

**Dredging and Pile Driving Monitoring Plan**  
**Quarterly Monitoring Pile Driving Report**  
**10/19/2013 – 1/20/2014**  
*for the*  
**New NY Bridge Project**

**Revision 0**  
**February 18, 2014**

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## 1.0 Introduction

This report summarizes the methods and results of sturgeon monitoring during permanent pile driving of six-foot diameter piles for the period of October 19, 2013 through January 20, 2014. Sturgeon monitoring was conducted per the Dredging and Pile Driving Monitoring Plan, Revision 2 (Plan) for the New NY Bridge Project (the Project). This plan was developed to comply with applicable requirements of the New York State Department of Environmental Conservation (NYSDEC) Permit DEC ID 3-9903-00043/00012 issued on March 25, 2013 (NYSDEC Permit) and the April 2013 Endangered Species Act Section 7 Consultation Biological Opinion (BO) issued by the National Marine Fisheries Service (NMFS).

## 2.0 Monitoring Methods

Tappan Zee Constructors, LLC (TZC) conducted impact pile driving monitoring for [REDACTED] from the pile driving barge and a small vessel per the Plan. A barge-based monitor was on site for all piles driven during the reporting period. A vessel-based monitor was on site for all piles driven during the reporting period except when conditions (e.g., ice, high winds) precluded small vessel operation and observations on:

- November 8, 2013 (P31-08) Small-craft advisory due to high winds; and
- January 18, 2014 (P32-15) Ice conditions.

## 3.0 Results

A total of [REDACTED] piles were impact driven from October 19, 2013 through January 20, 2014. Eighteen (18) piles were installed at Pier 31 and 18 piles were installed at Pier 32. Monitoring activities and results are summarized in Appendix A.

During the reporting period zero (0) sturgeon were observed during impact pile driving.

A stunned white perch (*Morone Americana*) was observed south of the existing bridge by the vessel-based monitor during an ebb current on November 7, 2013. The fish was approximately 8-10 inches long.

A dead striped bass (*Monrone saxatilis*) was observed south of the existing bridge by the vessel-based monitor during an ebb current on November 30, 2013. The fish was approximately 8-10 inches long.

A dead, decayed catfish (not identified to species) was observed by the barge-based monitor on January 20, 2014. The fish was approximately 18-24 inches long.

**APPENDIX A**

**Summary of Pile Driving Sturgeon Monitoring Activities**  
**Quarterly Report**

**Appendix A: Summary of Impact Pile Driving Sturgeon Monitoring Activities**  
**Quarterly Report**  
**New NY Bridge Project**



Report Date: 2/18/2014  
 Reporting Period: 10/19/2013 - 1/20/2014  
 Number of Sturgeon Observed: 0

Created by: Christopher Coccaro, 2/10/2014  
 Checked by: Donald Henshaw 2/14/14

Date	Barge-Based Monitoring Time	Vessel-Based Monitoring Time	Number of Fish Observed	Species	Sturgeon Specimen Log Number	Condition (Stunned / Dead)	Time Observed	Location Observed (Lat/Long or Barge Name)
10/19/2013	12:04 - 16:25	12:02 - 16:51	0	NA	NA	NA	NA	NA
			0	NA	NA	NA	NA	NA
11/7/2013	14:27 - 17:47	14:26 - 16:57 <sup>b</sup>	1	White perch <sup>c</sup>	NA	Stunned	14:56-15:53	South of Bridge
			0	NA	NA	NA	NA	NA
11/8/2013	11:55 - 15:19	11:47 - 13:44	0	NA	NA	NA	NA	NA
		a	0	NA	NA	NA	NA	NA
11/12/2013	10:45 - 17:03	10:45 - 16:42 <sup>b</sup>	0	NA	NA	NA	NA	NA
			0	NA	NA	NA	NA	NA
			0	NA	NA	NA	NA	NA
11/13/2013	12:50 - 16:51	12:50 - 16:41 <sup>b</sup>	0	NA	NA	NA	NA	NA
			0	NA	NA	NA	NA	NA
			0	NA	NA	NA	NA	NA
11/26/2013	13:46 - 17:28	13:45 - 16:18	0	NA	NA	NA	NA	NA
		b	0	NA	NA	NA	NA	NA
11/29/2013	12:30 - 18:54	12:29 - 16:25 <sup>b</sup>	0	NA	NA	NA	NA	NA
			0	NA	NA	NA	NA	NA
			0	NA	NA	NA	NA	NA
11/30/2013	12:14 - 14:39	12:23 - 15:10	1	Striped bass <sup>c</sup>	NA	Dead	12:23-13:02	South of Bridge
			0	NA	NA	NA	NA	NA
			0	NA	NA	NA	NA	NA
12/2/2013	8:48 - 16:21	8:48 - 16:27	0	NA	NA	NA	NA	NA
			0	NA	NA	NA	NA	NA
			0	NA	NA	NA	NA	NA
			0	NA	NA	NA	NA	NA
12/5/2013	17:20 - 18:08	b	0	NA	NA	NA	NA	NA
12/6/2013	10:39 - 11:21	10:39 - 13:00	0	NA	NA	NA	NA	NA
12/7/2013	12:00 - 17:05	12:00 - 16:26 <sup>b</sup>	0	NA	NA	NA	NA	NA
			0	NA	NA	NA	NA	NA
1/18/2014	12:59 - 16:50	13:00 - 15:45	1	Catfish <sup>c</sup>	NA	Dead	14:20	From Thomas W
			0	NA	NA	NA	NA	NA
		d	0	NA	NA	NA	NA	NA
1/20/2014	10:40 - 13:10	10:40 - 13:31	0	NA	NA	NA	NA	NA
			0	NA	NA	NA	NA	NA
			0	NA	NA	NA	NA	NA
			0	NA	NA	NA	NA	NA

Notes: <sup>a</sup> Small craft advisory  
<sup>b</sup> Pile driven after sunset, monitoring suspended due to darkness per the Plan  
<sup>c</sup> Non-sturgeon species are not recovered for data collection.  
<sup>d</sup> Monitoring suspended due to ice conditions in the river.