

Dredging and Pile Driving Monitoring Plan
Sturgeon Monitoring During Pile Driving
60-day Report
01/18/2015 – 03/14/2015
for the
New NY Bridge Project

Revision 0
March 20, 2015

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1.0 Introduction

This report summarizes the methods and results of sturgeon monitoring during permanent pile driving of [REDACTED] piles for the period of January 18, 2015 through March 14, 2015. Sturgeon monitoring was conducted per the Dredging and Pile Driving Monitoring Plan, Revision 2 (the 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 3-9903-00043/00014 issued on March 25, 2013 (NYSDEC Permit) and the September 23, 2014 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 permanent [REDACTED] piles at [REDACTED] from the pile driving barge and a small vessel per the Plan. A barge-based monitor and vessel-based monitor were on site for all piles driven during the reporting period (Appendix A).

On January 20, 2015 impact pile driving occurred at [REDACTED] Eastbound. Per the Plan, one vessel monitored the Hudson River for injured or dead fish from the start of pile driving to one hour after all pile driving was completed for the day. Figure 1 provides the GPS transects completed by the fish monitoring crew on January 20, 2015. Pile driving occurred during ebb and flood current; subsequently, the fish monitoring crew completed several circular and sawtooth patterns south and north of the existing Tappan Zee Bridge.

Due to inclement weather and substantial ice in the river TZC did not perform impact pile driving of piles [REDACTED] from January 22, 2015 through March 14, 2015. Subsequently, no monitoring for sturgeon or non-sturgeon species was required in the construction zone per the NMFS BO, NYSDEC Permit, or the Plan.

3.0 Results

[REDACTED] piles were impact driven from January 18, 2015 through March 14, 2015. [REDACTED] piles were installed to final tip elevation at [REDACTED] Eastbound, seven piles were installed to final tip elevation at [REDACTED] Eastbound, and one pile was partially impact driven at [REDACTED] Westbound¹.

Monitoring activities and results from [REDACTED] piles are summarized in Appendix A.

3.1 Observed Sturgeon

No sturgeon were observed during the reporting period.

3.2 Observed Non-sturgeon Species

No non-sturgeon species were observed during the reporting period.

¹ Pile P19WB-02 was partially driven to with the IHC S-280 to allow adequate boom length for the IHC S-800 impact hammer.

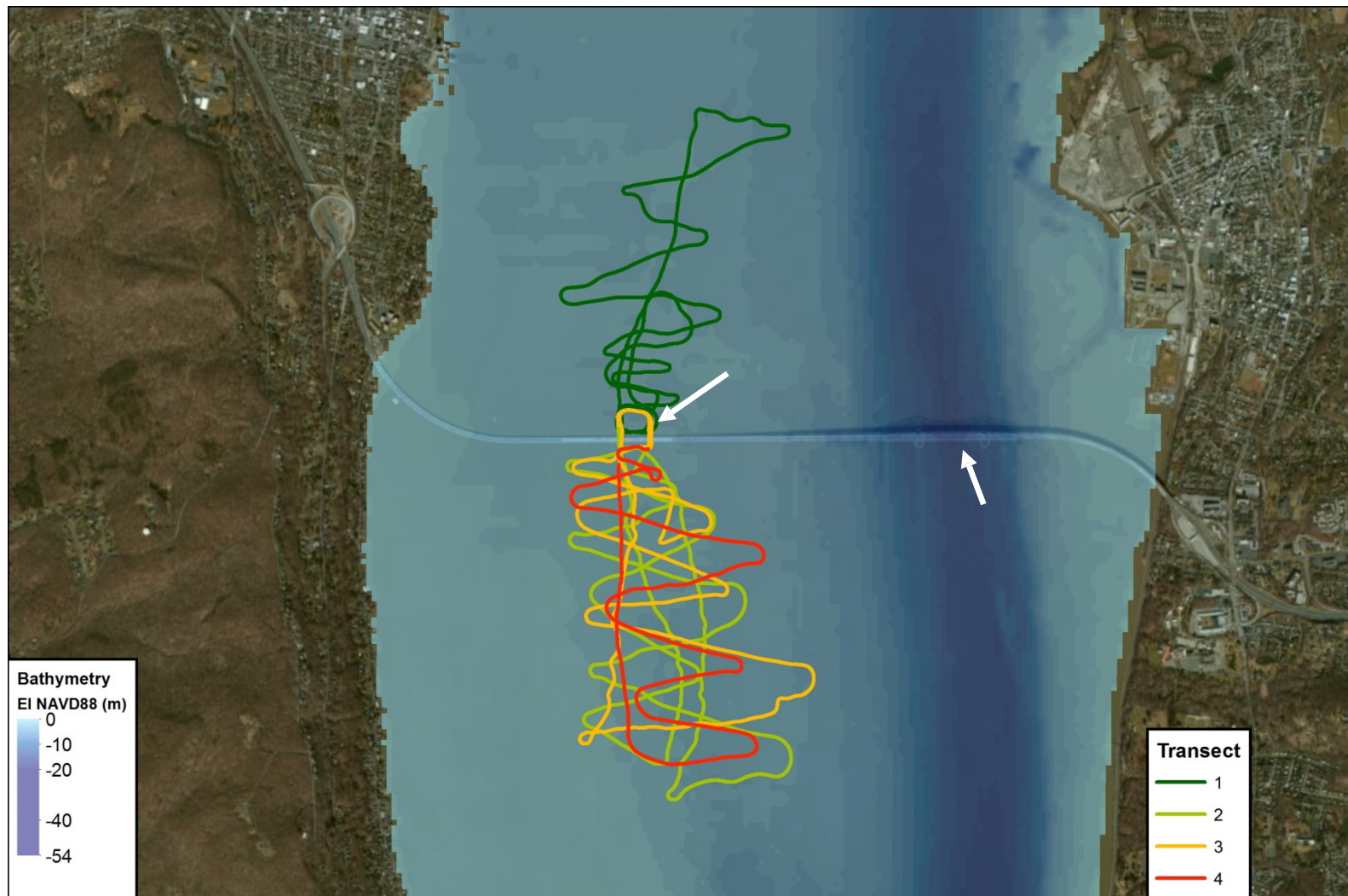


Figure 1.
GPS Transects
January 20, 2015



Document Path: \\pri-srv3\GIS_Projects\459974_Fluor_AmericanBr_Granite_TraylorBros\195455_TZJDEnvironmental_Design\GIS\Map_Docs\Draft\Sturgeon_Monitoring\2015-01-15_ENV_MAP_January_21_Transects.mxd

APPENDIX A

Summary of Pile Driving Sturgeon Monitoring Activities

Appendix A
Summary of Pile Driving Sturgeon Monitoring Activities
New NY Bridge Project
NMFS 60-Day Report
1/18/2015 - 3/14/2015

Report Date: 3/20/2015
Reporting Period: 1/18/2015 - 3/14/2015
Number of Sturgeon Observed: 0

Date		Start - End Times of Impact Pile Driving	Barge-Based Monitoring Time	Vessel-Based Monitoring Time	Number of Fish Observed	Species	Sturgeon Specimen Log Number	Condition of Fish When Observed	Time Observed	Location Observed (Lat/Long or Barge Name)
1/19/2015		9:48 - 12:54	9:50 - 12:28	9:48 - 14:03	0	NA	NA	NA	NA	NA
					0	NA	NA	NA	NA	NA
					0	NA	NA	NA	NA	NA
					0	NA	NA	NA	NA	NA
1/20/2015		9:48 - 15:41	9:45 - 15:40	9:47 - 16:45	0	NA	NA	NA	NA	NA
					0	NA	NA	NA	NA	NA
					0	NA	NA	NA	NA	NA
					0	NA	NA	NA	NA	NA
					0	NA	NA	NA	NA	NA
					0	NA	NA	NA	NA	NA
					0	NA	NA	NA	NA	NA
					0	NA	NA	NA	NA	NA
1/21/2015		9:53 -16:00	9:53 - 16:02	9:53 - 17:03	0	NA	NA	NA	NA	NA
					0	NA	NA	NA	NA	NA
					0	NA	NA	NA	NA	NA
					0	NA	NA	NA	NA	NA
					0	NA	NA	NA	NA	NA
					0	NA	NA	NA	NA	NA
1/22/2015	14:33 - 15:02	14:30 - 15:03	14:33 - 16:04	0	NA	NA	NA	NA	NA	

Notes: Non-sturgeon species are not recovered for data collection.