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.”

NYSDEC was notified on February 5, 2015 that the 60-day receiver download scheduled for the week of February 9, 2015 was not going to occur due to heavy ice cover over the construction site. On March 13, 2015, FHWA and NYSDEC were notified that the conditions at the construction site were improving, that receiver downloads were scheduled to occur on the week of March 30, 2015 and that reporting would be submitted by May 1, 2015.

The following is the summary of detections from February 2, 2015 through March 31, 2015. Figure 1 indicates the status of station downloads during this period.
### Equipment and Location

<table>
<thead>
<tr>
<th>Station</th>
<th>Deployment Location</th>
<th>Deployment Date and Time</th>
<th>Equipment Information</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Latitude</td>
<td>Longitude</td>
<td>Date</td>
</tr>
<tr>
<td>St01</td>
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<tr>
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<td>St04</td>
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<td>St05</td>
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</tr>
<tr>
<td>St06</td>
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<td></td>
</tr>
<tr>
<td>St07</td>
<td>Decommissioned</td>
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<td></td>
</tr>
<tr>
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<td>St09</td>
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<td>15-Dec-14</td>
</tr>
</tbody>
</table>

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*a* Station 2 was not recovered, has not been detected by adjacent stations, and is now presumed lost.

*b* Stations 7, 10, and 32 were determined to be unnecessary for sturgeon positioning based on stationary range testing using sync-tag detections and were decommissioned as discussed with DEC.

*c* Stations 8, 13, 20, and 23 were not recovered.

*d* Stations were deployed to improve coverage in the vicinity of Stations 02, 05, and 06.

*e* The prefix for sync tag codes is “A69-1601-” and the prefix for temperature tags is “A69-9002-”.

*f* The temperature tag at Station 20 was lost on October 20, 2013 and has not been replaced.
Deployment 13 Summary
Period: February 2, 2015 through March 31, 2015

### Numbers of Fish Detected by Species

<table>
<thead>
<tr>
<th>Species</th>
<th>Number Detected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atlantic sturgeon</td>
<td>0</td>
</tr>
<tr>
<td>Shortnose sturgeon</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>0</td>
</tr>
</tbody>
</table>

Fish tagged with Lotek dual-mode tags that were detected on both Vemco and Lotek receivers are counted once.

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_03086_RPT_ENV
Deployment 13 Summary
Period: February 2, 2015 through March 31, 2015

Atlantic sturgeon

Vemco Tag ID
None detected
New NY Bridge
Sturgeon Acoustic Telemetry
60-day Summary

TA_FHWA_03086_RPT_ENV
Deployment 13 Summary
Period: February 2, 2015 through March 31, 2015

Shortnose sturgeon

Vemco Tag ID
None detected
New NY Bridge
Sturgeon Acoustic Telemetry
60-day Summary

TA_FHWA_03086_RPT_ENV
Deployment 13 Summary
Period: February 2, 2015 through March 31, 2015

Update on Near-Field Receiver Download
April 2015

DL_status
- Green: Downloaded Tuesday March 31, 2015
- Blue: Downloaded Wednesday April 1, 2015
- Yellow: Downloaded Thursday April 2, 2015
- Red: Downloaded Friday April 3, 2015
- Light Green: Downloaded Monday April 6, 2015
- Black: Unable to be retrieved
- Yellow: Monitoring Area