

TA_FHWA_03111_RPT_ENV

Deployment 15 Summary 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.



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Equipment and Location

	Deployment Location		Deployment Date and Time		Equipment Information			
Station	Latitude	Longitude	Date	Time	Vemco Receiver	Sync Tag ^b	Temp Tag	Lotek Receiver
St04	41.0657560	-73.8695004	11-Jun-15	11:15:30 AM	122889	65015		
St05	41.0703174	-73.8757073	17-Jun-15	1:45:34 PM	123569	26739		
St09	41.0696470	-73.8707050	16-Jun-15	1:31:10 PM	123571	26742		
St11	41.0668302	-73.8734589	11-Jun-15	10:05:40 AM	122373	65008		
St12 ^a	41.0762378	-73.8842370	10-Jun-15	10:13:42 AM	124816	26131		
St14	Station contains sync tag and temperature tag only					65019	13339	
St15	41.0733282	-73.8824119	16-Jun-15	12:37:23 PM	122883	65018		
St16	41.0734650	-73.8788357	11-Jun-15	9:51:47 AM	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 ^ª	41.0689451	-73.8783477	16-Jun-15	1:15:37 PM	122735	65023		
St21 ^a	41.0659692	-73.8852089	10-Jun-15	12:39:52 PM	122877	65004		
St22 ^a	41.0649532	-73.8771555	10-Jun-15	11:18:20 AM	122878	65007		
St30	41.0698644	-73.8758404	10-Jun-15	2:57:30 PM	123573	26740		
St31	41.0691673	-73.8709300	10-Jun-15	2:19:45 PM	123567	26741		
St33	41.0750810	-73.8737552	11-Jun-15	12:34:30 PM	122888	65010		
St34	41.0733790	-73.8691380	11-Jun-15	10:22:07 AM	122718	65025		

^aStations 12, 19, 21, and 22 were not recovered. ^bThe prefix for sync tag codes is "A69-1601-" and the prefix for temperature tags is "A69-9002-"



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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_03111_RPT_ENV

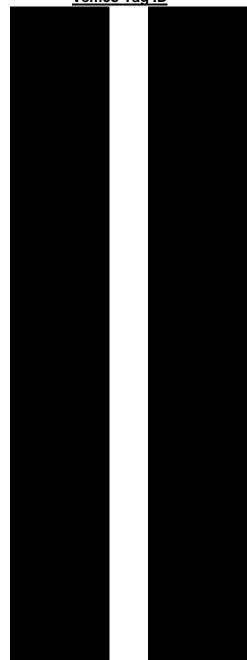
Deployment 15 Summary

Period: June 11, 2015 through August 4, 2015

Atlantic sturgeon

A69-1303-11153
A69-1303-11158
A69-1303-11162
A69-1303-11182
A69-1303-11184
A69-1303-11185
A69-1303-11200
A69-1303-11204
A69-1303-11207
A69-1303-11208
A69-1303-11210
A69-1303-11214
A69-1303-11216
A69-1303-11217
A69-1303-11218
A69-1303-11219
A69-1303-11220
A69-1303-11224
A69-1303-11225
A69-1303-11226

<u>Vemco Tag ID</u>







TA_FHWA_03111_RPT_ENV

Deployment 15 Summary

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Shortnose sturgeon

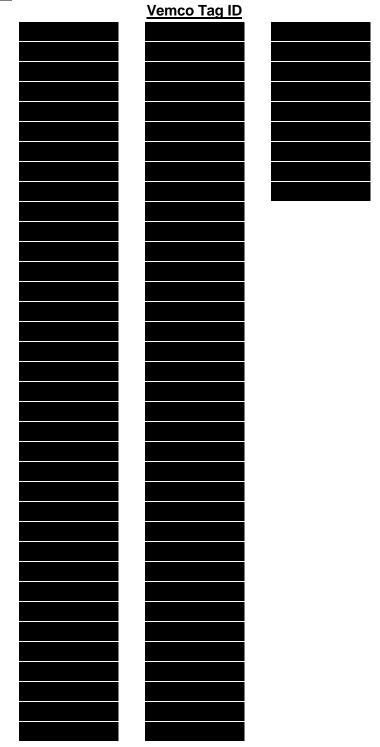
Vemco Tag IDA69-1303-11166A69-1303-11170A69-1303-11188A69-1303-11190A69-1303-11192A69-1303-11193A69-1303-11194A69-1303-11196A69-1303-11197A69-1303-11202A69-1303-11205A69-1303-11206A69-1303-11206A69-1303-11208



TA_FHWA_03111_RPT_ENV

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Species unconfirmed





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