUMENTATION:
Photos/vide taken? ☒ Yes ☐ No
Disposition of Photos/Video **PSEG Nuclear Environmental Affairs**

SAMPLES COLLECTED? ☐ Yes ☒ No

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

Comments: A deceased, and severly damaged Atlantic sturgeon was collected from the Salem Circulating Water Intake Structure during routine trash rack cleaning on 01/07/19, at 08:50am. After positive identification was made by Environmental Consulting Services personnel, the specimen was measured, photograhed, and inspected for tags. No evidence of external tags was found, and no existing PIT tags were indicated. A pelvic fin clip was collected for future DNA analysis. Upon completion of processing, the specimen was placed on ice and prepared for transport back to the ECSI main office, where it will be stored under refridgeration, awaiting direction on further disposition. The fin clip sample has been stored in refrigeration and will be held for aggregated shipment to a designated laboratory. The offices of NMFS and the NJDEP were contacted by PSEG Nuclear Environmental Affairs personnel, at approximately 10:35am and 10:37am respectively.

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



Location of severe laceration

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 deceased at the time of collection and was found to be in poor condition due to a severe laceration located posterior to the pectoral fins, which has resulted in nearly severing the carcass in two (refer to illustration above). No internal or external tags were indicated during processing. After processing, the specimen was returned to the ECSI office and placed in refrigeration, awaiting direction on further disposition.**

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 dorsolateral view showing the size and condition of the deceased, Atlantic Sturgeon (Acipenser oxyrinchus), retrieved at 08:50am on 01/07/19 from 23A circulator intake by Salem Yard Crew personnel during routine trash rack cleaning at Salem Nuclear Generating Station (01/07/2019).

Another dorsolateral view, showing close up of damage observed to the specimen, in the form of a severe laceration located posterior to the pectoral fins. The laceration has nearly severed the specimen in two. No internal or external tags were indicated during processing (01/07/2019).

Photographs

A ventral view of the specimen, showing condition at the time of processing. The carcass was returned to the ECSI office and is being stored under refrigeration, waiting further instruction on disposition (01/07/2019).

Dorsal view of the specimen showing exposed internal organs and tissue exposed on the right side, in the location of the laceration (01/07/2019).

Photographs

A ventral view of the specimen, showing the characteristic small mouth and elongated rostrum. A pelvic fin clip sample was collected, which will be held for aggregated shipment to a USFWS designated laboratory for future DNA analysis (01/07/2019).

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 : Atlantic Sturgeon (Acipenser oxyrinchus)

Site of Collection: PSEG Salem Generating Station, SGS Unit 1: CWI 12B

Date animal observed: 01/18/2019 Time animal observed: 09:55 am
Date animal collected: 01/18/2019 Time animal collected: 09:59 am

Environmental conditions at time of observation (i.e., tidal stage, weather):
Air temp. –2.5 °C; Sal. – 7.0 ppt; wind – N; sky – overcast; wave – calm; tide – Ebb 1(93.0 ft)

If removed from intakes (trash racks or traveling screens):
Date and time of last inspection of screen: 01/17/19 at 08:07pm
Water temperature (°C) at site and time of observation: 3.0 °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: 99.7% /Unit 2: 99.3%
Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: Unit 1: 100.0% /Unit 2: 99.3%

STURGEON DATA COLLECTION FORM

For use in documenting sturgeon 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 01 Day 18 Year 2019
DATE EXAMINED:
Month 01 Day 18 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 **Lower Alloways Creek** State **NJ**
Descriptive location (be specific) **Removed from Circulating Water Intake Structure (CWIS) intake trash racks, intake bay 12B, 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/milt present when pressed
- ☐ Borescope

MEASUREMENTS: Circle unit

Fork length	**UNM**
Total length	**UNM**
Length ☒ actual ☐ estimate	
Mouth width (inside lips, see reverse side)	**2.5 cm**
Interorbital width (see reverse side)	**5.7 cm**
Weight ☒ actual ☐ estimate	**2.3 kg**

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
No Tags found		

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)

Carcass Necropsied?
☐ Yes ☒ No

Date Necropsied: _____

Necropsy Lead: _____

PHOTODOCUMENTATION:
Photos/vide taken? ☒ Yes ☐ No

Disposition of Photos/Video **PSEG Nuclear Environmental Affairs**

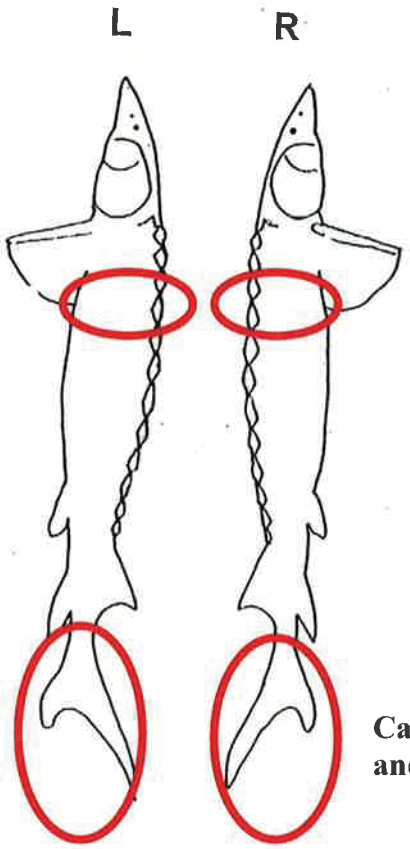
SAMPLES COLLECTED? ☐ Yes ☒ No

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

Comments: A deceased, and severly damaged Atlantic sturgeon was collected from the Salem Circulating Water Intake Structure during routine trash rack cleaning on 01/18/19, at 09:59am. After positive identification was made by Environmental Consulting Services personnel, the specimen was measured, photograhed, and inspected for tags. No evidence of external tags was found, and no existing PIT tags were indicated. Upon completion of processing, the specimen was placed on ice and prepared for transport back to the ECSI main office, where it will be stored under refridgeration, awaiting direction on further disposition. The fin clip sample has been stored in refrigeration and will be held for aggregated shipment to a designated laboratory for future DNA testing. The offices of NMFS and the NJDEP were contacted by PSEG Nuclear Environmental Affairs personnel, at approximately 12:33pm and 12:35pm respectively.

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

Location of severe lacerations



Caudal fin severed from body and missing

Describe any wounds / abnormalities (note tar or oil, gear or debris entanglement, propeller damage, etc.). **Please note if no wounds / abnormalities are found. At the time of collection, specimen was found to be in extremely poor condition due to severe lacerations located on both sides of its body, posterior to the pectoral fins, and the entire caudal fin was severed and missing, immediately posterior to the dorsal and anal fin (refer to illustration above). Specimen showed minimal signs of life at the time of initial observation by ECSI personnel, and did not survive. No internal or external tags were indicated during processing. After processing, the specimen was returned to the ECSI office and placed in refrigeration, awaiting direction on further disposition.**

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 dorsolateral view showing the size and condition of the deceased, and severely damaged Atlantic Sturgeon (Acipenser oxyrinchus), retrieved at 09:59am on 01/18/19 from 12B circulator intake by Salem Yard Crew personnel during routine trash rack cleaning at Salem Nuclear Generating Station (01/18/2019).

A dorsal view, showing close up of damage observed to the specimen, in the form of two severe lacerations located posterior to the pectoral fin on the left side. An additional large laceration was observed on the specimen's right side. Some observed blood loss indicated the injuries were likely recent. No internal or external tags were indicated during processing (01/18/2019).

Photographs

A dorsolateral view of the right side of the specimen, showing a close-up of the large laceration observed posterior to the pectoral fin (01/18/2019).

A ventral view of the specimen, showing that in addition to the lacerations, the caudal fin has been severed from the body and was missing at the time of collection. The carcass was returned to the ECSI office and is being stored under refrigeration, waiting further instruction on disposition (01/18/2019).

Photographs

A dorsal view of the specimen, showing a close -up of the missing caudal fin, which has been severed just posterior to the dorsal and anal fins (01/18/2019).

Another ventral view showing the characteristic small mouth and elongated rostrum. A pelvic fin clip sample was collected, which will be held for aggregated shipment to a USFWS designated laboratory for future DNA analysis (01/18/2019).

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 1; CWI 13A

Date animal observed: 01/18/2019 Time animal observed: 10:35am
Date animal collected: 01/18/2019 Time animal collected: 10:35am

Environmental conditions at time of observation (i.e., tidal stage, weather):
Air temp. – 2.5˚C; sal. - 7.0 ppt; wind – N; sky – overcast; wave – calm; tide – Ebb 1 (92.0ft)

If removed from intakes (trash racks or traveling screens):
Date and time of last inspection of screen: 01/17/2019 @ 08:07pm
Water temperature (°C) at site and time of observation: 3.0 °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 – 99.7%/ Unit 2 - 99.3%
Average percent of power generating capacity achieved per unit over the 48 hours previous to observation: Unit 1 – 100%/ Unit 2 - 99.3%

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 Kenneth.Kiess@pseg.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 01 Day 18 Year 2019
DATE EXAMINED:
Month 01 Day 18 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 **Hancocks Bridge** State **NJ**
Descriptive location (be specific) **Removed from Circulating Water Intake Structure (CWIS) intake trash racks, intake bay 13A, 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/milt present when pressed
☐ Borescope

MEASUREMENTS: **Circle unit**

Fork length	**62.0 cm**
Total length	**71.0 cm**
Length ☒ actual ☐ estimate	
Mouth width (inside lips, see reverse side)	**3.2 cm**
Interorbital width (see reverse side)	**4.8 cm**
Weight ☒ actual ☐ estimate	**1.5 kg**

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
NO TAGS FOUND		

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 fair condition at the time of collection. It was released back to the River after processing.

Carcass Necropsied?
☐Yes ☒No
Date Necropsied:_____
Necropsy Lead:
_____

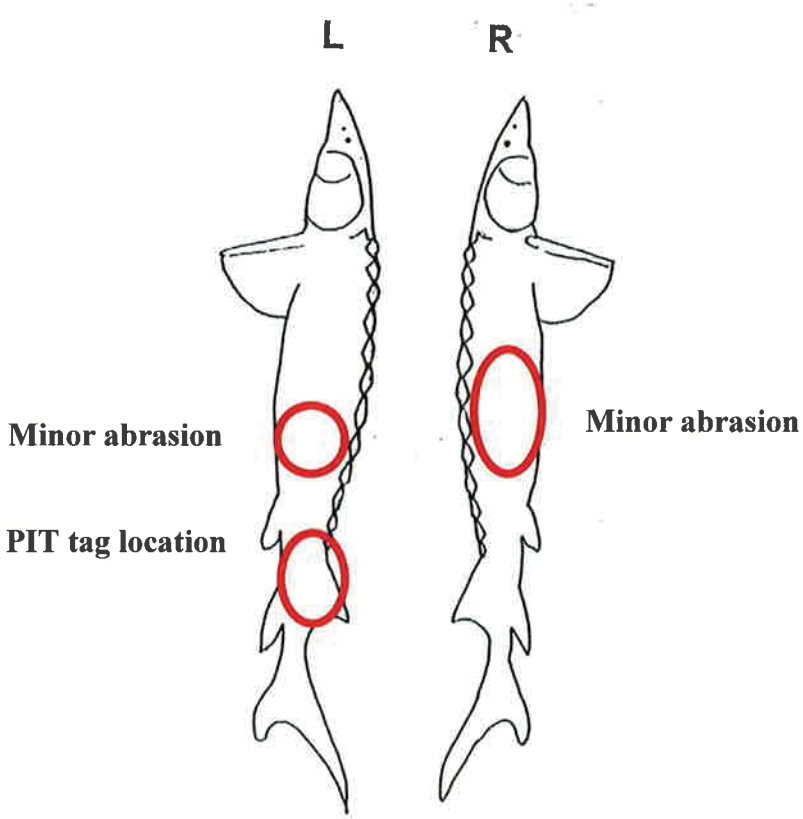
PHOTODOCUMENTATION:
Photos/vide taken? ☒ Yes ☐ No
Disposition of Photos/Video PSEG Nuclear Environmental Affairs personnel

SAMPLES COLLECTED? ☒ Yes ☐ No

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

Comments: A live, but slightly damaged shortnose sturgeon was collected from the Salem Circulating Water Intake Structure during routine trash rack cleaning on 01/18/19, at 10:35am. Positive identification was made by Environmental Consulting Services personnel at 11:30am. The specimen was measured, photograhed, 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 #965000000360714. 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 12:23pm. The fin clip sample has been stored in refrigeration and will be held for aggregated shipment to a designated laboratory for future DNA testing. PSEG Nuclear Environmental Affairs personnel, after being contacted in regards to the incidental take, contacted the NJDEP and the NMFS at 12:33pm and 12:35pm 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 fair condition at the time of collection. Some very minor abrasions and missing scutes were observed on both its right and left side. No cuts or lacerations were observed. Specimen was not moving actively, so after a period of holding in ambient river water to help reduce the effects of stress, the specimen was returned to the Delaware River. 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 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 the live, but slightly damaged shortnose Sturgeon (Acipenser brevirostrum), retrieved at 10:35am on 01/18/19 from 13A circulator intake by Salem Yard Crew personnel during routine trash rack cleaning at Salem Nuclear Generating Station (01/18/2019).

A dorsolateral view of the specimen. Except for some minor skin abrasions and missing scutes, no other damage was observed. Specimen was not moving actively, so after a period of holding in ambient river water to help reduce the effects of stress, the specimen was returned to the Delaware River at 12:23pm (01/18/2019).

Photographs

In this image, a left, dorsolateral view reveals evidence of some very minor skin abrasions located along the denticles, anterior to the pelvic fin (01/18/2019).

A dorsolateral view of the right side of the specimen, showing additional evidence of minor skin abrasions along the denticles. No tags were indicated during processing, so PIT tagging procedures were implemented. Specimen has been identified with tag #965000000360714. A pelvic fin clip sample was also collected, which will be held for aggregated shipment to a USFWS designated laboratory for future DNA analysis (01/18/2019).

Photographs

Another ventral view showing the characteristic large mouth and shortened rostrum (01/18/2019).