Deployment 8 Summary
Period: May 1, 2014 through June 30, 2014

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."

The Endangered Species Act Section 7 Consultation Biological Opinion dated April 10, 2013, Term and Condition #10 to implement Reasonable and Prudent Measure #4, requires that "Information collected from any stationary receivers must be downloaded at least every 60 days. 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 May 1, 2014 through June 30, 2014.
## Deployment 8 Summary

**Period:** May 1, 2014 through June 30, 2014

### Equipment and Location

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<sup>a</sup>Station was relocated to a bridge mooring following discussion with DEC to minimize the risk of future loss of these stations due to movement and mooring of construction vessels.

<sup>b</sup>Stations were not retrieved during the July data download.

<sup>c</sup>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.

<sup>d</sup>The prefix for sync tag codes is “A69-1601-“ and the prefix for temperature tags is “A69-9002-“.

<sup>e</sup>The temperature tag at Station 20 was lost on October 20, 2013 and has not yet been replaced.
Deployment 8 Summary
Period: May 1, 2014 through June 30, 2014

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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.
## Deployment 8 Summary

Period: May 1, 2014 through June 30, 2014

### Atlantic sturgeon

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Deployment 8 Summary
Period: May 1, 2014 through June 30, 2014

**Shortnose sturgeon**

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Deployment 8 Summary
Period: May 1, 2014 through June 30, 2014

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