

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



Far-Field Summary

Period: July 23, 2014 through October 9, 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 July 23, 2014 through October 9, 2014. The data files for this reporting period have been submitted to the DEC along with this summary report.

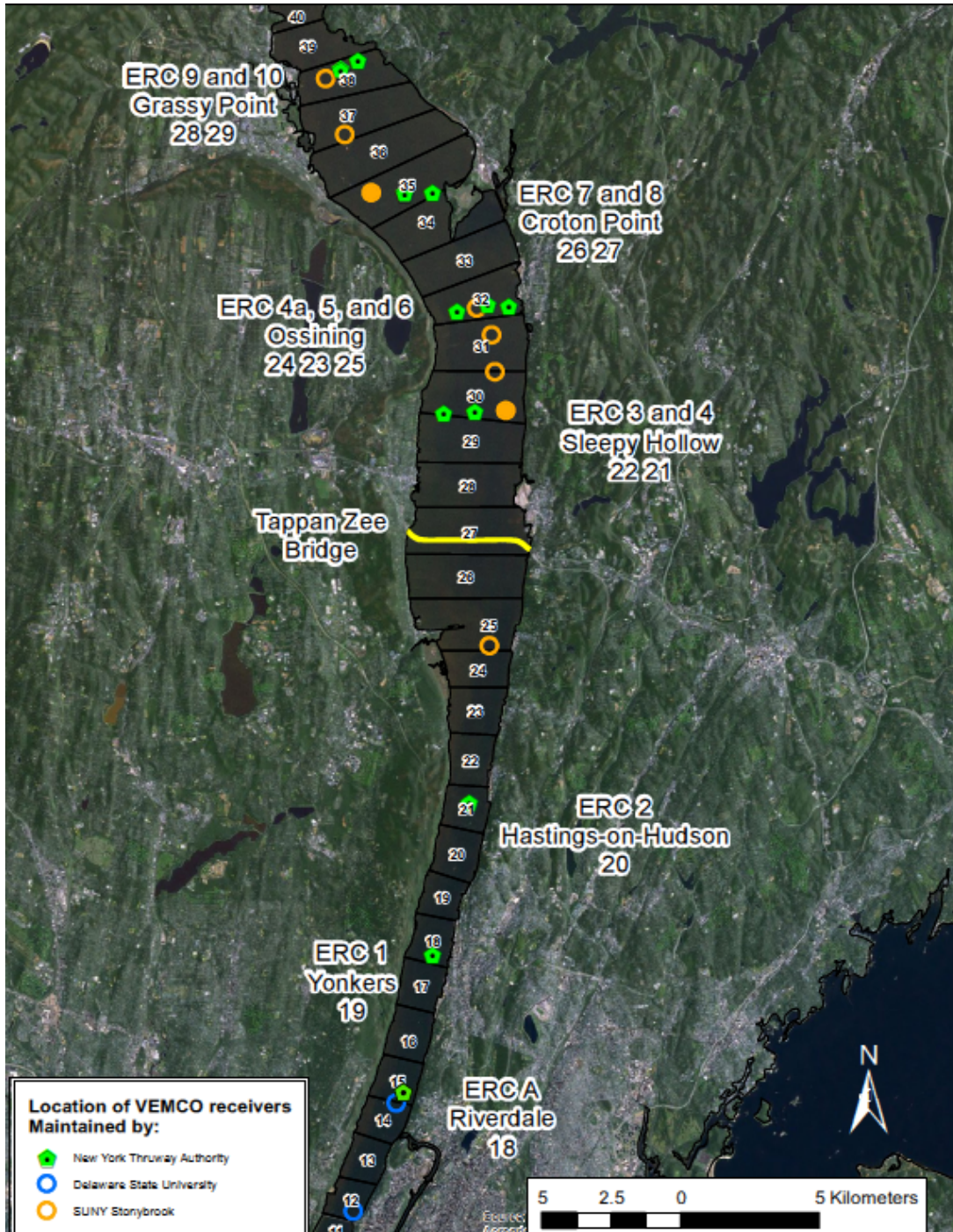
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Location of stationary gateway receivers



Stations ERC 3 (Sleepy Hollow) and ERC 10 (Grassy Point) 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 | 168 |
| Shortnose sturgeon | 33 |
| Species unconfirmed | 16 |
| Total | 217 |

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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Atlantic sturgeon

Vemco Tag ID

| | | | | |
|----------------|----------------|----------------|--|----------------|
| A69-1303-11135 | A69-1303-11226 | | | |
| A69-1303-11136 | A69-1303-11230 | | | |
| A69-1303-11153 | A69-1303-11231 | | | |
| A69-1303-11154 | A69-1303-48147 | | | |
| A69-1303-11155 | A69-1601-29700 | | | |
| A69-1303-11157 | A69-1601-29704 | | | |
| A69-1303-11158 | | A69-9001-29166 | | |
| A69-1303-11159 | | A69-9001-29172 | | |
| A69-1303-11161 | | | | |
| A69-1303-11162 | | | | |
| A69-1303-11165 | | | | |
| A69-1303-11182 | | | | |
| A69-1303-11184 | | | | |
| A69-1303-11185 | | | | |
| A69-1303-11187 | | | | |
| A69-1303-11200 | | | | |
| A69-1303-11204 | | | | |
| A69-1303-11207 | | | | |
| A69-1303-11208 | | | | |
| A69-1303-11209 | | | | |
| A69-1303-11210 | A69-9001-26394 | | | |
| A69-1303-11211 | A69-9001-26395 | | | |
| A69-1303-11212 | A69-9001-26411 | | | |
| A69-1303-11213 | A69-9001-26911 | | | |
| A69-1303-11214 | A69-9001-27837 | | | |
| A69-1303-11216 | | | | |
| A69-1303-11217 | | | | |
| A69-1303-11219 | | | | A69-9001-31356 |
| A69-1303-11220 | | | | |
| A69-1303-11221 | | | | |
| A69-1303-11222 | | | | |
| A69-1303-11223 | | | | A69-9002-15514 |
| A69-1303-11224 | | | | |
| A69-1303-11225 | | | | |

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Shortnose sturgeon

Vemco Tag ID

A69-1303-10773
A69-1303-10774
A69-1303-10780
A69-1303-10782
A69-1303-10784
A69-1303-10787
A69-1303-10794
A69-1303-10814
A69-1303-10815
A69-1303-10817
A69-1303-11137
A69-1303-11139
A69-1303-11163
A69-1303-11164
A69-1303-11166
A69-1303-11168
A69-1303-11170
A69-1303-11171
A69-1303-11188
A69-1303-11189
A69-1303-11190
A69-1303-11191
A69-1303-11192
A69-1303-11193
A69-1303-11194
A69-1303-11195
A69-1303-11196
A69-1303-11197
A69-1303-11198
A69-1303-11199
A69-1303-11202
A69-1303-11205
A69-1303-11228

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Unconfirmed tag IDs

Vemco Tag ID

A69-1303-20442
A69-1303-20457
A69-1303-48776
A69-1303-48786
A69-1601-32498
A69-9001-25353
A69-9001-25359
A69-9001-25365
A69-9001-25371
A69-9001-25380
A69-9001-25386
A69-9001-28223
A69-9001-28228
A69-9001-29032
A69-9001-30452
A69-9001-30464