

**New NY Bridge  
Far-Field Sturgeon Acoustic Telemetry  
90-day Summary**



**Far-Field Summary**

Period: April 18, 2014 through July 22, 2014

**Regulatory Requirements**

Condition F.i. in the Net Conservation Benefit section of the NYSDEC Permit ID 3-9903-00043/00012 requires that the Project install stationary gateway receivers to “identify sonic tagged fish as they enter the lower Hudson River, but prior to their arrival in the bridge construction zone” and “at intervals within a 50 kilometer (km) stretch encompassing the bridge construction site.” The Permit specifies that one centrally located receiver is to be placed from the George Washington Bridge to Piermont and three equally spaced receivers from Piermont to Stony Point.

The Endangered and Threatened Species Mitigation Plan developed by the Thruway Authority and approved by the NYSDEC states that “data downloads will occur every 90 days at minimum” and that “following each data download, a report shall be submitted with data files, and a summary of fish present and/or moving through the study area.”

The following is the summary of fish detected as present in the study area from April 18, 2014 through July 22, 2014. The data files for this reporting period have been submitted to the DEC along with this summary report.

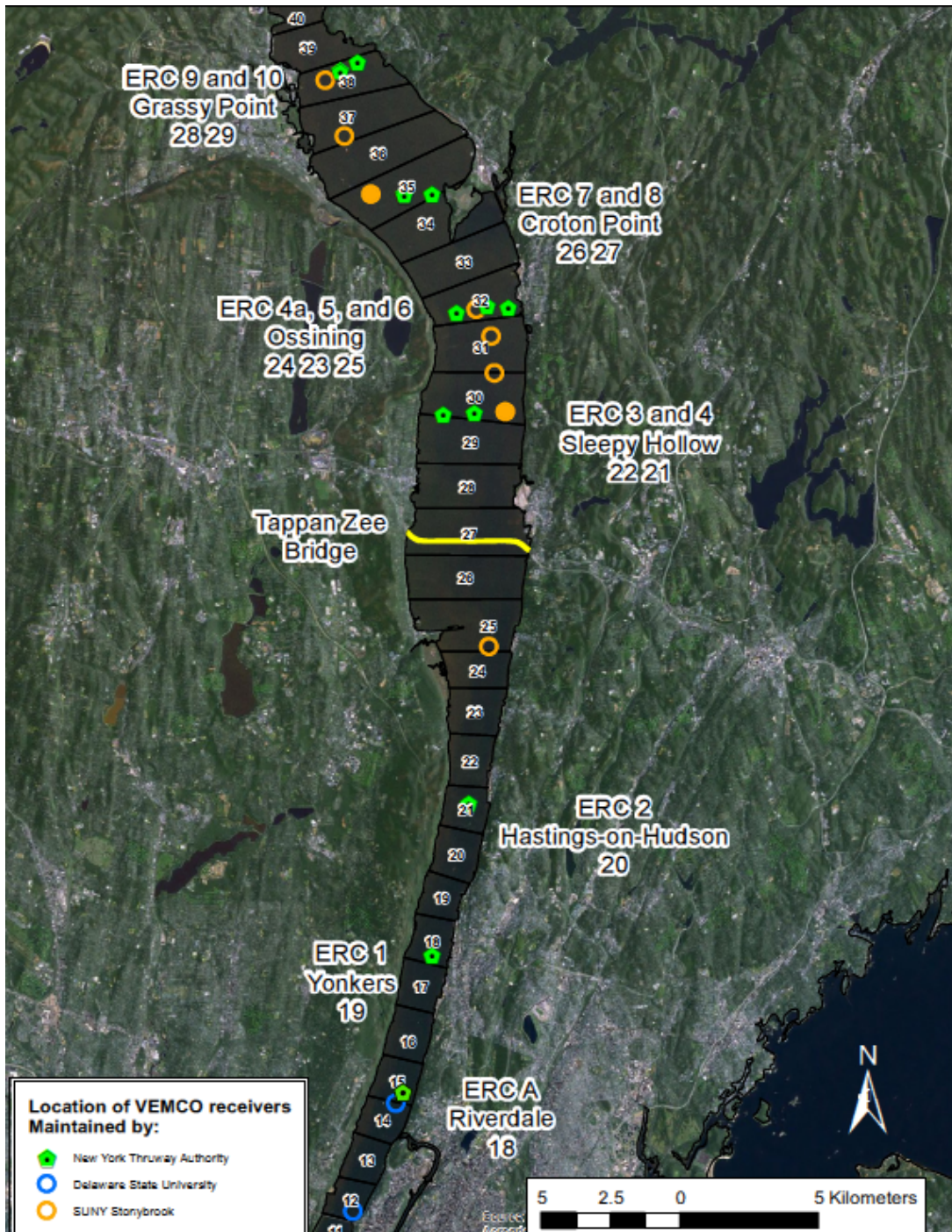
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### Location of stationary gateway receivers



Stations 22 and 29 at Sleepy Hollow and Grassy Point, respectively, were not located during this download and are assumed to have been lost. Both of these stations have been replaced.

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**Numbers of Fish Detected by Species**

Species	Number Detected
Atlantic sturgeon	193
Shortnose sturgeon	53
Striped bass	1
Species unconfirmed	54
Total	301

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.

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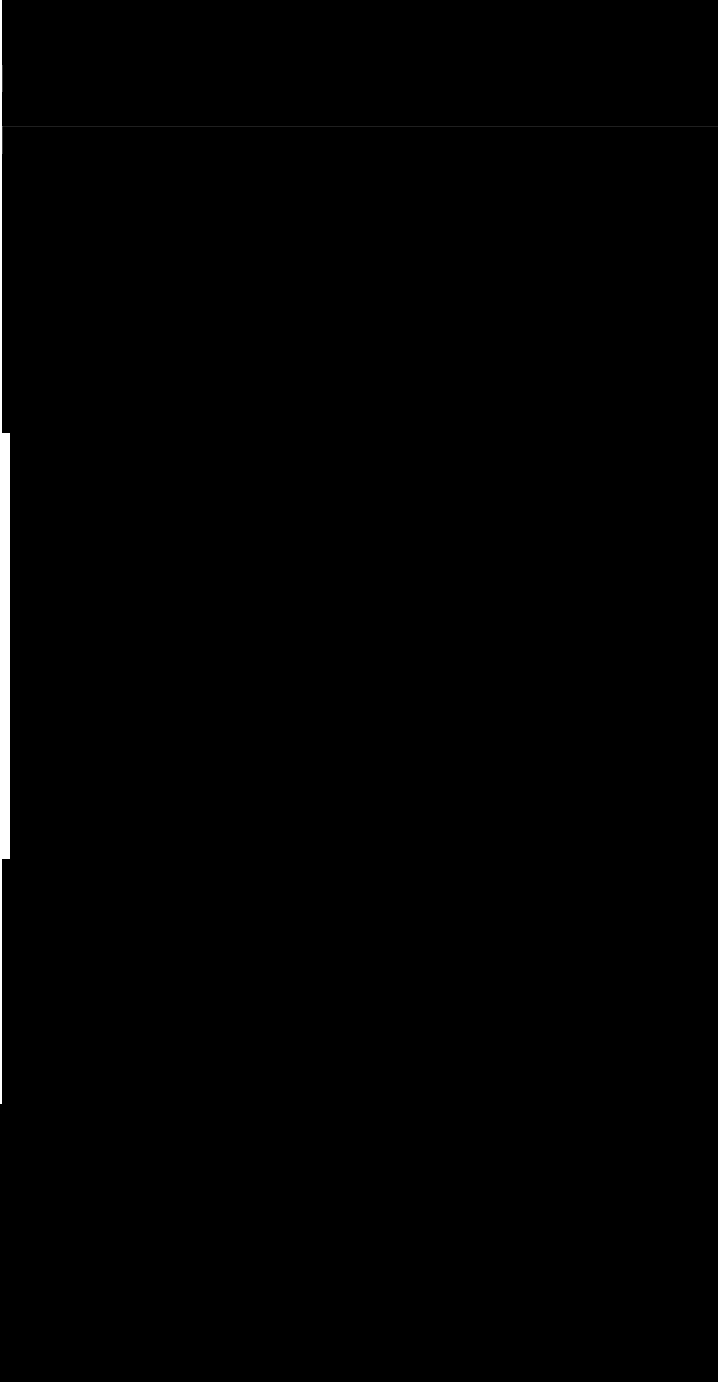
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**Atlantic sturgeon**

**Vemco Tag ID**

A69-1303-11123  
A69-1303-11124  
A69-1303-11125  
A69-1303-11126  
A69-1303-11127  
A69-1303-11128  
A69-1303-11129  
A69-1303-11130  
A69-1303-11131  
A69-1303-11132  
A69-1303-11133  
A69-1303-11135  
A69-1303-11136  
A69-1303-11153  
A69-1303-11154  
A69-1303-11155  
A69-1303-11156  
A69-1303-11157  
A69-1303-11158  
A69-1303-11160  
A69-1303-11161  
A69-1303-11162  
A69-1303-11185  
A69-1303-11187  
A69-1303-11199  
A69-1303-11204  
A69-1303-11207  
A69-1303-11208  
A69-1303-11213  
A69-1303-11218  
A69-1303-11219  
A69-1303-11220  
A69-1303-11222  
A69-1303-11224  
A69-1303-11226  
A69-1303-11229



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**Shortnose sturgeon**

**Vemco Tag ID**

A69-1303-10464	A69-1303-11150
A69-1303-10469	A69-1303-11163
A69-1303-10773	A69-1303-11164
A69-1303-10774	A69-1303-11166
A69-1303-10778	A69-1303-11167
A69-1303-10779	A69-1303-11168
A69-1303-10780	A69-1303-11169
A69-1303-10782	A69-1303-11170
A69-1303-10787	A69-1303-11171
A69-1303-10788	A69-1303-11186
A69-1303-10793	A69-1303-11188
A69-1303-10794	A69-1303-11189
A69-1303-10795	A69-1303-11190
A69-1303-10801	A69-1303-11191
A69-1303-10802	A69-1303-11192
A69-1303-10805	A69-1303-11193
A69-1303-10807	A69-1303-11194
A69-1303-10810	A69-1303-11195
A69-1303-10811	A69-1303-11196
A69-1303-10812	A69-1303-11197
A69-1303-10814	A69-1303-11198
A69-1303-10815	A69-1303-11202
A69-1303-10817	A69-1303-11205
A69-1303-11137	A69-1303-11206
A69-1303-11138	A69-1303-11227
A69-1303-11139	A69-1303-11228
A69-1303-11140	

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**Striped bass**

**Vemco Tag ID**



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**Unconfirmed tag IDs**

**Vemco Tag ID**

<u>Unconfirmed tag IDs</u>	<u>Vemco Tag ID</u>
[REDACTED]	[REDACTED]