

Tappan Zee Constructors 555 S. White Plains Rd. Suite 400 Tarrytown, NY 10591 914.789.3200

TRANSMITTAL

Transmittal No.:

TN-TZC-NYSTA-T04452

Transmittal Date:

03/09/15

TO:

NYSTA

New NY Bridge Project Office 303 South Broadway, Suite 413

Tarrytown, NY 10591

Contract:

TANY-12-18B-D214134

Project:

Tappan Zee Hudson River Crossing Project

Authority:

Walter Reichert

Attn:

Peter Sanderson

Issue Status:

For Information Only

Contract Reference:

Part 03

Enclosed please find the following:

Item	Title	Date
CSL-WTRQTY- RPT-2014	Annual Water Quality Monitoring Report: 2014 Monitoring Activities	03/09/15

Remarks:

Transmittal Issued By:	Gang Jiao	Signature:	hus	of C
Transmittal Received By:		Date:		03/10

CC:



Project Name: The New NY Bridge Project Tappan Zee Hudson River Crossing Design-Build Project Project Number: 5001-3-S002

Transmittal Title: Annual Water Quality Monitoring Report: 2014 Monitoring Activities Contents: Env Compliance - Marine			Transmittal Number: Transmittal Date:	T-HDR-TZC-S002-31 March 09, 20	
To: TZC Document Cont From: Chris Coccaro Unit: 01 02 03 03 09 09 10 11	Distribution Instructions / cc:	□ 16	Design Package: Not Ap Transmit as Indicated ☐ To GPI for Certificat ☑ To GPI Environment ☐ To TZC Only - Revisio ☐ To TZC Engineering ☐ To TZC Contracts	below: ion	
Discipline: Bridge Approaches Landscape Architecture Land Survey Utilities Project Management Contract Reference:	☐ Miscellaneous Structures ☐ Civil ☑ Environmental ☐ Facilities ☐ Security	Systems Visual Quality Geotechnical Main Span Landings	☐ To Fize Contracts ☐ To Environmental Co ☐ To Elvis ☐ To NYSTA Submitted: ☐ For Approval ☐ For Your Informatio ☐ For Review and Com Documents Returned ☐ Furnish as Submitte	n nment as:	
Remarks:			☐ Furnish as Noted ☐ Revise and Resubmi ☐ Rejected ☐ Engineer's Reivew N ☐ Reviewed with Com ☐ Other:	lot Required]
Item# Copies Type 1 1 Report	Design Package ID	Document Name	Annual WQ Report-2014	20150306 ndf	

Water Quality Monitoring Plan Annual Monitoring Report 2014 Monitoring Activities for the New NY Bridge Project

> Revision 0 March 6, 2015

Prepared by **Tappan Zee Constructors, LLC**555 White Plains Road, Suite 400

Tarrytown, NY 10591



Document History			
Issue Date	Description	By	Revision
3/6/2015	Submitted to NYSTA	CRC	0

Table of Contents

1.0	Introduction	1
1.1	Permit Modifications	1
1.2	Plan Revisions	4
2.0	Monitored Construction Activities	4
2.1	Cofferdam Construction	4
2.2	Pile Driving (Platforms)	4
2.3	Dredged Channel Armoring	5
2.4	Production Pile Driving in Zone C	5
2.5	Production Pile Driving Outside of Zone C	5
2.6	Concrete Placement	5
2.	.6.1 Tremie Concrete	5
2.	.6.2 Non-Tremie Concrete	5
2.7	Pile Dewatering	5
2.8	Pile Excavation	6
2.9	Pier and Cofferdam Dewatering	6
3.0	Water Quality Monitoring Activities	6
4.0	Results	6
4.1	Dredged Channel Armoring	7
4.2	Pile Driving in Zone C	9

1.0 Introduction

This report summarizes the results of water quality monitoring in 2014 for armoring and production pile driving in Zone C as well as visual observations of pile dewatering, pile excavations, cofferdam construction, production pile driving, and concrete placement in accordance with New York State Department of Environmental Conservation Permit DEC ID 3-9903-00043/00013 (NYSDEC Permit) Condition 65.

1.1 Permit Modifications

The New York State Thruway Authority (NYSTA) and Tappan Zee Constructors, LLC (TZC) received the following modifications to the NYSDEC Permit during 2014:

July 3, 2014 – NYSDEC issued a permit modification which included the following conditions:

- Permit Condition 27A: The overlying water in the barge may be pumped to the water column after 12 hours of settling.
- Permit Condition 45: At least 45 days before any in-water demolition work begins the Permittee must submit a plan to the Department providing details of all in-water demolition-related work including, among other things, a detailed plan for any dredging, cofferdams, or silt curtains. The plan will demonstrate conformity with all special conditions (45-51) in this Bridge Demolition Section. The Department may specify water quality monitoring requirements that differ from those listed in condition 59 through 67 to reflect the details of the demolition plans.
- Permit Condition 59: At least 45 days before starting dredging activities; decanting activities; removal of large debris fields; pile driving in zone C; channel armoring; cofferdam construction; removal of the existing bridge; or any activity that may cause resuspension of bottom sediments, Permittee must submit a water quality monitoring plan to the Department. If activities occur concurrently in multiple locations, each activity that may cause resuspension of bottom sediments must be monitored separately. The plan must be in effect at all times during these activities. The above activities may start when the Department has given written approval of the plan.
- Permit Condition 60: The plan shall include monitoring for total suspended solids (TSS), turbidity (visual monitoring) and the following contaminants: total mercury, dissolved nickel, copper, lead, zinc, PCB and napthlalene and benzo(a)pyrene. The plan must: (i) describe procedures for background sampling and sampling at the edge of a 500-foot mixing zone around the activities identified in condition 59, above; (ii) require whole water samples in the vertical water column (from at least 3 depths in water greater than 20 feet deep, from two depths in waters between 10 and 20 feet deep, and at mid-depth in waters less than 10 feet deep) along a transect within the plume; and (iii) include an upstream transect. When silt curtains are deployed, monitoring should take place at the nearest practicable distance from the silt curtain. Monitoring may be temporarily

- suspended due to weather or other safety concerns. Conditions resulting in suspension of monitoring must be documented in the reports described in conditions 62 and 65.
- Permit Condition 61: The following Water Quality Standards must be achieved immediately outside of the silt curtain, at the edge of the 500-foot mixing zone, or, if necessary to maintain a safe survey distance, at the nearest distance practicable around the activities identified condition 59, above, subject to the monitoring requirements of condition 64 below. When a Detection Limit listed below is greater than the listed Water Quality Standard, the Water Quality Standard will be presumed to be met when analytical results demonstrate compliance with the Detection Limit. Where background concentrations exceed the Water Quality Standard, the limit at the edge of the mixing zone is 30% over background, with the exception of TSS which shall be 100 mg/L above ambient. Monitoring for turbidity is visual only with no laboratory analysis required.

Contaminant	Water Quality Standard	Detection Limit*		
Contaminant	(ppb)	(ppb)		
Total Mercury	0.0007 – H(FC)	0.050		
Dissolved nickel	8.2-A(C)			
Dissolved copper	5.6-A(C)			
Dissolved lead	8.0-A(C)			
Dissolved zinc	66–A(C)			
PCB	1.0×10^{-6}			
Aroclor 1242		0.2		
Aroclor 1248		0.2		
Aroclor 1254		0.2		
Aroclor 1260		0.2		
Napthalene	16			
Benzo(a)pyrene	0.0006	0.1		
	None from sewage,			
	industrial waste or other	100 mg/L above		
TSS	wastes that will cause	ambient		
	deposition or impair the	amoient		
	waters for their best usages.			
	No increase that will cause a			
Turbidity	substantial visible contrast			
	to natural conditions.			
*Using EPA analytic	*Using EPA analytical method with the lowest possible detection			
limit as promulgated under 40CFR Part 136.				

• Permit Condition 62: All analytical results must be sent to DEC by fax or email within 48 hours of receipt of data results, followed by a mailed hard copy. Exceedances should be highlighted.

- Permit Condition 63: In the event of exceedance of a water quality standard, the department will be notified and the Permitee and the Department will determine if there is a need for procedural changes.
- Permit Condition 64: Water quality monitoring must be conducted daily (every day the activity occurs) at the start of each activity identified in condition 59, above, and during dredging of East Sediment Mound #3. Monitoring may be temporarily suspended due to weather or other safety concerns. Conditions resulting in suspension of monitoring must be documented in the reports described in condition 62 and 65.
 - A. If there are no water quality standard exceedances for five consecutive monitoring events, water quality monitoring for that activity may be reduced with Department approval. Daily visual turbidity monitoring must continue for all activities throughout the duration of the in-river operation.
 - B. TSS monitoring must be conducted daily for each bridge removal activity and for dredging and bottom profiling activities when they occur. If there are no TSS exceedances for five consecutive monitoring events for dredging and bottom profiling activities, TSS monitoring may be reduced to twice per week.
 - C. If, during the reduced sampling for any activity, turbidity resulting in a substantial visible contrast to the Hudson River is observed immediately outside of a silt curtain or at the edge of the 500-foot mixing zone or if there is an exceedance of 100 mg/L above the ambient TSS value, corrective action shall be taken and TSS monitoring frequency shall return to daily (every day that the activity occurs) for that activity until such time as TSS concentrations are less than 100 mg/L above ambient values on two consecutive measurements and turbidity does not result in a substantial visible contrast to the Hudson River. NYSDEC may specify additional monitoring until compliance is demonstrated. Samples shall be collected until NYSDEC approves resumption of reduced monitoring.
- Permit Condition 65: Three copies of a monitoring report summarizing the results of the monitoring and analyses shall be submitted to the Department within 30 days of completion of the in-river Authorized Activity in any calendar year.
- Permit Condition 66: All laboratory analyses required by this permit must be conduction by a laboratory certified by the New York State Department of Health.
- Permit Condition 67: Nothing contained in this Permit shall be construed as authorizing a violation of Water Quality Standards.
- Permit Condition 70: All decant water must be held in the decant-holding scow for a minimum of 12 hours

August 28, 2014 – NYSDEC issued a reduction in water quality monitoring for Pile Driving in Zone C to daily visual monitoring for turbidity.

1.2 Plan Revisions

The Water Quality Monitoring Plan (WQMP) was revised in accordance with the Permit Modification specified in Section 1.1 above. The schedule below provides the revisions of the WQMP for 2014:

- January 1 August 7 2014: Water Quality Monitoring Plan Revision 3
- July 15, 2014: Water Quality Monitoring Plan Revision 4 submitted to NYSTA
- July 24, 2014: Water Quality Monitoring Plan Revision 5 submitted to NYSDEC
- August 1, 2014: Water Quality Monitoring Plan Revision 6 submitted to NYSDEC
- August 8, 2014: Water Quality Monitoring Plan Revision 6 accepted by NYSDEC

2.0 Monitored Construction Activities

The following construction activities were monitored by TZC in 2014 per the Water Quality Monitoring Plan.

2.1 Cofferdam Construction

Cofferdam construction commenced in 2013. Cofferdam construction commenced in 2014 on
July 17, 2014 and ended on October 14, 2014. Construction was scheduled for 5 days a week, 8
hours per day during this period. Cofferdams were constructed about the footprints of Piers
(westbound), and Cofferdam construction was performed by TZC.
Cofferdams located around the footprints of Piers
were dewatered via suction pumps. During the dewatering process a series of leaks
in the cofferdam interlocking joints were identified. TZC utilized several methods for repairing
the leaks which included wooden wedges, oakum, and a mix of sand and pulverized stone.

2.2 Pile Driving (Platforms)

The Westchester temporary north trestle (platform) construction commenced in 2013. Westchester temporary north trestle construction commenced in 2014 on February 27, 2014 and was completed on March 19, 2014. Temporary platform construction was scheduled to occur 4 days a week 10 hours per day during this period. Temporary platform construction operations were performed by Trevcon Construction (TCC) as subcontractor to TZC.

The Rockland temporary north trestle and permanent platform construction commenced in 2013. The Rockland temporary north trestle construction commenced in 2014 on February 28, 2014 and was completed on October 17, 2014. Platform construction was scheduled to occur 5 days a week, 8 hours per day during this period. Rockland platform construction was performed by TZC.

2.3 Dredged Channel Armoring

Dredged Channel Armoring (armoring) commenced in 2013. Armoring commenced in 2014 on January 13, 2014 and was completed on July 12, 2014. Armoring was scheduled to occur intermittently 6 days a week (Monday through Saturday), 10 hours per day during this period. Armoring was performed by Weeks Marine, Inc. (WMI).

2.4 Production Pile Driving in Zone C

Production Pile Driving in Zone C (pile driving in zone C) commenced in 2013. Pile driving in zone C commenced in 2014 on January 18, 2014 and was completed on October 31, 2014. Pile driving was scheduled to occur intermittently between 7AM to 7PM from Monday through Friday and from 12PM to 7PM on Saturday during this period. Pile driving was performed by TZC using barge-based cranes. Piles were driven at Piers

2.5 Production Pile Driving Outside of Zone C

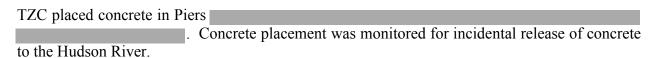
Production Pile Driving outside of Zone C (pile dr	iving outside zone C) commenced in 2013.
Pile driving outside of zone C commenced in 2014 of	on February 21, 2014 and continued through
December 2014. Pile driving was scheduled to occu	ir intermittently between 7AM to 7PM from
Monday through Friday and from 12PM to 7PM or	n Saturday during this period. Pile driving
was performed by TZC using barge-based cranes.	piles were driven at Piers
(vibratory only in 2014),	piles were driven at Piers 5 thru 16, 19
22thru 27, and 36thru 38.	

2.6 Concrete Placement

2.6.1 Tremie Concrete

TZC placed tremie concrete in Piers to seal the annular space between the pile and pre-cast pile cap. The placement of tremie concrete was monitored for observations of turbidity extending outside of the pile cap during the pour.

2.6.2 Non-Tremie Concrete



2.7 Pile Dewatering

Pile dewatering began on March 12, 2014 and continued through December 2014. Pile dewatering was performed by TZC using suction and/or hydraulically driven submersible pumps.

2.8 Pile Excavation

Pile excavation began on March 22, 2014 and continued through December 2014. Pile excavation was completed by TZC using a crane mounted, cable-actuated spherical grab.

2.9 Pier and Cofferdam Dewatering

Pier dewatering began on September 5, 2014 and continued through December 2014. Pier dewatering was performed by TZC using suction and submersible pumps. Cofferdam dewatering began on May 22, 2014 and continued through December 2014. Cofferdam dewatering was performed by TZC using suction pumps.

3.0 Water Quality Monitoring Activities

Water quality monitoring was performed in accordance with the Water Quality Monitoring Plan (Plan) throughout 2014. Visual observations of activities were conducted and documented by a barge-based or vessel-based observer during the activities identified in Table 1 of the Water Quality Monitoring Plan, Revision 6..

Due to logistical (e.g., equipment availability), construction schedule, and equipment mechanical issues, there were multiple days or tides when construction activities did not occur such that water quality samples were not collected.

4.0 Results

Total

Analytical results of whole water quality samples collected for 2014 are summarized in Table 1 and described below. There were no exceedances of the permit standards for total mercury, dissolved nickel, dissolved lead, dissolved zinc, PBCs, naphthalene, and benzo(a)pyrene. During the 2014 water quality monitoring program, 98% of the 580 samples collected were reported at concentrations below the water quality limits as set forth in NYSDEC Permit Condition 61 (Table 1).

Construction Activity	No. of Samples	Exceedances	Percent of Samples Under Permit Limits
Armoring	329	8	98%
Pile Driving	255	3	99%

584

Table 1. Construction Activity Whole Water Sample Exceedances

TZC also monitored construction operations through daily visual monitoring for turbidity that results in a substantial visible contrast to the ambient conditions of the Hudson River. Visual

11

98%

monitoring was documented through environmental checklists, visual inspection forms, and/or field compliance reports. Table 2 below summarizes the visual monitoring completed for construction operations after approval of Revision 6 of the Water Quality Monitoring Plan on August 8, 2014.

Table 2. Summary of Visual Monitoring for Turbidity from August 8, 2014 to December 31, 2014

Construction Activity	No. of Observations	No. of Observations with Visible Turbidity	Percent of Observations Free of Visible Turbidity
Pile Driving, Zone C	77	0	100%
Pile Driving, Outside Zone C	309	0	100%
Pile Dewatering	53	1	98%
Cofferdam Construction	14	0	100%
Pier and Cofferdam Dewatering	68	1	99%
Concrete Placement	157	19	88%
General Construction Work ¹	214	0	100%
Total	892	21	98%

¹General construction work includes, but is not limited to, the following activities: Pile excavation, formwork, pile splicing, installation of piles under self-weight, rebar installation, or other above water construction.

4.1 Dredged Channel Armoring

Attachment 1 provides a summary of samples collected for armoring. TZC collected 329 whole water quality samples during 100 days of monitoring. Water quality results indicate there were no exceedances on 93 of the 100 monitored days (Attachment 1).

There were eight TSS exceedances during the armoring operation in 2014. Table 3 below provides a summary of the exceedances. Exceedances were typically observed in the bottom sample and no exceedance was observed in the corresponding surface sample with the exception of the ebb sample on April 28, 2014 (Table 3). WMI enacted a corrective action of extending the chute further into the water column in response to the exceedance. Following exceedances WMI reviewed the activity for potential changes to the placement means and methods. As demonstrated by the few and intermittent observations of exceedances during the armoring activity the best management practices (BMPs) were properly deployed to prevent the resuspension of bottom sediments in the Hudson River.

Date (mm/dd/yy)	Tide Cycle	Sample Depth	Up-current concentration (ppm)	Down-current concentration ¹ (ppm)
04/04/14	Flood	Bottom	54.4	178.0
04/28/14	Ebb	Surface	48.8	290.0
04/28/14	Ebb	Bottom	49.2	189.0
05/03/14	Flood	Bottom	47.2	196.0
05/06/14	Flood	Bottom	33.6	139.0
05/22/14	Flood	Bottom	28.8	141.0
06/17/14	Ebb	Bottom	74.4	187.0

Bottom

30.0

212.0

Table 3. TSS Exceedances during the 2014 Armoring

Flood

06/28/14

Visual monitoring for turbidity was conducted for each day that armoring occurred. There were zero exceedances of turbidity observed extending beyond the 500-foot mixing zone. On May 5, 2014 TZC identified a material on the surface of the Hudson River extending beyond the 500-foot mixing zone. The observation was reported to NYSDEC. NYSDEC determined the observed material to be a substantial visible contrast to the natural conditions of the Hudson River and therefore an exceedance of Permit Condition 61. TZC identified the material as finely-pulverized rock dust from the bedding material deposited as the first layer armoring. As a corrective action to the observed exceedance TZC, in coordination with NYSTA and NYSDEC, eliminated the placement of the bedding material from the dredged channel armoring process on May 29, 2014. Table 4 provides a summary of observations of the rock dust extending beyond the 500-foot mixing zone.

¹ Permit limit is >100 ppm above ambient

Date (mm/dd/yy)	Tide Cycle	Corrective Action
05/05/14	Ebb	Extending chute from 5-feet to 6-feet into the water.
05/09/14	Ebb	Chute had been extended from 6-feet to 7-feet into the water. NYSDEC onsite and determined turbidity was not substantial.
05/12/14	Flood	Observation was similar to conditions observed by NYSDEC on May 9, 2014 which was determined to be not substantial.
05/14/14	Flood	Extended chute 8-feet into the water and wetted prior to placement.
05/23/14	Ebb	Material was wetted prior to placement.
06/03/14	Flood	NYSDEC onsite and determined turbidity was not substantial.
06/12/14	Ebb	Stone dust was similar to conditions observed by NYSDEC on May 9, 2014 which was determined to be not substantial

Table 4. Reported Observations of Rock Dust beyond 500-Foot Mixing Zone

4.2 Pile Driving in Zone C

Attachment 2 provides a summary of samples collected for pile driving in Zone C. TZC collected 255 whole water quality samples during 70 days of monitoring in 2014. Water quality results indicate that there were no exceedances for 67 of the 70 days sampled (Attachment 2).

There were three reported exceedances associated with pile driving in Zone C in 2014. Per Permit Condition 61, the TSS limit was exceeded in one sample and the dissolved copper limit was exceeded in two samples. Table 5 below provides a summary of reported exceedances.

Date (mm/dd/yy)	Pier No.	Pile Driving Method	Tide	Sample Depth	Analyte	Up-current concentration	Down-current concentration
05/12/14	32	Vibratory	Flood	Bottom	TSS	89.2 ppm	222 ppm ¹
07/16/14	33	Impact	Ebb	Mid-Water	Dissolved Copper	3.9 ppb	6.5 ppb ²
08/13/14	28	Impact	Ebb	Bottom	Dissolved Copper	< 3.0 ppb ³	6.9 ppb ²

Table 5. Reported Exceedances during the 2014 Pile Driving in Zone C

There were no observations of visible turbidity extending beyond the 500-foot mixing zone in 2014.

¹ Permit limit is >100 ppm above ambient

² Permit Limit is 5.6 ppb

³ Method Detection Limit is 3.0 ppb

Attachment 1

Summary of Dredged Channel Armoring Water Quality Monitoring

									Hnc	current Sam	ples ¹											Down	current Sam	nples²						Т
					ō				Орс	Jaill	p.103	P	СВ			0		ō				DOWI	Jan Ent Jall	.,,,,,,	PC	В			0	1
					ende	≥	_	<u>.</u>	_		42	84	45	90	lene	yrene		ende	2	-	5	_		42	48	42	90	lene	yrene	ļ
					Susp	lercu	Nicke	odd o	Lead	Zinc	or 12,	or 12,	or 12	or 12	htha	o(a)b		Susp	ercu	Nicke	obbe	Lead	Zinc	or 12,	or 12,	or 12	or 12(httha	o(a)p	
	Access		Sample		otal	>	_	0			rock	rock	rock	rock	Nap	Benze		otal §	>	_	0			rock	rock	rock	rock	Nap	3enz(
Date	Channel	Tidal Cycle		Sample Tin							4	٩	٩	٩			Sample Time							4	∢	۹	٩			Sample Status
(mm/dd/yyyy)	West	(Flood or Ebb)	(S, M, B)	(24:00)	(mg/L)	ND	ND	ND	ND	16	(ppb)	ND	ND	ND	ND	ND	(24:00)	(mg/L)	ND	ND	21	ND	15	(ppb)	ND	ND	ND	ND	ND	(Exceedances and other observations)
1/13/2014 1/13/2014	West West	Ebb Ebb	S B	13:46 13:43		ND ND	ND ND	ND ND	ND ND	16 14	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	13:26 13:20	39.2 39.2	ND ND	ND ND	3.1 ND	ND ND	15 14	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
1/14/2014	West	Flood	S	09:35	_	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	09:07	30.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	No Exceedance
1/14/2014	West	Flood	В	09:30	27.2	ND	ND	3.2	ND	18	ND	ND	ND	ND	ND	ND	09:01	29.2	ND	ND	3.5	ND	16	ND	ND	ND	ND	ND	ND	No Exceedance
1/14/2014	West	Ebb	S	11:35		ND	ND	3.3	ND	14	ND	ND	ND	ND	ND	ND	11:58	53.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No Exceedance
1/14/2014	West West	Ebb Flood	B S	11:31 09:56	28.0 57.2	ND ND	ND ND	ND ND	ND ND	15 13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	11:53 09:34	61.2 77.2	ND ND	ND ND	3.1 ND	ND ND	14 13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
1/16/2014	West	Flood	В	09:53	64.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	09:30	114	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	Upcurrent TSS sample was 64.0 mg/L, 114 mg/L is not an exceedance.
1/16/2014	West	Ebb	S	12:46		ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	12:27	53.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No Exceedance
1/16/2014	West	Ebb	В	12:43		ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	12:24	49.2	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	No Exceedance
1/17/2014 1/17/2014	West West	Flood Flood	S B	11:26 11:22	_	ND ND	ND ND	ND ND	ND ND	13 13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	11:03 10:57	76.4 82.4	ND ND	ND ND	ND ND	ND ND	13 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
1/17/2014	West	Ebb	S	15:06	_	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	14:52	77.2	ND	ND	ND	ND	13	ND	ND	ND ND	ND ND	ND	ND	No Exceedance
1/17/2014	West	Ebb	В	15:03	81.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	14:49	84.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No Exceedance
1/18/2014	West	Flood	S	11:24		ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	10:54	104	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	Upcurrent TSS sample was 68.8 mg/L, 104 mg/L is not an exceedance.
1/18/2014	West	Flood	B S	11:20		ND	ND	ND	ND	14	ND	ND ND	ND	ND ND	ND	ND	10:51	126	ND	ND	ND	ND	16	ND	ND ND	ND ND	ND ND	ND	ND	Upcurrent TSS sample was 87.6 mg/L, 126 mg/L is not an exceedance.
1/20/2014	West West	Flood Flood	B	10:23 10:20	_	ND ND	ND ND	ND ND	ND ND	13 13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	10:08 10:05	116 127	ND ND	ND ND	ND ND	ND ND	13 14	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	Upcurrent TSS sample was 67.2 mg/L, 116 mg/L is not an exceedance. Upcurrent TSS sample was 77.6 mg/L, 127 mg/L is not an exceedance.
1/20/2014	West	Ebb	S	16:02		ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	15:40	89.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
1/20/2014	West	Ebb	В	15:58	56.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	15:36	88.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	No Exceedance
1/21/2014	West	Ebb	S	09:08	_	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	08:51	46.8	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	No Exceedance
1/21/2014	West West	Ebb Flood	B S	09:04 10:35	_	ND ND	ND ND	ND ND	ND ND	13 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	08:47 10:10	9.6 57.2	ND ND	ND ND	3.1 ND	ND ND	20 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
1/21/2014	West	Flood	В	10:30	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10:05	74.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No Exceedance
3/10/2014	West	Flood	S	15:25	13.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	15:39	9.60	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	No Exceedance
3/10/2014	West	Flood	В	15:23	_	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	15:36	15.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No Exceedance
3/11/2014 3/11/2014	West West	Ebb Ebb	S B	10:10 10:08	_	ND ND	ND ND	ND ND	ND ND	15 14	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	09:55 09:53	10.0 18.4	ND ND	ND ND	ND ND	ND ND	15 18	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
3/12/2014	West	Flood	S	8:27	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	08:44	5.20	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	No Exceedance
3/12/2014	West	Flood	В	8:25	10.8	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	08:42	23.2	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	No Exceedance
3/12/2014	West	Ebb	S	11:06	_	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	10:48	10.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No Exceedance
3/12/2014 3/17/2014	West West	Ebb Flood	B S	11:04 10:49	_	ND ND	ND ND	ND ND	ND ND	13 21	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	10:45 10:33	9.20 65.60	ND ND	ND ND	ND ND	ND ND	16 16	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
3/17/2014	West	Flood	В	10:47		ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	10:33	76.40	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	No Exceedance
3/18/2014	West	Ebb	S	15:05	22.0	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	14:46	44.4	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND	No Exceedance
3/18/2014	West	Ebb	В	15:02	_	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	14:41	40.4	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	No Exceedance
3/19/2014 3/19/2014	West West	Flood Flood	S B	10:13 10:11	23.2 34.0	ND ND	ND ND	ND ND	ND ND	13 13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	09:59 09:56	36.8 48.0	ND ND	ND ND	ND ND	ND ND	12 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
3/19/2014	West	Ebb	S	14:54		ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	14:43	25.2	ND	ND	ND	ND	13	ND	ND	ND ND	ND ND	ND	ND	No Exceedance
3/19/2014	West	Ebb	В	14:52		ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	14:40	27.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No Exceedance
3/20/2014	West	Ebb	S	8:49	39.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	08:33	71.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No Exceedance
3/20/2014	West	Ebb	B S	8:46	_	ND ND	ND ND	ND ND	ND ND	12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	08:30 10:39	118 34.4	ND	ND	ND ND	ND ND	16 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	Upcurrent TSS sample was 41.2 mg/L, 118 mg/L is not an exceedance. No Exceedance
3/20/2014 3/20/2014	West West	Flood Flood	B	10:54 10:51	_	ND ND	ND ND	ND ND	ND ND	12 15	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	10:39	38.0	ND ND	ND ND	ND ND	ND ND	12	ND ND	ND ND	ND ND	ND ND	ND ND	ND	No Exceedance
3/21/2014	West	Flood	S	12:03	36.4	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	12:13	41.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	No Exceedance
3/21/2014	West	Flood	В	12:00	40.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	12:10	41.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No Exceedance
3/24/2014	1	Ebb	S	11:01		ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	10:51	90.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	No Exceedance
3/24/2014 3/24/2014	West West	Ebb Flood	B S	10:59 15:21		ND ND	ND ND	ND ND	ND ND	13 13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	10:50 15:09	78.0 38.8	ND ND	ND ND	ND ND	ND ND	13 16	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
3/24/2014		Flood	B	15:19		ND ND	ND	ND ND	ND	13	ND	ND	ND	ND	ND	ND	15:07	61.6	ND	ND	ND	ND	13	ND	ND ND	ND ND	ND ND	ND	ND	No Exceedance
3/25/2014	West	Ebb	S	10:19		ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	10:05	20.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No Exceedance
3/25/2014	1	Ebb	В	10:16		ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	10:02	19.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No Exceedance
3/25/2014 3/25/2014		Flood	S	15:01 14:58		ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	14:49	56.0 51.2	ND ND	ND ND	ND ND	ND ND	16 13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
3/26/2014	West West	Flood Flood	B S	8:14		ND ND	ND	ND ND	ND	12	ND	ND ND	ND	ND	ND ND	ND ND	14:45 8:29	23.6	ND ND	ND	ND	ND	12	ND	ND	ND ND	ND ND	ND ND	ND ND	No Exceedance
3/26/2014	West	Flood	В	8:11		ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	8:26	26.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No Exceedance
3/26/2014	1	Ebb	S	9:53		ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	9:40	41.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
3/26/2014	West	Ebb	В	9:50	_	ND ND	ND ND	ND	ND	13 ND	ND	ND ND	ND	ND	ND	ND	9:37	50.8	ND	ND	ND 3.0	ND	11 ND	ND ND	ND	ND	ND ND	ND	ND	No Exceedance
3/27/2014 3/27/2014	West West	Flood Flood	S B	8:18 8:16		ND ND	ND ND	3.3 3.7	ND ND	ND 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	8:07 8:04	42.0 37.2	ND ND	ND ND	3.9 4.9	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
3/27/2014	West	Ebb	S	10:16		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10:28	26.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No Exceedance
3/27/2014	1	Ebb	В	10:14	34.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10:25	42.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
3/28/2014	West	Flood	S	8:26		ND	ND ND	3.0	ND	ND ND	ND	ND	ND	ND	ND	ND	8:13	58.4	ND	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	No Exceedance
3/28/2014 3/28/2014	West West	Flood Ebb	B S	8:23 12:22		ND ND	ND ND	3.2 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	8:08 12:11	69.6 65.6	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
3/28/2014	West	Ebb	В	12:19		ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	12:09	109	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND	Upcurrent TSS sample was 30.4mg/L, 109 mg/L is not an exceedance.
3/29/2014		Flood	S	10:24	43.2	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	10:14	49.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No Exceedance
3/29/2014	West	Flood	В	10:22		ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	10:12	53.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No Exceedance
3/29/2014	West	Ebb	S	11:52	44.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	11:41	46.4	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	No Exceedance

Г	ı	Г	1					Ha	urrent Samı	nlos ¹						1					De	CITERON C-	anlos²						
				-				Upc	urrent Sami	pies	PC	В			_		-				Down	current San	ipies	P	СВ				-
				s	<u>≥</u>	-	ъ			.42	48	54	09:	lene	yrene		s	<u>≥</u>	-	-e			.42	48	54	09:	lene	yrene	
				Solid	Mercu	Nick	Copp	Lead	Zinc	lor 12	lor 12	lor 12	lor 12	phtha	20(a) p		Susp	Mercu	Nick	Copp	Lead	Zinc	lor 12	lor 12	lor 12	lor 12	phtha	co(a) p	
Data	Access	Sample		Total	-					Arocl	Arocl	Arocl	Arocl	Na	Benz		Total	-					Arocl	Arocl	Arocl	Arocl	N B	Benz	Samula Status
3/29/2014	Channel West	Tidal Cycle Depth ³ Ebb B	Sample Tin		ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	Sample Time	40.4	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	Sample Status No Exceedance
4/1/2014	West	Flood S	13:39		ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	13:24	42.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
4/1/2014	West	Flood B	13:37		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13:21	49.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No Exceedance
4/1/2014 4/1/2014	West West	Ebb S Ebb B	15:16 15:13		ND ND	ND ND	ND ND	ND ND	12 29	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	14:59 14:57	50.4 43.6	ND ND	ND ND	ND ND	ND ND	11 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
4/2/2014	West	Ebb S	9:11		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8:51	49.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No Exceedance
4/2/2014	West	Ebb B	9:09		ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	8:49	49.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No Exceedance
4/2/2014 4/2/2014	West West	Flood S Flood B	11:26 11:24		ND ND	ND ND	ND ND	ND ND	13 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	11:10 11:07	34.4 32.8	ND ND	ND ND	ND ND	ND ND	12 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
4/3/2014	West	Ebb S	8:49		ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	8:32	49.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
4/3/2014	West	Ebb B	8:47		ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	8:30	39.6	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	No Exceedance
4/3/2014 4/3/2014	West West	Flood S Flood B	13:03 13:01		ND ND	ND ND	ND ND	ND ND	11 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	12:48 12:46	36.4 40.8	ND ND	ND ND	ND ND	ND ND	11 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
4/4/2014	West	Ebb S	9:04		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8:48	40.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No Exceedance
4/4/2014	West	Ebb B	9:02		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8:46	42.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No Exceedance
4/4/2014 4/4/2014	West West	Flood S Flood B	11:37 11:35		ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	11:20 11:18	63.6 178 ⁴	ND ND	ND ND	ND ND	ND ND	11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance Upcurrent TSS sample was 54.4mg/L, 178 mg/L TSS is an exceedance.
4/5/2014	West	Ebb S	10:33		ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	10:16	43.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	No Exceedance
4/5/2014	West	Ebb B	10:32	2 31.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	10:15	45.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No Exceedance
4/5/2014	West	Flood S	12:32		ND	ND	ND ND	ND	11	ND ND	ND ND	ND	ND	ND	ND	12:44	29.2	ND	ND	ND	ND	14	ND	ND	ND ND	ND	ND	ND	No Exceedance
4/5/2014 4/7/2014	West West	Flood B Ebb S	12:30 9:13		ND ND	ND ND	ND ND	ND ND	11 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	12:42 8:54	31.6 24.8	ND ND	ND ND	ND ND	ND ND	12 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
4/7/2014	West	Ebb B	9:10		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8:51	17.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No Exceedance
4/9/2014	West	Ebb S	10:38		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10:24	16.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No Exceedance
4/9/2014 4/9/2014	West West	Ebb B Flood S	10:36 16:59		ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	10:22 16:45	14.4 18.4	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
4/9/2014	West	Flood B	16:56		ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	16:43	20.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No Exceedance
4/10/2014	West	Flood S	8:25		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8:13	14.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No Exceedance
4/10/2014 4/10/2014	West West	Flood B Ebb S	8:23 10:50		ND ND	ND ND	ND ND	ND ND	11 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	8:11 10:34	28.8 26.0	ND ND	ND ND	ND ND	ND ND	11 10	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
4/10/2014	West	Ebb B	10:48		ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	10:32	47.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No Exceedance
4/11/2014	West	Flood S	8:40		ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	8:23	24.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
4/11/2014 4/11/2014	West West	Flood B Ebb S	8:38 10:14		ND ND	ND ND	ND ND	ND ND	ND 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	8:19 9:58	88.8 19.6	ND ND	ND ND	ND ND	ND ND	ND 13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
4/11/2014	West	Ebb B	10:14		ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	9:55	20.0	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	No Exceedance
4/12/2014	West	Flood S	9:32		ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	9:17	35.0	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	No Exceedance
4/12/2014 4/12/2014	West West	Flood B Ebb S	9:29 11:37		ND ND	ND ND	ND ND	ND ND	12 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	9:14 11:24	73.0 35.0	ND ND	ND ND	ND ND	ND ND	12 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
4/12/2014	West	Ebb B	11:35		ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	11:22	32.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
4/14/2014	West	Flood S	9:18		ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	9:30	56.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
4/14/2014	West	Flood B	9:16 12:32		ND	ND	ND	ND	18	ND ND	ND	ND	ND ND	ND	ND	9:28	61.6 38.8	ND	ND	ND	ND	12	ND	ND	ND	ND ND	ND	ND	No Exceedance
4/14/2014 4/14/2014	West West	Ebb S Ebb B	12:32		ND ND	ND ND	ND ND	ND ND	13 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	12:18 12:16	38.8	ND ND	ND ND	ND ND	ND ND	12 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
4/15/2014	West	Flood S	9:51		ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	9:10	65.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No Exceedance
4/15/2014	West	Flood B	9:49		ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	9:08	134	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	Upcurrent TSS sample was 84.0 mg/L, 134 mg/L TSS is not an exceedance.
4/15/2014 4/15/2014	West West	Ebb S Ebb B	13:04 13:01		ND ND	ND ND	ND ND	ND ND	11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	13:17 13:15	65.6 105	ND ND	ND ND	ND ND	ND ND	12 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance Upcurrent TSS sample was 58.8 mg/L, 105 mg/L TSS is not an exceedance.
4/16/2014	West	Flood S	8:57	97.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	9:33	108	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Upcurrent TSS sample was 97.2 mg/L, 103 mg/L TSS is not an exceedance.
4/16/2014	West	Flood B	8:55		ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	9:31	144	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	Upcurrent TSS sample was 60.8 mg/L, 144 mg/L TSS is not an exceedance.
4/16/2014 4/16/2014	West West	Ebb S Ebb B	14:08 14:06		ND ND	ND ND	ND ND	ND ND	ND 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	13:53 13:51	80.8 86.4	ND ND	ND ND	ND ND	ND ND	11 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
4/17/2014	West	Ebb S	8:15		ND	ND	ND ND	ND	11	ND	ND ND	ND	ND	ND	ND	8:01	136	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	Upcurrent TSS sample was 69.2 mg/L, 136 mg/L TSS is not an exceedance.
4/17/2014	West	Ebb B	8:13	80.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	7:59	165	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	Upcurrent TSS sample was 80.4 mg/L, 165 mg/L TSS is not an exceedance.
4/17/2014	West	Flood S	11:49		ND	ND	ND ND	ND	13	ND ND	ND ND	ND	ND	ND	ND	11:31	87.2	ND ND	ND	ND ND	ND	ND 12	ND ND	ND	ND ND	ND	ND	ND ND	No Exceedance
4/17/2014 4/18/2014	West West	Flood B Ebb S	11:48 8:22		ND ND	ND ND	ND ND	ND ND	13 13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	11:29 8:09	72.4 91.6	ND ND	ND ND	ND ND	ND ND	12 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
4/18/2014	West	Ebb B	8:21	91.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	8:08	92.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No Exceedance
4/18/2014	West	Flood S	9:53		ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	9:39	73.2	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	No Exceedance
4/18/2014 4/19/2014	West West	Flood B Ebb S	9:51 8:41		ND ND	ND ND	ND ND	ND ND	ND 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	9:37 8:25	66.0 84.0	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
4/19/2014	West	Ebb B	8:38		ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND	ND	8:23	82.8	ND ND	ND	ND ND	ND	11	ND ND	ND	ND ND	ND ND	ND	ND	No Exceedance
4/19/2014	West	Flood S	11:16	42.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	11:03	43.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No Exceedance
4/19/2014	West	Flood B	11:14		ND	ND	ND ND	ND	ND 10	ND ND	ND ND	ND	ND	ND	ND	11:00	96.4	ND ND	ND	ND ND	ND	ND	ND ND	ND	ND ND	ND	ND	ND	No Exceedance
4/22/2014 4/22/2014	West West	Ebb S Ebb B	12:43 12:41		ND ND	ND ND	ND ND	ND ND	10 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	12:28 12:26	52.0 53.6	ND ND	ND ND	ND ND	ND ND	11 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
4/22/2014	West	Flood S	13:34		ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	13:18	56.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No Exceedance
4/22/2014	West	Flood B	13:32		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13:16	90.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
4/23/2014 4/23/2014	West West	Ebb S Ebb B	9:54 9:52		ND ND	ND ND	ND ND	ND ND	10 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	9:39 9:37	44.8 51.2	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
4/23/2014	West	Ebb S	12:49		ND	ND ND	ND ND	ND ND	11	ND ND	ND ND	ND	ND ND	ND	ND	12:31	94.8	ND ND	ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND ND	ND	ND	No Exceedance
		•				•												•	•			•							-

The color The				ı	ı													1													
The column The						T _				Upc	current Sam	ples ¹	PC	:В									Down	current San	nples ²	Pi	СВ				4
No.						anded	>	_				72		4	9	ene	/rene		anded	ح ا	_	<u>.</u>			22	. ·		90	ene	/rene	
The control of the co						Suspe	lercur	Nicke	eddo	Lead	Zinc	or 124	or 124	or 125	or 126	hthal	o(a) p)		Suspe	ercur	Nicke	eddo	Lead	Zinc	or 124	or 124	or 125	or 126	hthal	o(a) py	
The column				Sample		otal	2					Arocle	Arock	Arock	Arocle	Nap	Benzi		otal	2	_				Arocle	Arock	Arock	Arock	Nap	Benzi	
						e F	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND.	Sample Time	94.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	
Control Cont							+		1		+		1					_		1 1		1			1		1				
Section Property Conference Conferen								_	_			1																			
Section Sect							+		1		1		1									1			1		1				
									_			1																			
Figure 1									_																_						
Control Cont									_			1																			
Company Comp							_		1		1		1									1					1				
Company Comp							+		_		+		1							1 1					1						
Company Comp									_																_						
Company Comp				S			+	+					+														+				
Column C	4/28/2014	West	Ebb	В	12:59	49.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	12:48	189 ⁴	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	Upcurrent TSS sample was 49.2 mg/L, 189 mg/L TSS is an exceedance.
Control Cont								_	_																_						
Application Control								_	_			1																			
The column The								_	_																						
Property						-	+		_				1							1 1					1						
								_	_																_						
		West	Flood	В			+															1			1		1				No Exceedance
Second S								_	_			1																			
18/10/15 18/10 1						-	+		_		1		1					_		1 1					1						
1975 1975								_	_			1						9:21													
								+			1						1														
April Most 188 9 570 131 100																									_						
Section Sect		West	Ebb	В	8:56	53.6	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	8:40	83.2	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	No Exceedance
14,070.00 West Fish S S. F. 15 Mo Mo Wo Mo Mo Mo Mo Mo							+		_				1					_		1 1				_	1						
									_																_						
Second S		West	Ebb	В			_	_	1		1		-							ND							-			ND	No Exceedance
SAMPSIAN Word Fish St. 1154 20.8 No. N							1	_			+		+														+				
Strict S						_	_	_			+							_									-				
5/8/2014 West Flood S				В			ND		_			1			ND		ND	11:36								ND			ND	ND	
58/90214 West Flood S 7-34 8-0 NO NO NO NO NO NO NO N									_																_						
59/2014 West Elbo 8 732 13.2 NO NO NO NO NO NO NO N									_			1																			
59/2014 West Ebb 8 9.24 13.2 NO NO NO NO NO NO NO N			Flood	В	7:32	13.2	ND		_	ND	+		1		ND					ND		1		10	1		1		ND	ND	
55/10/2014 West Ebb S 11.96 11.32 NO NO NO NO NO NO NO N							+		_				1					_		1 1				_	1						
Strip Stri	0,0,000				0																										
Strict S		West	Ebb																												
Shape Shap																															
Shape Shap									_								+	_		1					1						
S/12/2014 West Ebb B 11:30 44.4 ND ND ND ND ND ND ND N					10:12																			_							
S/13/2014 West Flood S 7-49 36.8 ND ND ND ND ND ND ND N											1									1 1											
5/13/2014 West Ebb S 13:11 34.8 ND ND ND ND ND ND ND N																															
5/13/2014 West Ebb B 13:09 32.4 ND ND ND ND ND ND ND N	5/13/2014		Flood	В	7:46	30.8	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	7:34	38.4	1		ND		12	ND	ND	ND	ND	ND		No Exceedance
S/14/2014 West Flood S 8:15 40.4 ND ND ND ND ND ND ND N																		_						_							
S/14/2014 West Flood B 8:13 52.8 ND ND ND ND ND ND ND N																				1 1											
S/15/2014 West Flood B 9:20 40.4 ND ND ND ND ND ND ND N	5/14/2014	West	Flood	В	8:13	52.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8:03	62.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
S/15/2014 West Ebb S 13:48 14.4 ND ND ND ND ND ND ND N																															
S/15/2014 West Ebb B 13:46 20.8 ND ND ND ND ND ND ND N																															
5/16/2014 West Flood B 8:39 43.6 ND	5/15/2014	West	Ebb		13:46	20.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13:33	27.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No Exceedance
5/16/2014 West Ebb S 14:02 39.6 ND							+		_								+	_		1					1						
5/16/2014 West Ebb B 14:00 40.4 ND																															
5/19/2014 West Flood B 10:34 48.8 ND ND 3.1 ND 12 ND	5/16/2014			В	14:00	40.4	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	13:48	47.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No Exceedance
																	+			1 1					1						

		1							Llea	aurant Cam	mloc ¹											Dours	accurant Com	amlas²						_
			-		70				Upo	current Sam	pies	PC	В					70				Down	ocurrent Sam	ipies	P	СВ				1
					pende	ri.	-	- E	0		242	1248	254	560	alene	pyren		pende	rī.	-	- Be	ъ	٥	242	1248	254	260	alene	pyren	
					Solic	Merci	Nick	Copp	Lea	Zin	lor 12	lor 13	lor 13	lor 1	phth	zo(a)		Solic	Merci	Nick Sick	Сорр	Lea	Zinc	lor 12	lor 1%	lor 1	lor 13	phth	zo(a)	
Access Date Channe	_	al Cycle	Sample Depth ³	Sample Time	Tota						Aroc	Aroc	Aroc	Aroc	, s	Ben	Sample Time	Tota						Aroc	Aroc	Aroc	Aroc	S S	Ben	Sample Status
5/19/2014 West		Ebb	В	16:49	32.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	16:33	32.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
5/20/2014 West		Ebb	S	8:57	75.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	8:40	86.8	ND	ND	3.0	ND	12	ND	ND	ND	ND	ND	ND	No Exceedance
5/20/2014 West 5/20/2014 West	_	Ebb	B S	8:55 12:33	88.4 32.0	ND ND	ND ND	ND ND	ND ND	10 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	8:37 12:16	84.8 58.0	ND ND	ND ND	ND ND	ND ND	11 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
5/20/2014 West	_	lood	В	12:30	57.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	12:14	71.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
5/21/2014 West 5/21/2014 West		Ebb Ebb	S B	10:23 10:21	50.0 74.8	ND ND	ND ND	ND ND	ND ND	10 10	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	10:04 10:00	107 112	ND ND	ND ND	ND ND	ND ND	11 14	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	Upcurrent TSS sample was 50.0 mg/L, 107 mg/L is not an exceedance Upcurrent TSS sample was 74.8 mg/L, 112 mg/L is not an exceedance.
5/21/2014 West 5/21/2014 West		lood	S	13:04	28.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12:47	30.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND ND	No Exceedance
5/21/2014 West		lood	В	13:02	46.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12:45	34.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
5/22/2014 West 5/22/2014 West		Ebb Ebb	S B	10:49 10:47	46.4 50.8	ND ND	ND ND	ND ND	ND ND	11 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	10:35 10:33	50.8 77.6	ND ND	ND ND	ND ND	ND ND	11 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
5/22/2014 West	_	lood	S	14:04	23.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	13:49	45.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No Exceedance
5/22/2014 West	_	lood	В	14:02	28.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	13:48	1414	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	Upcurrent TSS sample was 28.8 mg/L, 141 mg/L TSS is an exceedance.
5/23/2014 West 5/23/2014 West	_	lood	S B	7:08 7:07	41.6 30.8	ND ND	ND ND	3.0 ND	ND ND	11 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	6:59 6:57	27.2 36.0	ND ND	ND ND	ND ND	ND ND	11 14	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
5/23/2014 West	_	Ebb	S	8:43	17.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	8:31	23.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	No Exceedance
5/23/2014 West 5/27/2014 West		Ebb	B S	8:41 8:41	23.2 45.6	ND ND	ND ND	ND ND	ND ND	10 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	8:30 8:28	32.0 45.6	ND ND	ND ND	ND ND	ND ND	14 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
5/27/2014 West	_	lood	В	8:39	50.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	8:26	44.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No Exceedance
5/27/2014 West	_	Ebb	S	12:33	19.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	12:18	30.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
5/27/2014 West 5/28/2014 West		Ebb	B S	12:31 8:32	19.6 21.2	ND ND	ND ND	ND ND	ND ND	11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	12:15 8:12	38.4 35.2	ND ND	ND ND	ND ND	ND ND	ND 10	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
5/28/2014 West	_	lood	В	8:30	21.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8:10	19.2	ND	ND	3.1	ND	10	ND	ND	ND	ND	ND	ND	No Exceedance
5/28/2014 West 5/28/2014 West		Ebb Ebb	S B	13:19 13:17	24.4 27.6	ND ND	ND ND	3.2	ND ND	11 10	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	13:03 13:01	28.0 36.8	ND ND	ND ND	3.2	ND ND	11 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
5/29/2014 West		lood	S	7:48	33.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8:05	35.2	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	No Exceedance
5/29/2014 West		lood	В	7:45	35.2	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	8:02	24.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	No Exceedance
5/30/2014 West 5/30/2014 West	_	lood	S B	8:29 8:24	22.0 27.6	ND ND	ND ND	ND ND	ND ND	10 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	8:12 8:10	23.6 27.6	ND ND	ND ND	ND ND	ND ND	11 17	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
5/30/2014 West		Ebb	S	14:04	19.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	13:52	26.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
5/30/2014 West 5/31/2014 West		Ebb Ebb	B M	14:02 7:49	33.2 34.0	ND ND	ND ND	ND ND	ND ND	16 10	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	13:51 7:34	30.8 104	ND ND	ND ND	ND ND	ND ND	12 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance Upcurrent TSS sample was 34.0 mg/L, 104 mg/L TSS is not an exceedance.
5/31/2014 West		lood	M	9:48	43.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	10:03	92.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
6/2/2014 West 6/2/2014 West	_	Ebb Ebb	S B	10:22 10:20	29.2 50.4	ND ND	ND ND	ND ND	ND ND	ND 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	10:09 10:07	30.0 33.2	ND ND	ND ND	ND ND	ND ND	11 10	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
6/2/2014 West		lood	S	12:52	16.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	12:32	25.2	ND ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	No Exceedance
6/2/2014 West		lood	В	12:50	14.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	12:29	112	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	Upcurrent TSS sample was 14.0 mg/L, 112 mg/L TSS is not an exceedance.
6/3/2014 West 6/3/2014 West	_	Ebb	M M	10:19 11:32	18.4 56.4	ND ND	ND ND	ND ND	ND ND	10 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	10:09 11:16	60.8 39.6	ND ND	ND ND	ND ND	ND ND	10 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
6/4/2014 West	_	Ebb	S	10:25	16.4	ND	ND	3.1	ND	14	ND	ND	ND	ND	ND	ND	10:04	19.2	ND	ND	3.0	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
6/4/2014 West 6/5/2014 West	_	Ebb Ebb	B M	10:23 10:05	20.4 26.0	ND ND	ND ND	ND 3.0	ND ND	10 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	10:02 9:52	25.6 26.0	ND ND	ND ND	3.0 3.4	ND ND	12 16	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
6/6/2014 West		Ebb	M	9:03	30.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	8:51	28.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
6/6/2014 West 6/9/2014 West		lood	M M	13:49 9:35	25.2 25.6	ND ND	ND ND	ND 3.4	ND ND	11 10	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	13:57 9:22	14.0 38.0	ND ND	ND ND	3.0	ND ND	14 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
6/9/2014 West		Ebb	M	11:25	61.6	ND	ND ND	4.0	ND	13	ND	ND ND	ND	ND	ND	ND ND	11:09	26.8	ND	ND	3.6	ND	12	ND	ND	ND	ND	ND	ND ND	No Exceedance
6/10/2014 West	_	lood	S	13:38	29.2	ND	ND	3.0	ND	11	ND	ND	ND	ND	ND	ND	13:20	108	ND	ND	3.1	ND	12	ND	ND	ND	ND	ND	ND	Upcurrent TSS sample was 29.2 mg/L, 108 mg/L TSS is not an exceedance.
6/10/2014 West 6/11/2014 West		lood	B S	13:36 9:05	30.0 25.2	ND ND	ND ND	3.2	ND ND	12 17	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	13:17 8:49	102 43.2	ND ND	ND ND	3.2 3.9	ND ND	12 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	Upcurrent TSS sample was 30.0 mg/L, 102 mg/L TSS is not an exceedance. No Exceedance
6/11/2014 West	: Fl	lood	В	9:03	39.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	8:47	74.8	ND	ND	4.0	ND	13	ND	ND	ND	ND	ND	ND	No Exceedance
6/11/2014 West 6/11/2014 West		Ebb Ebb	S B	11:57 11:54	27.6 35.6	ND ND	ND ND	ND ND	ND ND	11 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	11:40 11:38	31.2 26.8	ND ND	ND ND	ND ND	ND ND	11 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
6/12/2014 West	_	lood	S	9:31	42.0	ND	ND ND	3.1	ND	14	ND	ND	ND	ND	ND	ND	9:14	41.6	ND	ND	3.1	ND	12	ND	ND	ND	ND	ND	ND	No Exceedance
6/12/2014 West		lood	В	9:29	57.2	ND	ND ND	ND	ND	12	ND ND	ND ND	ND	ND	ND	ND	9:13	39.2	ND	ND	3.5	ND	14	ND	ND	ND ND	ND ND	ND	ND	No Exceedance
6/12/2014 West 6/12/2014 West	_	Ebb Ebb	S B	12:46 12:44	22.8 36.4	ND ND	ND ND	3.1 ND	ND ND	11 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	12:28 12:26	34.0 43.6	ND ND	ND ND	ND ND	ND ND	13 10	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
6/13/2014 West	_	lood	S	11:18	54.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	11:02	49.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No Exceedance
6/13/2014 West 6/14/2014 West		Flood Ebb	B M	11:16 7:09	70.8 41.6	ND ND	ND ND	ND ND	ND ND	13 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	11:00 6:59	55.2 68.4	ND ND	ND ND	ND ND	ND ND	12 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
6/14/2014 West	: Fl	lood	S	8:32	25.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	8:21	20.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No Exceedance
6/14/2014 West 6/16/2014 West		Flood Ebb	B M	8:31 9:09	25.2 48.0	ND ND	ND ND	ND ND	ND ND	12 13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	8:20 8:51	34.0 84.8	ND ND	ND ND	ND ND	ND ND	13 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
6/16/2014 West	_	lood	S	13:36	50.8	ND ND	ND ND	ND ND	ND ND	11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	13:18	43.2	ND ND	ND ND	ND ND	ND	12	ND ND	ND ND	ND ND	ND ND	ND ND	ND	No Exceedance
6/16/2014 West	: Fl	lood	В	13:34	84.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	13:15	76.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No Exceedance
6/17/2014 West 6/17/2014 West		Ebb Ebb	S B	8:49 8:47	98.8 74.4	ND ND	ND ND	3.1	ND ND	12 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	8:32 8:30	191 187 ⁴	ND ND	ND ND	ND 3.0	ND ND	12 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	Upcurrent TSS sample was 98.8 mg/L, 191 mg/L TSS is not an exceedance. Upcurrent TSS sample was 74.4 mg/L, 187 mg/L TSS is an exceedance.
6/17/2014 West		lood	S	12:52	30.8	ND	ND ND	ND	ND ND	11	ND ND	ND ND	ND	ND	ND	ND	12:37	32.4	ND ND	ND ND	3.3	ND	12	ND ND	ND	ND	ND ND	ND	ND	No Exceedance
6/17/2014 West		lood	В	12:50	44.8	ND	ND ND	3.0	ND	12	ND	ND ND	ND	ND	ND	ND	12:36	38.4	ND	ND	3.1	ND	13	ND	ND	ND ND	ND ND	ND	ND	No Exceedance
6/18/2014 West 6/18/2014 West	_	Ebb Ebb	S B	9:46 9:44	46.0 51.6	ND ND	ND ND	3.4	ND ND	10 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	9:32 9:30	49.6 49.6	ND ND	ND ND	3.4	ND ND	12 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No Exceedance No Exceedance
•	•		1									U U												U						

	1		1	1					Une	aurant fam	mlos ¹						1					Davin	current Sam	nnlos²						
					I _		1	1	Орс	current Sam	pies	Pí	СВ		l		 				1	DOWN	Lui rent san	ihiez	PC	СВ	- 1			-
					ded										g.	ene		ded							1			2	ene	
					ned:	Ę.	le le	per	2	2	242	1248	254	260	aler	pyr		ds ge	Ç.	kel	per	ஓ	2	1242	1248	254	260	aler	pyr	
					Sus	Aero	S S	go	Fe	Ž.	7	٠ -	or 1	٠. 1	듍	(a)		Sus	Nerc	Nicl	Cop	Ë	Zinc	or 1	or 1	or 1	P -	텵	.o(a)	
	Access		Sample		otal	_					20	200	20	20	Na Na	enz		<u>la</u>	_					roc	roc	roc	20	Z Z	enz	
Date 0	Channel	Tidal Cycle	Depth ³	Sample	ř						∢	∢	∢	∢		В	Sample Time	ř						∢	∢	٧	⋖		ш	Sample Status
6/19/2014	West	Flood	S	13:20	34.0	ND	ND	3.4	ND	10	ND	N	ND	ND	N	ND	13:02	28.4	ND	N	3.4	ND	N	ND	N	ND	N	ND	ND	No Exceedance
6/19/2014	West	Flood	В	13:18	38.4	ND	N	3.7	ND	12	ND	N	ND	ND	N	ND	13:00	30.4	ND	N	3.4	ND	13	ND	N	ND	N	ND	ND	No Exceedance
6/20/2014	West	Ebb	S	11:27	90.0	ND	N	3.3	ND	17	ND	N	ND	ND	N	ND	11:09	51.6	ND	N	3.1	ND	15	ND	N	ND	N	ND	ND	No Exceedance
6/20/2014	West	Ebb	В	11:25	62.0	ND	N	3.1	ND	16	ND	N	ND	ND	N	ND	11:07	68.4	ND	N	3.3	ND	15	ND	N	ND	N	ND	ND	No Exceedance
6/20/2014	West	Flood	S	15:57	33.6	ND	ND	ND	ND	14	ND	N	ND	ND	N	ND	16:09	34.8	ND	N	3.3	ND	17	ND	N	ND	N	ND	ND	No Exceedance
6/20/2014	West	Flood	В	15:56	56.0	ND	N	ND	ND	13	ND	N	ND	ND	N	ND	16:08	46.8	ND	N	3.3	ND	16	ND	N	ND	N	ND	ND	No Exceedance
6/21/2014	West	Ebb	S	10:16	22.4	ND	N	4.2	ND	16	ND	N	ND	ND	N	ND	9:58	23.6	ND	N	4.1	ND	12	ND	N	ND	N	ND	ND	No Exceedance
6/21/2014	West	Ebb	В	10:13	64.0	ND	N	4.0	ND	ND	ND	N	ND	ND	N	ND	9:57	27.5	ND	N	4.1	ND	13	ND	N	ND	N	ND	ND	No Exceedance
6/23/2014	West	Ebb	S	13:20	24.4	ND	N	3.9	ND	13	ND	N	ND	ND	N	ND	13:04	40.8	ND	N	4.0	ND	12	ND	N	ND	N	ND	ND	No Exceedance
	West	Ebb	В	13:18	26.4	ND	N	3.5	ND	12	ND	N	ND	ND	N	ND	13:03	60.4	ND	N	4.0	ND	15	ND	N	ND	N	ND	ND	
6/24/2014	West	Ebb	М	11:33	28.0	ND	N	ND	ND	13	ND	ND	ND	ND	N	ND	11:23	47.2	ND	N	ND	ND	16	ND	N		N	ND	ND	No Exceedance
6/25/2014	West	Flood	S	9:43	32.8	ND	ND	ND	ND	12	ND	N	ND	ND	N	ND	9:56	26.0	ND	N	ND	ND	12	ND	N	ND	N	ND	ND	No Exceedance
6/25/2014	West	Flood	В	9:42	34.0	ND	ND	ND	ND	12	ND	N	ND	ND	N	ND	9:55	35.6	ND	N	ND	ND	14	ND	N	ND	N	ND	ND	No Exceedance
6/25/2014	West	Ebb	М	12:22	23.6	ND	N	ND	ND	11	ND	ND	ND	ND	N	ND	12:09	61.2	ND	N	ND	ND	13	ND	N		N	ND	ND	
6/26/2014	West	Flood	М	7:45	34.4	ND	N	4.1	ND	12	ND	N	ND	ND	N	ND	7:57	56.4	ND	N	3.8	ND	11	ND	N	ND	N	ND	ND	No Exceedance
6/26/2014	West	Ebb	М	13:31	28.0	ND	N	4.3	ND	13	ND	N	ND	ND	N	ND	13:15	27.6	ND	N	4.1	ND	10	ND	N	ND	N	ND	ND	No Exceedance
6/27/2014	West	Flood	S	10:20	23.2	ND	ND	4.5	ND	16	ND	N	ND	ND	N	ND	10:36	28.4	ND	N	4.5	ND	14	ND	N	ND	N	ND	ND	No Exceedance
6/27/2014	West	Flood	В	10:19	32.4	ND	N	4.6	ND	15	ND	N	ND	ND	N	ND	10:34	28.8	ND	N	4.5	ND	13	ND	N	ND	N	ND	ND	No Exceedance
6/27/2014	West	Ebb	S	13:30	19.6	ND	N	4.5	ND	13	ND	N	ND	ND	N	ND	13:14	40.0	ND	N	4.5	ND	11	ND	N	ND	N	ND	ND	No Exceedance
6/27/2014	West	Ebb	В	13:29	21.6	ND	N	4.5	ND	ND	ND	N	ND	ND	N	ND	13:12	29.6	ND	N	4.5	ND	14	ND	N	ND	N	ND	ND	No Exceedance
6/28/2014	West	Flood	S	10:54	29.6	ND	ND	4.4	ND	11	ND	N	ND	ND	N	ND	10:32	28.0	ND	N	4.5	ND	11	ND	N	ND	N	ND	ND	No Exceedance
6/28/2014	West	Flood	В	10:52	30.0	ND	N	4.4	ND	11	ND	N	ND	ND	N	ND	10:30	212 ⁴	ND	N	4.5	ND	12	ND	N	ND	N	ND	ND	Upcurrent TSS sample was 30.0 mg/L, 212 mg/L TSS is an exceedance.
6/30/2014	West	Flood	S	12:51	32.5	ND	ND	ND	ND	11	ND	N	ND	ND	N	ND	13:09	31.6	ND	N	ND	ND	11	ND	N	ND	N	ND	ND	No Exceedance
6/30/2014	West	Flood	В	12:49	38.8	ND	N	ND	ND	10	ND	N	ND	ND	N	ND	13:08	31.2	ND	N	ND	ND	11	ND	N	ND	N	ND	ND	No Exceedance
6/30/2014	West	Ebb	S	15:39	24.0	ND	N	ND	ND	10	ND	N	ND	ND	N	ND	15:25	20.8	ND	N	ND	ND	11	ND	N	ND	N	ND	ND	No Exceedance
6/30/2014	West	Ebb	В	15:37	37.2	ND	N	ND	ND	12	ND	N	ND	ND	N	ND	15:23	22.8	ND	N	ND	ND	10	ND	N	ND	N	ND	ND	No Exceedance
7/1/2014	West	Ebb	М	9:08	20.4	ND	N	ND	ND	11	ND	N	ND	ND	N	ND	8:54	47.2	ND	N	ND	ND	11	ND	N	ND	N	ND	ND	No Exceedance
7/1/2014	West	Flood	S	11:27	35.2	ND	ND	ND	ND	11	ND	N	ND	ND	N	ND	11:09	27.2	ND	N	ND	ND	13	ND	N	ND	N	ND	ND	No Exceedance
7/1/2014	West	Flood	В	11:26	40.8	ND	ND	ND	ND	12	ND	N	ND	ND	N	ND	11:08	32.0	ND	N	ND	ND	11	ND	N	ND	N	ND	ND	No Exceedance
7/2/2014	West	Ebb	М	9:19	46.0	ND	N	3.1	ND	11	ND	N	ND	ND	ND⁵	ND ⁵	9:02	40.4	ND	N	3.0	ND	N	ND	N	ND	N	ND⁵	ND⁵	No Exceedance
7/2/2014	West	Flood	М	10:54	91.2	ND	N	3.3	ND	10	ND	N	ND	ND	ND⁵	ND⁵	11:10	57.2	ND	N	3.6	ND	11	ND	N	ND	N	ND⁵	ND⁵	No Exceedance
	West	Ebb	M	9:08	28.8	ND	N	3.3	ND	11	ND	N	ND	ND	N	ND	8:53	36.4	ND	N	3.3	ND	12	ND	N		N	ND	ND	
	West	Flood	M	11:02	31.2	ND	N	3.4	ND	15	ND	N	ND	ND	N	ND	11:18	38.0	ND	N	3.2	ND	14	ND	N		N	ND	ND	
	West	Ebb	S	9:01	18.8	ND	N	3.5	ND	ND	ND	N	ND	ND	N	ND	8:45	29.6	ND	N	3.5	ND	10	ND	N		N	ND	ND	
	West	Ebb	В	8:59	23.2	ND	N	3.4	ND	ND	ND	N	ND	ND	N	ND	8:43	42.4	ND	N	3.5	ND	11	ND	N		N	ND	ND	
	West	Flood	M	14:19	26.8	ND	N	3.8	ND	N	ND	N	ND	ND	N	ND ND	14:04	40.8	ND	N	3.5	ND ND	N	ND	N	ND	N	ND	ND ND	
	West	Ebb	M	10:41	19.6	ND	N	3.9	ND	11	ND	N	ND	ND	N	ND	10:29	30.0	ND	N	4.1	ND	12	ND	N		N	ND	ND	
	West	Flood	M	15:17	19.2	ND	N	3.8	ND ND	11	ND ND	N	ND	ND	N	ND	15:08	27.2	ND	N	3.9	ND ND	10	ND	N		N	ND	ND ND	
, , , ,	West	Flood	S	8:58	24.8	ND	ND	4.4	ND	12	ND	N	ND	ND	N	ND	8:41	56.8	ND	N	4.0	ND ND	12	ND	N		N	ND	ND ND	
	West	Flood	B	8:56	24.0	ND	N	4.4	ND ND	N N	ND ND	N	ND	ND	N	ND	8:39	60.0	ND	N	4.1	ND ND	12	ND	N		N	ND	ND ND	1 11111 11
	West	Ebb	M	11:28	31.2	ND	N	4.3	ND	11	ND	N	ND	ND	N	ND	11:12	34.0	ND	N	4.3	ND	11	ND	N		N	ND	ND	
	West	Flood	S	8:54	24.4	ND	ND	4.1	ND	N	ND	N	ND	ND	N	ND	8:38	28.8	ND	N	4.0	ND ND	N	ND	N		N	ND	ND	
1. 1.	West	Flood	B	8:52	29.6	ND	N	4.1	ND	11	ND	N	ND	ND	N	ND	8:36	29.6	ND	N	4.2	ND	10	ND	N		N	ND	ND	
	West	Fbb	S	10:52	30.4	ND	N	3.9	ND	14	ND	N	ND	ND	N	ND	10:37	32.0	ND	N	3.7	ND ND	11	ND	N		N	ND	ND ND	
	West	Ebb	В	10:51	23.2	ND	N	3.8	ND	11	ND	ND	ND	ND	N	ND	10:35	27.2	ND	N	3.6	ND	17	ND	N		N	ND	ND	
	West	Ebb	M	11:56	26.8	ND ND	N	3.7	ND	11	ND	ND	ND	ND	N	ND ND	11:39	29.6	ND ND	N	3.5	ND ND	10	ND	N		N	ND	ND ND	
	West	Flood	S	9:17	39.6	ND	ND ND	3.6	ND ND	11	ND ND	N N	ND	ND	N N	ND ND	9:02	46.4	ND ND	N	3.8	ND ND	11	ND	N N		N	ND ND	ND ND	
	West	Flood	B	9:16	42.8	ND	N N	3.8	ND ND	11	ND ND	N	ND	ND	N N	ND ND	9:00	127	ND ND	N	3.9	ND ND	13	ND	N N		N	ND ND	ND ND	1 11111 11
	West	Flood	ς .	9:26	44.0	ND	ND	3.3	ND ND	12	ND	N	ND	ND	N	ND	9:12	48.8	ND ND	N	3.7	ND ND	11	ND	N	ND ND	N	ND	ND ND	1 37 37
	West	Flood	B	9:24	62.0	ND	N N	4.0	ND ND	N N	ND ND	N N	ND	ND	N N	ND ND	9:10	48.8	ND ND	N	3.6	ND ND	13	ND	N N		N	ND ND	ND ND	
1/12/2014	AACSE	1 1000	D	J.24	02.0	NU	IN	4.0	טויו	IN	NU	IN	טאו	טוו	I N	שויו	5.10	40.0	שאו	IN	ال. ل	שויו	13	NU	IN	שוו	rN	שאו	שוו	140 Exceedance

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

 $^{^2}$ Samples collected at the edge of the 500 ft mixing zone $^3\,$ S = Near Surface, M = Mid-Depth, B = Near Bottom

⁵ Indicates that parameter was initially analyzed within the recommended hold time and that a re-run was performed outside of the hold time.

ND = Not Detected, sample value below detection limit based on the New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

Attachment 2

Summary of Pile Driving Water Quality Monitoring

									Unci	urrent Samı	nles ¹											Downcur	ront Same	nles²						T
				1	þe				Орс	urrent Sam	pies	Р	СВ			ē		p _e				Downcui	ent Jani	pies	PCB				96	-
					bued 1s	ri.	-	-	-	o	242	248	154	092	alene	pyre		b st	Ž,	Е	- Pe			242	248	554	097	alene	pyrei	
					Susp Solic	Nerci	Nick	Copt	Lea	Zin	lor 12	lor 12	0 71	0r 12	ph th	zo(a)		Sus	Merci	Nick	Sopp	Lea	Zi	lor 12	17 7	lor 12	lor 12	b E	zo(a)	
Date	Driving Method	Tidal Cycle	Sample Depth ³	Sample Time	[otal	_		-			Arocl	Aroc	Aroc	Aroc	Ra	Benz	Sample Time	otal	_					Aroc	Aroc	Aroc	Arocl	Sa.	Ben7	Sample Status
(mm/dd/yyyy)	(Vibratory or Impact)	(Flood or Ebb)	(S, M, B)	(24:00)	(mg/L)		L		L. L		(ppb)					l .	(24:00)	(mg/L)	Į.		l	l l	L	(ppb)					1	(Exceedances and other observations)
1/18/2014	Impact	Flood	S	12:07	29.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	13:15	28.8	ND	ND	ND	ND	15	ND		ND	ND	ND	ND	No exceedance
1/18/2014 1/18/2014	Impact Impact	Flood	M B	12:04 11:57	88.0 113	ND ND	ND ND	ND ND	ND ND	17 13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	13:12 13:09	38.8 65.6	ND ND	ND ND	ND ND	ND ND	15 13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance Upcurrent TSS Sample was 113 mg/L, 65 mg/L is not an exceedance.
1/18/2014	Impact	Ebb	S	15:11	20.8	ND ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	14:51	40.8	ND	ND	ND	ND ND	17	ND	ND	ND	ND	ND	ND ND	
1/18/2014	Impact	Ebb	М	15:09	35.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	14:47	35.6	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	No exceedance
1/18/2014	Impact	Ebb	В	15:06	42.8	ND	ND	4.5	ND	15	ND	ND	ND	ND	ND	ND	14:45	42.8	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	
1/20/2014	Impact	Flood Flood	S M	10:53 10:48	63.2 75.2	ND ND	ND ND	ND ND	ND ND	15 13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	11:13 11:09	67.6 71.6	ND ND	ND ND	ND ND	ND ND	13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
1/20/2014	Impact	Flood	В	10:45	80.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	11:06	82.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No exceedance
2/19/2014	Impact	Flood	S	12:49	16.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	12:27	85.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No exceedance
2/19/2014	Impact	Flood	М	12:45	62.8	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	12:20	96.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No exceedance
2/19/2014	Impact	Flood	B S	12:42 09:13	73.2 12.4	ND ND	ND ND	ND ND	ND ND	13 16	ND ND	ND ND	ND ND	ND ND	ND	ND ND	12:16 08:54	104 23.2	ND ND	ND ND	ND ND	ND ND	13 15	ND ND	ND ND	ND ND	ND ND	ND ND	ND	Upcurrent TSS Sample was 73.2 mg/L, 104 mg/L is not an exceedance.
2/20/2014	Impact	Ebb Ebb	M	09:13	17.6	ND ND	ND ND	ND ND	ND ND	19	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	08:54	29.6	ND ND	ND ND	ND ND	ND ND	15	ND ND	ND ND	ND	ND ND	ND ND	ND ND	No exceedance No exceedance
				1																										TSS considered not valid. See memo dated 2/28/2014. No exceedance in valid
2/20/2014	Impact	Ebb	В	09:06	44.4	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	08:47	NV	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	samples.
2/24/2014	Impact	Ebb	S	09:15	19.2	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	08:56	16.4	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	No exceedance
2/24/2014	Impact	Ebb	M	09:12	16.8	ND ND	ND ND	ND	ND ND	15	ND	ND	ND	ND ND	ND ND	ND	08:54	16.4	ND ND	ND	ND ND	ND ND	15	ND	ND ND	ND	ND	ND ND	ND	No exceedance
2/24/2014	Impact Vibratory	Ebb Flood	B S	09:10 10:13	21.2 75.2	ND ND	ND ND	ND ND	ND ND	16 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	08:51 09:40	19.6 102	ND ND	ND ND	ND ND	ND ND	19 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance Upcurrent TSS was 75.2 mg/L, 102 mg/L is not an exceedance
2/28/2014	Vibratory	Flood	M	10:15	103	ND ND	ND	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	09:28	132	ND ND	ND	ND ND	ND ND	ND	ND	ND	ND	ND	ND	ND ND	Upcurrent TSS was 103 mg/L, 132 mg/L is not an exceedance
2/28/2014	Vibratory	Flood	В	09:57	120	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	09:16	122	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	Upcurrent TSS was 120 mg/L, 122 mg/L is not an exceedance
3/1/2014	Impact	Ebb	S	12:55	34.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	12:30	28.0	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	No exceedance
3/1/2014	Impact	Ebb	M	12:53	35.2	ND ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	12:27	46.4	ND	ND	ND	ND ND	18	ND	ND	ND	ND	ND	ND	No exceedance
3/1/2014	Impact	Ebb Ebb	B S	12:47 15:05	44.4 12.4	ND ND	ND ND	ND ND	ND ND	17 14	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	12:24 14:46	52.0 13.6	ND ND	ND ND	ND ND	ND ND	18 17	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
3/10/2014	Impact	Ebb	M	15:03	10.8	ND ND	ND ND	ND ND	ND ND	17	ND ND	ND ND	ND ND	ND ND	ND ND	ND	14:43	16.8	ND ND	ND ND	ND ND		21	ND	ND	ND	ND ND	ND ND	ND ND	No exceedance
3/10/2014	Impact	Ebb	В	14:59	20.4	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	14:40	22.8	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND	No exceedance
3/10/2014	Impact	Flood	S	16:57	8.00	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	16:41	7.60	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No exceedance
3/10/2014	Impact	Flood	М	16:54	10.0	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	16:38	10.0	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	No exceedance
3/10/2014	Impact	Flood	B S	16:51	21.2	ND ND	ND	ND	ND	17	ND	ND ND	ND ND	ND ND	ND	ND	16:35	13.6	ND ND	ND ND	ND ND	ND ND	12	ND	ND ND	ND ND	ND	ND	ND	No exceedance
3/11/2014 3/11/2014	Impact	Flood Flood	M	8:42 8:38	7.20 13.2	ND ND	ND ND	ND ND	ND ND	12 19	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	08:23 08:21	11.2 12.8	ND ND	ND ND	ND ND	ND ND	13 21	ND ND	ND ND	ND	ND ND	ND ND	ND ND	No exceedance No exceedance
3/11/2014	Impact	Flood	В	8:35	17.6	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND	08:18	22.8	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	No exceedance
3/17/2014	Vibratory	Ebb	S	14:36	24.8	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	14:17	24.0	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	No exceedance
3/17/2014	Vibratory	Ebb	М	14:32	44.0	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	14:12	25.6	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	No exceedance
3/17/2014	Vibratory	Ebb	В	14:29	32.4	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	14:09	27.6	ND	ND	ND	ND ND	18	ND	ND	ND	ND	ND	ND	No exceedance
3/18/2014 3/18/2014	Impact	Ebb Ebb	M	16:20 16:15	10.8 16.4	ND ND	ND ND	ND ND	ND ND	12 14	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	15:57 15:53	15.6 14.0	ND ND	ND ND	ND ND	ND ND	14	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
3/18/2014	Impact	Ebb	В	16:11	34.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	15:50	21.6	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	No exceedance
3/19/2014	Impact	Ebb	S	8:46	13.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	08:19	39.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No exceedance
3/19/2014	Impact	Ebb	M	8:43	45.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	08:16	40.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No exceedance
3/19/2014 3/19/2014	Impact	Ebb Flood	B S	8:36 10:56	82.0 14.0	ND ND	ND ND	ND ND	ND ND	ND 13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	08:14 10:38	41.6 12.0	ND ND	ND ND	ND ND	ND ND	14	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
3/19/2014	Impact	Flood	M	10:51	34.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	10:33	28.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No exceedance
3/19/2014	Impact	Flood	В	10:48	123	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	10:30	50.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	Upcurrent TSS was 123 mg/L, 50 gm/L is not an exceedance.
3/25/2014	Impact	Flood	S	17:38	10.4	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	17:18	38.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	No exceedance
3/25/2014	Impact	Flood	M	17:34	16.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	17:14	17.6	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	No exceedance
3/25/2014 3/27/2014	Impact	Flood Flood	B S	17:29 9:13	52.0 11.6	ND ND	ND ND	ND 3.5	ND ND	17 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	17:11 08:55	119 10.8	ND ND	ND ND	ND 4.5	ND ND	19 ND	ND ND	ND ND	ND ND	ND ND	ND ND		Upcurrent TSS was 52.0 mg/L, 119 mg/L is not an exceedance No exceedance
3/27/2014	Impact	Flood	M	9:13	32.4	ND ND	ND ND	3.5	ND ND	14	ND	ND ND	ND ND	ND	ND ND	ND	08:52	23.6	ND ND	ND	3.2		13	ND		ND	ND	ND ND		No exceedance
3/27/2014	Impact	Flood	В	9:03	44.8	ND	ND	4.0	ND	14	ND	ND	ND	ND	ND	ND	08:49	32.0	ND	ND	3.8		11	ND		ND	ND	ND		No exceedance
3/27/2014	Impact	Ebb	S	10:57	11.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10:44	16.4	ND	ND	3.8	ND	10	ND		ND	ND	ND		No exceedance
3/27/2014	Impact	Ebb	M	10:54	26.8	ND	ND	ND 2.2	ND	13	ND	ND	ND	ND	ND	ND	10:41	26.4	ND	ND	ND		11	ND		ND	ND	ND	_	No exceedance
3/27/2014 4/3/2014	Impact	Ebb Ebb	B S	10:51 10:32	32.8 47.2	ND ND	ND ND	3.2 ND	ND ND	12 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	10:38 10:13	26.4 38.8	ND ND	ND ND	ND ND	ND ND	ND 13	ND ND		ND ND	ND ND	ND ND		No exceedance No exceedance
4/3/2014	Impact	Ebb	M	10:32	51.2	ND ND	ND ND	ND ND	ND ND	12	ND ND	ND ND	ND ND	ND ND	ND ND	ND	10:13	52	ND ND	ND ND	ND ND	ND ND	11	ND		ND	ND	ND ND	ND ND	
4/3/2014	Impact	Ebb	В	10:25	60.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	09:58	61.2	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	
4/3/2014	Impact	Flood	S	12:10	25.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	11:45	28.8	ND	ND	ND	ND	12	ND		ND	ND	ND		No exceedance
4/3/2014	Impact	Flood	M	12:07	32.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	11:42	34.4	ND ND	ND	ND	ND ND	ND	ND		ND	ND	ND	ND	
4/3/2014 4/4/2014	Impact Impact	Flood Ebb	B S	12:04 8:29	34.0 60.8	ND ND	ND ND	ND ND	ND ND	ND 10	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	11:39 8:11	42.4 76.8	ND ND	ND ND	ND ND	ND ND	ND 11	ND ND		ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
4/4/2014	Impact	Ebb	M	8:25	88.4	ND	ND	ND	ND ND	11	ND	ND	ND	ND	ND	ND	8:07	82.0	ND ND	ND	ND	ND ND	11	ND		ND	ND	ND	ND ND	
4/4/2014	Impact	Ebb	В	8:23	105	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	8:05	76.0	ND	ND	ND	ND	11	ND		ND	ND	ND		Upcurrent TSS was 105 mg/L, 76.0 mg/L is not an exceedance.
4/9/2014	Vibratory	Flood	S	8:29	9.20	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	8:12	6.00	ND	ND	ND	ND	11	ND		ND	ND	ND		No exceedance
4/9/2014	Vibratory	Flood	M	8:27	5.20	ND ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	_	4.40	ND	ND	ND	ND ND	13	ND		ND	ND	ND		No exceedance
4/9/2014 4/9/2014	Vibratory Vibratory	Flood Ebb	B S	8:24 9:13	5.60 8.80	ND ND	ND ND	ND ND	ND ND	23 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	8:06 8:53	12.0 10.4	ND ND	ND ND	ND ND		26 11	ND ND		ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
4/9/2014	Vibratory	Ebb	M	9:10	5.60	ND ND	ND ND	ND ND	ND ND	14	ND ND	ND ND	ND ND	ND ND	ND ND	ND	_	ND	ND ND	ND ND	ND ND		15	ND		ND	ND	ND ND		No exceedance
4/9/2014	Vibratory	Ebb	В	9:08	8.00	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	8:48	5.60	ND	ND	ND	ND	18	ND		ND	ND	ND	ND	
4/9/2014	Impact	Ebb	S	11:37	7.20	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND		10.8	ND	ND	ND		17	ND		ND	ND	ND	_	No exceedance
4/9/2014	Impact	Ebb	M	11:33	9.20	ND	ND	ND	ND	44	ND	ND	ND	ND	ND	ND	11:14	8.40	ND	ND	ND	ND	11	ND		ND	ND	ND	ND	
4/9/2014	Impact	Ebb	В	11:30 17:09	12.0 37.6	ND ND	ND ND	ND	ND ND	17	ND	ND	ND ND	ND ND	ND ND	ND ND	11:12	9.20	ND ND	ND ND	ND ND	ND ND	ND 14	ND ND		ND ND	ND	ND ND	ND	No exceedance No exceedance
4/14/2014 4/14/2014	Impact	Ebb Ebb	S M	17:09	45.6	ND ND		ND ND	ND ND	13 10	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	16:52 16:49	63.2 56.0	ND ND	ND ND	ND ND	ND ND	14	ND ND		ND ND	ND ND	ND ND		No exceedance No exceedance
., 1., 2017	Impact				.5.5		.,,_								,,,		10.75	30.0					1	.,_					,,,,	1

									Upcı	urrent Sam	ples ¹											Downci	ırrent Sam	ıples²						
					ded							P	СВ		. e	ene		ded							PC	В		e e	ene	
					spen	cury	ke	pper	ad	2	1242	1248	1254	1260	haler	a)pyr		spen	cury	kel	pper	ad	2	1242	1248	1254	1260	haler	a)pyr	
					Se So	Mer	Nic	8	ڌ	Ñ	oclor	octor	clor	oclor	łapht	nzo(i		So	Mer	ž	3	ا د	Z	oclor	oclor	oclor	clor	lapht)ozu	
Date	Driving Method	Tidal Cycle	Sample Depth ³	Sample Time	Þ						Ā	Arc	Ā	Arc		Be	Sample Time	5						Ā	Arc	Arc	Arc	_	Be	Sample Status
(mm/dd/yyyy) 4/14/2014	(Vibratory or Impact)	(Flood or Ebb) Ebb	(S, M, B) B	(24:00) 17:03	(mg/L) 134	ND	ND	ND	ND	ND	(ppb) ND	ND	ND	ND	ND	ND	(24:00) 16:46	(mg/L) 72.4	ND	ND	ND	ND	11	(ppb) ND	ND	ND	ND	ND	ND	(Exceedancesand other observations) Upcurrent TSS was 134 mg/L, 72.4 mg/L is not an exceedance
4/15/2014	Impact	Flood	S	8:35	59.6	ND	ND	ND	ND	13	ND ND	ND	ND	ND	ND ND	ND	8:51	61.2	ND	ND	ND ND	ND	12	ND	ND ND	ND	ND ND	ND	ND	No exceedance
4/15/2014	Impact	Flood	М	8:31	100	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	8:48	86.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	Upcurrent TSS was 100 mg/L, 86.8 mg/L is not an exceedance
4/15/2014	Impact	Flood	В	8:29	60.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	8:46	87.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No exceedance
4/16/2014 4/16/2014	Impact	Flood Flood	S M	10:27 10:24	98.8 126	ND ND	ND ND	ND ND	ND ND	10 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	10:47 10:43	106 127	ND ND	ND ND	ND ND	ND ND	11 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	Upcurrent TSS was 98.8 mg/L, 106 mg/L is not an exceedance Upcurrent TSS was 126 mg/L, 127 mg/L is not an exceedance
4/16/2014	Impact	Flood	В	10:22	166	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	10:41	150	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	Upcurrent TSS was 166 mg/L, 150 mg/L is not an exceedance
4/17/2014	Impact	Flood	S	12:45	62.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	12:28	67.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No exceedance
4/17/2014	Impact	Flood	M	12:42	86.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	12:25	69.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No exceedance
4/17/2014 4/21/2014	Impact Vibratory	Flood Ebb	B S	12:40 8:26	93.6 51.6	ND ND	ND ND	ND ND	ND ND	11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	12:23 8:03	75.6 59.2	ND ND	ND ND	ND ND	ND ND	13 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
4/21/2014	Vibratory	Ebb	M	8:23	91.2	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	8:01	58.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No exceedance
4/21/2014	Vibratory	Ebb	В	8:20	138	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND	7:59	59.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Upcurrent TSS was 138 mg/L, 59.2 mg/L is not an exceedance
4/22/2014	Impact	Flood	S M	14:36	45.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14:14	51.2	ND	ND	ND	ND ND	10	ND	ND	ND	ND	ND	ND	No exceedance
4/22/2014 4/22/2014	Impact	Flood Flood	B B	14:33 14:30	57.2 54.4	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	14:11 14:08	49.6 64.4	ND ND	ND ND	ND ND	ND ND	10 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
4/23/2014	Impact	Ebb	S	8:40	30.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	8:24	22.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No exceedance
4/23/2014	Impact	Ebb	М	8:37	22.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	8:21	22.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No exceedance
4/23/2014	Impact	Ebb	В	8:35	33.2	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND	8:19	32.8	ND	ND	4.2	ND ND	15	ND	ND	ND	ND	ND	ND	No exceedance
4/25/2014 4/25/2014	Impact	Flood Flood	S M	9:23 9:20	19.6 36.0	ND ND	ND ND	ND ND	ND ND	11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	9:08 9:05	24.4 93.6	ND ND	ND ND	ND 3.1	ND ND	13 14	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
4/25/2014	Impact	Flood	В	9:18	68.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	9:04	112	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	Upcurrent TSS was 68.0 mg/L, 112 mg/L is not an exceedance
4/25/2014	Impact	Ebb	S	11:12	28.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	12:52	28.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No exceedance
4/25/2014	Impact	Ebb Ebb	M B	11:09 11:07	22.4 36.4	ND ND	ND ND	ND ND	ND ND	14	ND	ND ND	ND ND	ND ND	ND ND	ND ND	12:50 12:48	28.8 40.0	ND ND	ND ND	ND ND	ND ND	ND 13	ND ND	ND ND	ND ND	ND ND	ND	ND ND	No exceedance
4/25/2014 4/26/2014	Impact Vibratory	Flood	S	10:38	15.6	ND ND	ND	ND	ND ND	14 11	ND ND	ND	ND	ND ND	ND ND	ND ND	10:12	19.6	ND ND	ND	ND ND	ND	12	ND	ND ND	ND	ND	ND ND	ND	No exceedance No exceedance
4/26/2014	Vibratory	Flood	М	10:35	30.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	10:08	55.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	No exceedance
4/26/2014	Vibratory	Flood	В	10:31	39.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	10:04	71.6	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	No exceedance
4/26/2014	Vibratory	Ebb Ebb	S M	11:17 11:14	16.8 15.6	ND ND	ND ND	ND ND	ND ND	11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	11:39 11:35	25.2 17.2	ND ND	ND ND	ND ND	ND ND	ND 13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance
4/26/2014 4/26/2014	Vibratory Vibratory	Ebb	B	11:14	44.8	ND ND	ND	3.5	ND ND	15	ND ND	ND	ND	ND ND	ND ND	ND ND	11:35	31.6	ND	ND	ND ND	ND ND	13	ND	ND ND	ND ND	ND ND	ND ND	ND	No exceedance No exceedance
4/28/2014	Vibratory	Ebb	S	14:16	26.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	13:53	28.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No exceedance
4/28/2014	Vibratory	Ebb	M	14:13	28.4	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	13:51	34.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No exceedance
4/28/2014 5/2/2014	Vibratory	Ebb Ebb	B S	14:11 8:56	36.0 86.0	ND ND	ND ND	ND ND	ND ND	12 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	13:49 8:38	61.2 88.0	ND ND	ND ND	3.0 ND	ND ND	14 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
5/2/2014	Impact	Ebb	M	8:53	130	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	8:35	110	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	Upcurrent TSS was 130 mg/L, 110 mg/L is not an exceedance
5/2/2014	Impact	Ebb	В	8:50	213	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8:33	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Upcurrent TSS was 213 mg/L, 120 mg/L is not an exceedance
5/2/2014	Impact	Flood	S	11:03	35.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10:45	47.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No exceedance
5/2/2014 5/2/2014	Impact	Flood Flood	M B	11:00 10:57	51.2 56.8	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	10:42 10:40	54.4 54.8	ND ND	ND ND	ND ND	ND ND	11 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
5/7/2014	Vibratory	Flood	S	16:34	15.2	ND	ND	3.4	ND	12	ND	ND	ND	ND	ND	ND	16:19	13.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	No exceedance
5/7/2014	Vibratory	Flood	М	16:32	14.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	16:16	16.0	ND	ND	3.2	ND	20	ND	ND	ND	ND	ND	ND	No exceedance
5/7/2014 5/8/2014	Vibratory Vibratory	Flood Ebb	B	16:29 11:09	150 8.80	ND ND	ND ND	ND ND	ND ND	14 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	16:14 10:51	107 8.00	ND ND	ND ND	ND 3.7	ND ND	14 13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	Upcurrent TSS was 150 mg/L, 107 mg/L is not an exceedance
5/8/2014	Vibratory	Ebb	M	11:05	6.80	ND ND	ND	3.3	ND ND	10	ND ND	ND	ND	ND ND	ND ND	ND ND	10:31	6.80	ND	ND	3.7	ND ND	12	ND	ND ND	ND ND	ND ND	ND ND	ND	No exceedance No exceedance
5/8/2014	Vibratory	Ebb	В	11:03	13.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	10:46	20.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No exceedance
5/12/2014	Vibratory	Flood	S	8:34	16.4	ND	ND	3.1	ND	11	ND	ND	ND	ND	ND	ND	8:17	18.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No exceedance
5/12/2014 5/12/2014	Vibratory Vibratory	Flood Flood	M B	8:32 8:28	45.6 89.2	ND ND	ND ND	ND ND	ND ND	13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	8:15 8:12	84.0 222 ⁴	ND ND	ND ND	ND ND	ND ND	12 16	ND ND	ND ND	ND ND	ND ND	ND ND	ND	No exceedance Upcurrent TSS was 89.2 mg/L, 222 mg/L is an exceedance
5/12/2014	Impact	Flood	S	9:10	16.8	ND	ND	3.1	ND	11	ND	ND	ND	ND	ND	ND	8:52	14.4	ND	ND	ND	ND	16	ND	ND	ND	ND	ND		No exceedance
5/12/2014	Impact	Flood	М	9:08	44.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	8:49	40.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND		No exceedance
5/12/2014	Impact Impact	Flood Ebb	B S	9:05 12:07	29.6	ND ND	ND ND	ND	ND ND	12 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	8:46	87.6	ND ND	ND ND	ND 2.2	ND ND	12	ND ND	ND ND	ND ND	ND	ND ND	ND	
5/12/2014 5/12/2014	Impact	Ebb	M	12:07	19.6 32.4	ND ND	ND ND	ND ND	ND ND	ND 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	11:50 11:48	14.4 25.2	ND ND	ND ND	3.3 ND	ND ND	11 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
5/12/2014	Impact	Ebb	В	12:01	39.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	11:46	41.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	
5/13/2014	Vibratory	Ebb	S	12:55	22.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	12:40	18.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No exceedance
5/13/2014 5/13/2014	Vibratory Vibratory	Ebb Ebb	M B	12:53 12:51	45.2 135	ND ND	ND ND	ND ND	ND ND	12 15	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	12:37 12:35	28.0 59.0	ND ND	ND ND	ND ND	ND ND	17 13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	
5/14/2014	Impact	Flood	S	8:59	24.4	ND ND	ND	ND	ND ND	13	ND ND	ND	ND	ND ND	ND ND	ND ND	8:38	26.0	ND ND	ND	ND ND	ND ND	11	ND	ND ND	ND	ND	ND ND	ND	No exceedance
5/14/2014	Impact	Flood	М	8:54	36.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	8:35	41.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	
5/14/2014	Impact	Flood	В	8:52	52.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	8:33	72.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND		No exceedance
5/15/2014 5/15/2014	Impact	Flood Flood	S M	8:43 8:40	17.6 26.0	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	8:26 8:24	19.6 29.2	ND ND	ND ND	ND ND	ND ND	10 10	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
5/15/2014	Impact	Flood	B	8:38	47.6	ND ND	ND	ND	ND ND	10	ND ND	ND	ND	ND	ND	ND ND	8:21	34.0	ND ND	ND	ND	ND	11	ND	ND ND	ND	ND	ND		No exceedance
5/19/2014	Vibratory	Ebb	S	19:44	20.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	19:25	26.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	
5/19/2014	Vibratory	Ebb	M	19:40	56.0	ND ND	ND ND	3.3	ND ND	12	ND ND	ND	ND ND	ND ND	ND ND	ND ND	19:22	36.8	ND ND	ND	3.0	ND ND	11	ND	ND ND	ND	ND	ND ND	ND	
5/19/2014 5/22/2014	Vibratory	Ebb Flood	B S	19:36 15:48	108 34.4	ND ND	ND ND	3.1 ND	ND ND	11 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	19:20 15:32	41.6 46.0	ND ND	ND ND	3.6 ND	ND ND	12 10	ND ND	ND ND	ND ND	ND ND	ND ND		Upcurrent TSS was 108 mg/L, 41.6 mg/L is not an exceedance. No exceedance
5/22/2014	Vibratory	Flood	M	15:46	44.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	15:30	60.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No exceedance
5/22/2014	Vibratory	Flood	В	15:44	146	ND	ND	3.4	ND	12	ND	ND	ND	ND	ND	ND	15:28	91.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND		Upcurrent TSS was 146 mg/L, 91.6 mg/L is not an exceedance
5/23/2014	Impact	Flood	S M	8:05	14.4	ND ND	ND ND	3.3	ND ND	11	ND ND	ND	ND ND	ND ND	ND ND	ND ND	7:52	17.2	ND ND	ND	ND 2.2	ND ND	11	ND	ND ND	ND	ND	ND ND	ND	
5/23/2014 5/23/2014	Impact Impact	Flood Flood	M B	8:04 8:02	32.0 51.2	ND ND	ND ND	ND 3.2	ND ND	12 15	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	7:51 7:49	26.0 50.0	ND ND	ND ND	3.3 ND	ND ND	11 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
5/23/2014	Impact	Ebb	S	9:57	16.0	ND	ND	3.2	ND	11	ND	ND	ND	ND	ND	ND	9:39	16.4	ND	ND	3.8	ND	11	ND	ND	ND	ND	ND	ND	
5/23/2014	Impact	Ebb	M	9:55	28.8	ND	ND	3.2	ND	13	ND	ND	ND	ND	ND	ND	9:37	29.6	ND	ND	3.1	ND	12	ND	ND	ND	ND	ND	ND	No exceedance

			· · · · · · · · · · · · · · · · · · ·														1													
							1	1	Upcı	urrent Sam	ples ¹	В	СВ		ı	1 0	<u> </u>	- T			ı	Downo	current Sam	ples ²	PCB					_
					andec .	>	_	_			5	φ -			ene	vrene		andec	>	_	L.		-	7	φ PCB	4	•	ene	rene	
					uspe	ərcur	icke	eddc	-ead	Zinc	r124	r124	r125	r126	thal	(a)p)		uspe	ərcur	icke	eddo	ead	Zinc	r 124	r124	r 125	r 126	ıthal	(a)p)	
			,		Sals	Š	z	ō	-		roclo	roclo	ogo	opo	Napl	enzo		S	Š	z	ō	_		oclo	roclo	oclo	roclo	Napl	enzo	
Date (mm/dd/yyyy)	Driving Method (Vibratory or Impact)	(Flood or Ebb)	Sample Depth ³ (S. M. B)	Sample Time (24:00)	(mg/L)						(ppb)	∢	∢	∢		ш ш	Sample Time (24:00)	(mg/L)						∢ (ppb)	∢	∢	∢			Sample Status (Exceedances and other observations)
5/23/2014	Impact	Ebb	(3, W, B)	9:53	39.6	ND	ND	3.2	ND	14	ND	ND	ND	ND	ND	ND	9:36	38.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No exceedance
5/27/2014	Vibratory	Ebb	S	13:10	26.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12:58	28.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No exceedance
5/27/2014	Vibratory	Ebb	В	13:08	38.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12:55	33.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No exceedance
5/28/2014 5/28/2014	Impact Impact	Flood	S B	9:20 9:18	20.4 65.6	ND ND	ND ND	3.4	ND ND	11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	9:05 9:03	30.0 47.6	ND ND	ND ND	ND 3.3	ND ND	10 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
5/29/2014	Impact	Flood	S	9:29	30.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND	9:15	30.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No exceedance
5/29/2014	Impact	Flood	В	9:25	47.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	9:12	51.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No exceedance
6/2/2014	Impact	Ebb	S	9:40	24.8	ND	ND	3.0	ND	11	ND	ND	ND	ND	ND	ND	9:26	30.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	
6/2/2014	Impact	Ebb	В	9:37	34.0	ND	ND	ND	ND ND	14	ND	ND	ND ND	ND	ND ND	ND	9:23	42.8	ND ND	ND	ND ND	ND ND	ND	ND ND	ND	ND	ND	ND	ND	No exceedance
6/2/2014	Impact Impact	Flood Flood	S B	12:02 11:59	12.4 22.0	ND ND	ND ND	3.1 ND	ND ND	11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	11:46 11:44	13.2 23.6	ND ND	ND ND	ND ND	ND ND	ND 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
6/3/2014	Impact	Ebb	S	9:35	30.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	9:23	26.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	No exceedance
6/3/2014	Impact	Ebb	В	9:33	39.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	9:20	66.4	ND	ND	3.1	ND	12	ND	ND	ND	ND	ND	ND	No exceedance
6/4/2014	Vibratory	Flood	S	15:18	7.20	ND	ND	3.3	ND	14	ND	ND	ND	ND	ND	ND	15:03	9.60	ND	ND	3.4	ND	11	ND	ND	ND	ND	ND	ND	No exceedance
6/4/2014 6/5/2014	Vibratory	Flood Flood	B S	15:16 13:50	195 10.4	ND ND	ND ND	ND 3.0	ND ND	14	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	15:01 13:34	20.0 10.4	ND ND	ND ND	ND 3.1	ND ND	10 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	Upcurrent TSS was 195 mg/L, 20.0 mg/L is not an exceedance No exceedance
6/5/2014	Impact	Flood	B	13:46	215	ND ND	ND	3.4	ND ND	12	ND ND	ND ND	ND	ND ND	ND ND	ND ND	13:31	15.6	ND	ND	3.5	ND	12	ND	ND	ND	ND	ND ND	ND	
6/9/2014	Vibratory	Ebb	S	15:51	10.4	ND	ND	3.8	ND	12	ND	ND	ND	ND	ND	ND	15:36	8.00	ND	ND	3.4	ND	12	ND	ND	ND	ND	ND	ND	
6/9/2014	Vibratory	Ebb	M	15:48	10.8	ND	ND	3.1	ND	12	ND	ND	ND	ND	ND	ND	15:34	8.80	ND	ND	3.4	ND	12	ND	ND	ND	ND	ND	ND	No exceedance
6/9/2014 6/11/2014	Vibratory	Ebb	B	15:46 10:48	19.2 10.4	ND ND	ND ND	ND ND	ND ND	13 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	15:32 10:32	14.4 10.8	ND ND	ND ND	ND ND	ND ND	15	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	
6/11/2014	Impact Impact	Flood Flood	S M	10:48	30.8	ND ND	ND ND	ND ND	ND ND	13	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	10:32	20.8	ND ND	ND ND	ND ND	ND ND	12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
6/11/2014	Impact	Flood	В	10:43	51.6	ND	ND	ND	ND ND	13	ND	ND	ND	ND	ND	ND ND	10:27	24.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND ND	ND	
6/11/2014	Impact	Ebb	S	14:02	12.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	13:51	33.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No exceedance
6/11/2014	Impact	Ebb	В	14:00	34.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	13:49	27.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	No exceedance
6/11/2014 6/11/2014	Impact Impact	Flood Flood	S B	17:43 17:40	15.6 18.4	ND ND	ND ND	ND ND	ND ND	12 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	17:32 17:31	15.6 15.6	ND ND	ND ND	ND ND	ND ND	18 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
6/13/2014	Impact	Flood	S	8:30	54.8	ND	ND	ND	ND	11	ND	ND	ND	ND ND	ND ND	ND	8:20	26.8	ND	ND	ND ND	ND	12	ND ND	ND	ND	ND	ND	ND	No exceedance
6/13/2014	Impact	Flood	В	8:28	16.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	8:18	64.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	No exceedance
6/17/2014	Impact	Ebb	S	11:03	34.0	ND	ND	3.4	ND	14	ND	ND	ND	ND	ND	ND	10:49	29.6	ND	ND	3.0	ND	11	ND	ND	ND	ND	ND	ND	No exceedance
6/17/2014	Impact	Ebb	M	11:02	44.0	ND	ND	3.4	ND	11	ND	ND	ND	ND	ND	ND	10:47	43.2	ND	ND	3.0	ND	ND 12	ND	ND	ND	ND	ND	ND	No exceedance
6/17/2014	Impact Impact	Ebb Flood	B S	11:00 11:41	43.6 19.2	ND ND	ND ND	3.6 3.5	ND ND	11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	10:46 11:27	50.5 25.6	ND ND	ND ND	ND 3.2	ND ND	12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
6/17/2014	Impact	Flood	M	11:39	26.8	ND	ND	3.5	ND	12	ND	ND	ND	ND	ND	ND	11:26	39.2	ND	ND	3.1	ND	13	ND	ND	ND	ND	ND	ND	No exceedance
6/17/2014	Impact	Flood	В	11:37	52.8	ND	ND	3.0	ND	12	ND	ND	ND	ND	ND	ND	11:24	41.6	ND	ND	3.3	ND	16	ND	ND	ND	ND	ND	ND	No exceedance
6/26/2014	Impact	Flood	S	10:12	19.2	ND	ND	3.9	ND	12	ND	ND	ND	ND	ND	ND	9:52	20.8	ND	ND	3.5	ND	12	ND	ND	ND	ND	ND	ND	No exceedance
6/26/2014 6/26/2014	Impact Impact	Flood Flood	M B	10:10 10:08	38.4 62.8	ND ND	ND ND	3.5 4.0	ND ND	13 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	9:49 9:47	36.0 46.0	ND ND	ND ND	3.5 3.7	ND ND	11 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance
6/26/2014	Impact	Ebb	S	12:50	14.0	ND	ND	4.0	ND	12	ND	ND	ND	ND	ND	ND	12:35	16.8	ND	ND	4.1	ND	13	ND	ND	ND	ND	ND	ND	110 01100000000000000000000000000000000
6/26/2014	Impact	Ebb	М	12:48	19.2	ND	ND	3.9	ND	14	ND	ND	ND	ND	ND	ND	12:32	26.0	ND	ND	3.6	ND	13	ND	ND	ND	ND	ND	ND	No exceedance
6/26/2014	Impact	Ebb	В	12:45	33.2	ND	ND	3.2	ND	12	ND	ND	ND	ND	ND	ND	12:30	33.2	ND	ND	3.3	ND	14	ND	ND	ND	ND	ND	ND	No exceedance
6/30/2014 6/30/2014	Vibratory Vibratory	Flood	S M	14:55 14:53	11.6 21.6	ND ND	ND ND	ND ND	ND ND	ND 12	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	14:36 14:33	13.2 21.2	ND ND	ND ND	ND ND	ND ND	11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
6/30/2014	Vibratory	Flood	B	14:50	33.2	ND ND	ND	ND ND	ND ND	11	ND	ND ND	ND ND	ND ND	ND ND	ND ND	14:30	37.2	ND	ND ND	ND ND	ND	13	ND ND	ND	ND	ND	ND ND	ND	No exceedance
7/8/2014	Impact	Flood	S	16:52	11.2	ND	ND	3.9	ND	12	ND	ND	ND	ND	ND	ND	16:40	12.8	ND	ND	3.9	ND	11	ND	ND	ND	ND	ND	ND	
7/8/2014	Impact	Flood	М	16:50	22.8	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	16:38	15.2	ND	ND	3.8	ND	12	ND	ND	ND	ND	ND	ND	No exceedance
7/8/2014	Impact	Flood	В	16:49	11.2	ND ND	ND	ND 4.2	ND ND	14	ND ND	ND	ND ND	ND ND	ND ND	ND ND	16:36	66.8	ND ND	ND	ND ND	ND ND	12	ND ND	ND ND	ND	ND	ND ND	ND	No exceedance
7/9/2014 7/9/2014	Impact Impact	Flood Flood	S M	8:12 8:10	12.4 23.6	ND ND	ND ND	4.2 ND	ND ND	11 14	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	7:55 7:53	41.5 92.8	ND ND	ND ND	ND ND	ND ND	13 16	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	No exceedance No exceedance
7/9/2014	Impact	Flood	B	8:08	98.0	ND ND	ND	ND ND	ND ND	14	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	7:50	14.0	ND	ND	4.0	ND ND	14	ND ND	ND	ND	ND	ND ND	ND	
7/14/2014	Vibratory	Flood	S	13:40	31.6	ND	ND	3.0	ND	11	ND	ND	ND	ND	ND	ND	13:21	39.2	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	No Exceedance
7/14/2014	Vibratory	Flood	M	13:38	53.6	ND	ND	3.2	ND	11	ND	ND	ND	ND	ND	ND	13:19	49.6	ND	ND	3.2	ND	11	ND	ND	ND	ND	ND		No Exceedance
7/14/2014 7/16/2014	Vibratory	Flood Ebb	B S	13:35 17:11	72.8 24.4	ND ND	ND ND	3.4 4.3	ND ND	ND 11	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	13:17 17:24	66.4 24.0	ND ND	ND ND	3.3 4.7	ND ND	12	ND ND	ND ND	ND ND	ND ND	ND ND	ND	No Exceedance No Exceedance
7/16/2014	Impact	Ebb	S M	17:11	20.0	ND ND	ND ND	3.9	ND ND	11	ND ND	ND ND	ND ND	ND ND	ND	ND ND	17:24	28.4	ND ND	ND ND	6.5 ⁴	ND ND	25	ND ND	ND ND	ND	ND ND	ND ND	ND ND	
7/16/2014	Impact	Ebb	В	17:07	27.2	ND	ND	4.0	ND	11	ND	ND	ND	ND	ND	ND	17:20	28.0	ND	ND	4.0	ND	ND ND	ND	ND	ND	ND	ND		No Exceedance
7/17/2014	Vibratory	Flood	S	16:33	25.6	ND	ND	4.3	ND	11	ND	ND	ND	ND	ND	ND	16:15	38.0	ND	ND	4.4	ND	11	ND	ND	ND	ND	ND		No Exceedance
7/17/2014	Vibratory	Flood	M	16:31	48.4	ND	ND	4.3	ND	11	ND	ND	ND	ND	ND	ND	16:13	45.6	ND	ND	4.4	ND	11	ND	ND	ND	ND	ND		No Exceedance
7/17/2014	Vibratory	Flood	B	16:28 15:16	68.0 7.80	ND ND	ND ND	4.2 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	16:09 15:04	53.6 12.4	ND ND	ND ND	4.4 ND	ND ND	12 6.9	ND ND	ND ND	ND ND	ND ND	ND ND		No Exceedance No Exceedance
7/22/2014 7/22/2014	Impact Impact	Ebb Ebb	S M	15:16	7.80 14.4	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	15:04	10.6	ND ND	ND ND	ND ND	ND ND	6.9 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	
7/22/2014	Impact	Ebb	В	15:12	16.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15:00	8.80	ND	ND	ND	ND	12	ND	ND	ND	ND	ND		No Exceedance
7/22/2014	Impact	Flood	S	16:11	7.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15:59	6.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		No Exceedance
7/22/2014	Impact	Flood	M	16:09	9.80	ND	ND	ND	ND ND	ND 10	ND	ND	ND ND	ND	ND	ND	15:57	9.00	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	
7/22/2014 7/28/2014	Impact Vibratory	Flood Ebb	B S	16:07 14:54	15.6 4	ND ND	ND ND	ND ND	ND ND	10 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	15:56 14:38	15.8 6.4	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND		No Exceedance No Exceedance
7/28/2014	Vibratory	Ebb	M	14:54	9.2	ND ND	ND	ND ND	ND ND	5	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	14:35	11.0	ND	ND	ND ND	1.7	ND	ND ND	ND	ND	ND	ND	ND	
7/28/2014	Vibratory	Ebb	В	14:49	15.8	ND	ND	ND	ND	6.3	ND	ND	ND	ND	ND	ND	14:32	14.4	ND	ND	ND	ND	6.5	ND	ND	ND	ND	ND		No Exceedance
7/30/2014	Impact	Flood	S	11:17	8.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11:01	8.8	ND	ND	ND	ND	5.8	ND	ND	ND	ND	ND		No Exceedance
7/30/2014	Impact	Flood	M	11:14	16	ND ND	ND	ND ND	ND ND	6	ND	ND	ND ND	ND ND	ND ND	ND ND	10:58	12.6	ND ND	ND	ND ND	ND ND	6.1	ND ND	ND ND	ND	ND	ND 0.04		No Exceedance
7/30/2014 7/31/2014	Impact Vibratory	Flood Flood	B S	11:12 12:24	34 6.6	ND ND	ND ND	ND ND	ND ND	6.2	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	10:56 12:42	116.8 7.4	ND ND	ND ND	ND 2.5	ND ND	6.5 12	ND ND	ND ND	ND ND	ND ND	0.04 ND	ND ND	Upcurrent TSS was 34 mg/L, 116.8 mg/L is not an exceedance. No Exceedance
7/31/2014	Vibratory	Flood	M	12:21	16.2	ND	ND	ND	7.0	11	ND	ND	ND	ND	ND	ND	12:42	16.6	ND	ND	ND	ND	9.7	ND	ND	ND	ND	ND		No Exceedance
7/31/2014	Vibratory	Flood	В	12:19	68.8	ND	ND	2.3	ND	11	ND	ND	ND	ND	ND	ND	12:37	78.4	ND	ND	2.3	1.7	10	ND	ND	ND	ND	ND		No Exceedance

TAPPAN ZEE CONSTRUCTORS, LLC

											Upcurrent	:												Downcurre	nt						
						9								P			9		9							-	c		1	9	
						ende		-	ъ	_		4	84	- 2	9	ene	yrer		ende	≧	<u></u>	a	l _		54	84	22	8	ene	yrer	
						Susp	ercı	Š	ddo	Leac	Zinc	r12	r12	r12	r12	H H)(a)		Susp	121	호	ddo	Leac	Zinc	r12	r12	r12	r12	Ht Pa	(a)	
						ag o	Σ	_	0			90) 00:	900	90	Nap	enzo		als	Σ	_	0			950	950	900	90	Nap	enzc	
Dat	_	Driving Method	Tidal Cycle	Sample Depth ³	Sample Time	P						₹ .	₹	₹	₹		ω	Sample Tim	e <u>P</u>						₹ .	₹	₹	₹	l	m	
(mm/dd/yyyy)	_	(Vibratory or Impact)	(Flood or Ebb)	(S, M, B)	(24:00)	(mg/L)			1			(1				1	(24:00)	(mg/L)						1					1	(Exceedances and other observations)
8/7/2014	_	Impact	Ebb	S	10:50	6	N	ND	N	N	ND	N	N	ND	N	ND	N			_	+	ND	N	N	ND	N	N	ND	N		No Exceedance
8/7/2014	_	Impact	Ebb	М	10:48	5.	N	ND	N	N	ND	N	N	ND	N	ND	0.1		5.3		N	ND	N	6.	ND	N	N	ND	N	N	Upcurrent Benzo(a)Pyrene was 0.1 ppb, ND is not an exceedance.
8/7/2014	_	Impact	Ebb	В	10:46	13.5	N	ND	N	N	7.0	N	N	ND	N	ND	0.2	10:28	9	N	N	ND	N	9.	ND	N	N	ND	N		Upcurrent Benzo(a)Pyrene was 0.2 ppb, ND is not an exceedance.
8/9/2014		Vibratory	Flood	S	9:22	10.2	N	ND	N	N	6.7	N	N	ND	N	ND	0.15	8:57	24.8	N	N	ND	1.	N	ND	N	N	ND	N	0.15	Upcurrent Benzo(a)Pyrene was 0.1 ppb, 0.1 ppb is not an exceedance.
8/9/2014		Vibratory	Flood	М	9:20	25.2	N	ND	N	N	6.9	N	N	ND	N	ND	0.15	8:55	33.8	N	N	ND	1.	N	ND	N	N	ND	N	0.15	Upcurrent Benzo(a)Pyrene was 0.1 ppb, 0.1 ppb is not an exceedance.
8/9/2014		Vibratory	Flood	В	9:17	76.4	N	ND	N	N	6.8	N	N	ND	N	ND	0.15	8:53	96	N	N	ND	N	N	ND	N	N	ND	N	N	Upcurrent Benzo(a)Pyrene was 0.1 ppb, ND is not an exceedance.
8/11/2014		Vibratory	Ebb	S	15:06	10.4	N	ND	N	N	ND	N	N	ND	N	ND	N	14:51	11.6	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/11/2014		Vibratory	Ebb	М	15:04	11.2	N	ND	N	N	ND	N	N	ND	N	ND	N	14:49	25.6	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/11/2014		Vibratory	Ebb	В	15:02	22.6	N	ND	N	N	ND	N	N	ND	N	ND	N	14:46	45.4	N	N	ND	N	10	ND	N	N	ND	N	N	No Exceedance
8/12/2014		Impact	Flood	S	12:47	20.4	N	ND	N	N	ND	N	N	ND	N	ND	N	12:20	47.6	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/12/2014		Impact	Flood	М	12:44	47.6	N	ND	N	N	ND	N	N	ND	N	ND	N	12:18	97.2	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/12/2014		Impact	Flood	В	12:40	132	N	ND	N	N	ND	N	N	ND	N	ND	N	12:16	127	N	N	ND	N	N	ND	N	N	ND	N	N	Upcurrent TSS was 132 mg/L, 127 mg/L is not an exceedance.
8/13/2014		Impact	Ebb	S	8:46	25.4	N	ND	N	N	ND	N	N	ND	N	ND	N	8:29	55.2	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/13/2014		Impact	Ebb	M	8:44	29.6	N	ND	N	N	ND	N	N	ND	N	ND	N	8:27	71.2	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/13/2014		Impact	Ebb	В	8:41	42.4	N	ND	N	N	ND	N	N	ND	N	ND	N	8:25	78	N	N	6.9 ⁴	6.	N	ND	N	N	ND	N	N	Upcurrent Copper sample was ND, 6.9 ppb is an exceedance.
8/14/2014	_	Vibratory	Flood	S	13:23	13.8	N	ND	N	N	ND	N	N	ND	N	ND	N	13:10	51	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/14/2014		Vibratory	Flood	В	13:21	148	N	ND	N	N	ND	N	N	ND	N	ND	N	13:08	72	N	N	ND	N	N	ND	N	N	ND	N	N	Upcurrent TSS was 148 mg/L, 72 mg/L is not an exceedance.
8/19/2014		Impact	Flood	S	15:26	25	N	ND	N	N	ND	N	N	ND	N	ND	N	15:13	9.2	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/19/2014		Impact	Flood	M	15:24	4.	N	ND	N	N	ND	N	N	ND	N	ND	N	15:11	5.6	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/19/2014		Impact	Flood	В	15:22	5.	N	ND	N	N	ND	N	N	ND	N	ND	N	15:09	5	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/20/2014		Impact	Ebb	S	10:14	4.	N	ND	N	N	ND	N	N	ND	N	ND	N	9:59	5.4	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/20/2014		Impact	Ebb	M	10:12	6.	N	ND	N	N	ND	N	N	ND	N	ND	N	9:57	6.6	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/20/2014		Impact	Ebb	В	10:11	21.6	N	ND	N	N	ND	N	N	ND	N	ND	N	9:55	12.2	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/21/2014		Impact	Flood	S	9:32	4.	N	ND	N	N	ND	N	N	ND	N	ND	N	9:16	4.2	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/21/2014		Impact	Flood	M	9:30	6.	N	ND	N	N	ND	N	N	ND	N	ND	N	9:14	ND	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/21/2014		Impact	Flood	В	9:28	14.4	N	ND	N	N	ND	N	N	ND	N	ND	N	9:12	9	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/25/2014		Impact	Ebb	S	13:30	4.	N	ND	3.	N	ND	N	N	ND	N	ND	N	13:12	ND	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/25/2014		Impact	Ebb	М	13:26	N	N	ND	N	N	ND	N	N	ND	N	ND	N	13:09	5.6	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/25/2014		Impact	Ebb	В	13:24	6.	N	ND	N	N	ND	N	N	ND	N	ND	N	13:07	4.8	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/27/2014		Impact	Flood	S	9:57	6.	N	ND	N	N	ND	N	N	ND	N	ND	N	9:43	4.4	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/27/2014		Impact	Flood	М	9:55	4.	N	ND	N	N	ND	N	N	ND	N	ND	N	9:41	4	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
8/27/2014		Impact	Flood	В	9:54	22.2	N	ND	N	N	ND	N	N	ND	N	ND	N	9:39	7.6	N	N	ND	N	N	ND	N	N	ND	N	N	No Exceedance
	Notes:		¹ Samples collecte	ed at a location up cu	urrent of the sou	irce where the	e water quality	effects of the p	project are no	longer discern	ble																				

(NYSDEC) Permit Facility ID 3-9903-00043/00012-14 NV = Sample not valid and considered unrepresentative of construction

activit

Samples collected at the edge of the 500 ft mixing zone
 S = Near Surface, M = Mid-Depth, B = Near Bottom

⁴ Reported value exceeds the Water Quality Standard as stated in Condition 61 of NYSDEC Permit Facility ID 3-9903-00043/00012-

⁵ Upcurrent (ambient) concentration exceeds the Water Quality Standard, Downcurrent concentration is less than 30% over background ND = Not Detected, sample value below detection limit based on the New York State Department of Environmental Conservation