

## TA\_FHWA\_03115\_RPT\_ENV

Deployment 15 Summary - Rev 1

Period: June 11, 2015 through August 4, 2015

### **Regulatory Requirements**

Condition 40A of the NYSDEC Permit ID 3-9903-00043/00012 requires that the Project install stationary receivers capable of detecting sonic tags in the vicinity of any Authorized Activities. Data downloads shall occur every 60 days at minimum. "Following each data download, a report shall be submitted with data files, and a summary of fish present and/or moving through the construction zone." Data files will be transmitted to the NYSDEC by the Thruway Authority when this summary report is submitted.

The Endangered Species Act Section 7 Consultation Biological Opinion dated September 23, 2014, Term and Condition #11 to implement Reasonable and Prudent Measure #6, requires that "Information collected from any stationary receivers must be downloaded at least every 60 days, unless there are weather or safety concerns in which case downloads must be made as soon as practicable after the relief of the weather or safety concern. Preliminary reports containing information on the number of tagged sturgeon detected must be provided to NMFS on a regular basis, but no less frequently than every 60 days. If reports cannot be provided on that frequency, FHWA must provide an explanation to NMFS within the 60 day period and provide the report as soon as possible."

The following is the summary of detections from June 11, 2015 through August 4, 2015. Figure 1 indicates the status of station downloads during this period.

Following the June 2015 downloads, the receiver array was reconfigured to monitor acoustic-tagged sturgeon during the August through October 2015 dredge window, as detailed in the Sturgeon Acoustic Telemetry Plan, Revision 5. This report summarizes sturgeon-detection data during the first 60-day monitoring period since the receiver array was reconfigured.



# TA\_FHWA\_03115\_RPT\_ENV

**Deployment 15 Summary - Rev 1** 

June 11, 2015 through August 4, 2015 Period:

# **Equipment and Location**

Station	Deployment Location		Deployment Date and Time		Equipment Information			
	Latitude	Longitude	Date	Time	Vemco Receiver	Sync Tag <sup>b</sup>	Temp Tag	Lotek Receiver
St04	41.0657560	-73.8695004	11-Jun-15	10:07:18 AM	122889	65015		
St05	41.0703174	-73.8757073	17-Jun-15	2:22:32 PM	123569	26740		
St09	41.0696470	-73.8707050	16-Jun-15	2:06:06 PM	123571	26742		
St11	41.0668302	-73.8734589	11-Jun-15	9:47:37 AM	122373	65008		
St12 <sup>a</sup>	41.0762378	-73.8842370	10-Jun-15	10:20:01 AM	124816	26131		
St14	Station contains sync tag and temperature tag only			1	65019	13339		
St15	41.0733282	-73.8824119	16-Jun-15	12:38:25 PM	122883	65018		
St16	41.0734650	-73.8788357	19-Jun-15	1:24:25 PM	122731	65037		
St17	41.0688237	-73.8874649	17-Jun-15	11:22:21 AM	122881	65021		
St18	41.0689002	-73.8834775	16-Jun-15	12:12:13 PM	122880	65022		
St19 <sup>a</sup>	41.0689451	-73.8783477	16-Jun-15	1:15:37 PM	122735	65023		
St21 <sup>a</sup>	41.0659692	-73.8852089	10-Jun-15	12:39:52 PM	122877	65004		
St22 <sup>a</sup>	41.0649532	-73.8771555	10-Jun-15	11:18:20 AM	122878	65007		
St30	41.0698644	-73.8758404	17-Jun-15	2:11:27 PM	123573	26741		
St31	41.0691673	-73.8709300	17-Jun-15	9:12:30 AM	123567	26740		
St33	41.0750810	-73.8737552	11-Jun-15	11:26:46 AM	122888	65010		
St34	41.0733790	-73.8691380	11-Jun-15	10:39:23 AM	122718	65025		

<sup>&</sup>lt;sup>a</sup>Stations 12, 19, 21, and 22 were not recovered. <sup>b</sup>The prefix for sync tag codes is "A69-1601-" and the prefix for temperature tags is "A69-9002-"



## TA\_FHWA\_03115\_RT\_ENV

**Deployment 15 Summary - Rev 1** 

Period: June 11, 2015 through August 4, 2015

#### **Numbers of Fish Detected by Species**

Species	Number Detected		
Atlantic sturgeon	119		
Shortnose sturgeon	14		
Unconfirmed	81		
Total	214		

False detections (i.e., detections of transmitter codes for tag IDs not currently in use) are inherent in all telemetry systems. The False Detection Analysis (FDA) tool available in Vemco's Vue software was used to filter false detections from the dataset prior to summarizing detection data for this deployment period. The FDA tool uses a methodology that involves filtering data based on intervals between successive detections, the programmed average transmission rate of the tags, and anticipated maximum residency.

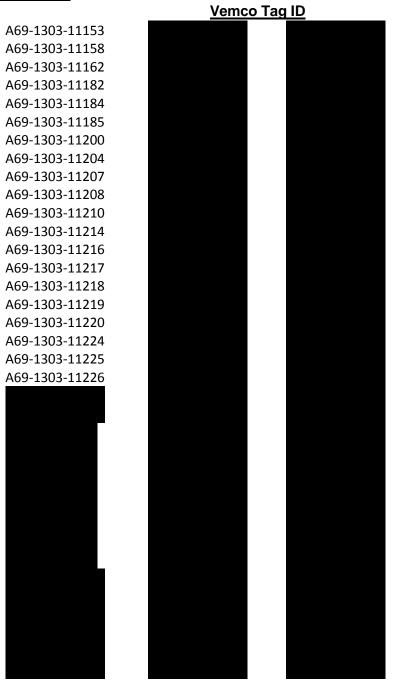


# TA\_FHWA\_03115\_RPT\_ENV

# **Deployment 15 Summary - Rev 1**

Period: June 11, 2015 through August 4, 2015

## **Atlantic sturgeon**





# TA\_FHWA\_03115\_RPT\_ENV

# **Deployment 15 Summary - Rev 1**

Period: June 11, 2015 through August 4, 2015

# Shortnose sturgeon

Vemco Tag ID
A69-1303-11166
A69-1303-11170
A69-1303-11188
A69-1303-11190
A69-1303-11191
A69-1303-11192
A69-1303-11193
A69-1303-11194
A69-1303-11196
A69-1303-11197
A69-1303-11202
A69-1303-11205
A69-1303-11206
A69-1303-11228

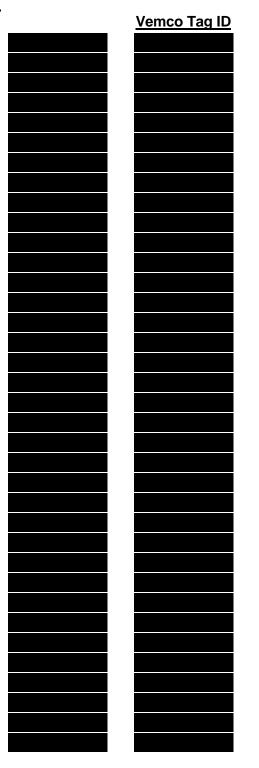


# TA\_FHWA\_03115\_RPT\_ENV

**Deployment 15 Summary - Rev 1** 

Period: June 11, 2015 through August 4, 2015

# **Species unconfirmed**



# THE NEW NY BRIDGE

# New NY Bridge Sturgeon Acoustic Telemetry 60-day Summary

# TA\_FHWA\_03115\_RPT\_ENV

# **Deployment 15 Summary - Rev 1**

Period: June 11, 2015 through August 4, 2015

