

Survey Date		06/02/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		ARM - Armoring			Comments																				
Tide		Ebb																							
Source Location		Armoring Operations																							
Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²											
Sample ID		060214-A263-E-U												060214-A263-E-D											
Sample Time		10:22												10:07											
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)										(ppm)	(ppb)											
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	29.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
	M	NS												NS											
	B	50.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	33.2	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/02/2014																								
Survey Type		V - Vessel Based																								
Construction Activity		ARM - Armoring				Comments																				
Tide		Flood																								
Source Location		Armoring Operations																								
Sample Location		Upcurrent (Ambient)												Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²												
Sample ID		060214-A263-F-U												060214-A263-F-D												
Sample Time		12:52												12:29												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit	(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006		
Analytical Result ⁴	S	16.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	25.2	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	
	M	NS												NS												
	B	14.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	112	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND

- Notes:
- 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/02/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		PDC - Pile Driving - Zone C				Comments																			
Tide		Ebb																							
Source Location		Pier 35																							
Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²											
Sample ID		060214-P035-E-U												060214-P035-E-D											
Sample Time		09:40												09:23											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result ⁴	S	24.8	ND	ND	3.0	ND	11	ND	ND	ND	ND	ND	ND	30.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	M	NS												NS											
	B	34.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	42.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- Notes:
- 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/02/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		PDC - Pile Driving - Zone C				Comments																			
Tide		Flood																							
Source Location		Pier 35																							
Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²											
Sample ID		060214-P035-F-U												060214-P035-F-D											
Sample Time		12:02												11:44											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result ⁴	S	12.4	ND	ND	3.1	ND	11	ND	ND	ND	ND	ND	ND	13.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	M	NS												NS											
	B	22.0	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	23.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND

- Notes:
- 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/03/2014																								
Survey Type		V - Vessel Based																								
Construction Activity		ARM - Armoring				Comments																				
Tide		Ebb																								
Source Location		Armoring Operations																								
Sample Location		Upcurrent (Ambient)												Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²												
Sample ID		060314-A263-E-U												060314-A263-E-D												
Sample Time		10:19												10:09												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit	(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006		
Analytical Result ⁴	S	NS												NS												
	M	18.4	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	60.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	
	B	NS												NS												

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/03/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		ARM - Armoring				Comments																			
Tide		Flood																							
Source Location		Armoring Operations																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²												
Sample ID		060314-A263-F-U											060314-A263-F-D												
Sample Time		11:32											11:16												
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result ⁴	S	NS											NS												
	M	56.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	39.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	B	NS											NS												

- Notes:
- 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/03/2014																										
Survey Type		V - Vessel Based																										
Construction Activity		PDC - Pile Driving - Zone C				Comments																						
Tide		Ebb																										
Source Location		Pier 35																										
Sample Location	Upcurrent (Ambient)													Downcurrent														
Distance to Source	Approx. 500 - 1000 ft ¹													500 ft ²														
Sample ID	060314-P035-E-U													060314-P035-E-D														
Sample Time	09:35													09:20														
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene				
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260						
Unit	(ppm)	(ppb)													(ppm)	(ppb)												
Detection Limit ³	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1				
Water Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006				
Analytical Result ⁴	S	30.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	26.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND			
	M	NS													NS													
	B	39.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	66.4	ND	ND	3.1	ND	12	ND	ND	ND	ND	ND	ND			

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/04/2014																									
Survey Type		V - Vessel Based																									
Construction Activity		ARM - Armoring				Comments																					
Tide		Ebb																									
Source Location		Armoring Operations																									
Sample Location		Upcurrent (Ambient)												Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID		060414-A263-E-U												060414-A263-E-D													
Sample Time		10:25												10:02													
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit		(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006		
Analytical Result ⁴	S	16.4	ND	ND	3.1	ND	14	ND	ND	ND	ND	ND	ND	19.2	ND	ND	3.0	ND	11	ND	ND	ND	ND	ND	ND		
	M	NS												NS													
	B	20.4	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	25.6	ND	ND	3.0	ND	12	ND	ND	ND	ND	ND	ND		

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

4 S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/04/2014																									
Survey Type		V - Vessel Based																									
Construction Activity		PDC - Pile Driving - Zone C				Comments																					
Tide		Flood																									
Source Location		Pier 35																									
Sample Location		Upcurrent (Ambient)												Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID		060414-P035-F-U												060414-P035-F-D													
Sample Time		15:18												15:01													
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit		(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006		
Analytical Result ⁴		S	7.20	ND	ND	3.3	ND	14	ND	ND	ND	ND	ND	ND	9.60	ND	ND	3.4	ND	11	ND	ND	ND	ND	ND	ND	
		M	NS												NS												
		B	195	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	20.0	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	

Notes:

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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/05/2014																									
Survey Type		V - Vessel Based																									
Construction Activity		ARM - Armoring				Comments																					
Tide		Ebb																									
Source Location		Armoring Operations																									
Sample Location		Upcurrent (Ambient)												Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID		060514-A263-E-U												060514-A263-E-D													
Sample Time		10:05												09:52													
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit		(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006		
Analytical Result ⁴	S	NS												NS													
	M	26.0	ND	ND	3.0	ND	11	ND	ND	ND	ND	ND	ND	26.0	ND	ND	3.4	ND	16	ND	ND	ND	ND	ND	ND		
	B	NS												NS													

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/05/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		PDC - Pile Driving - Zone C				Comments																			
Tide		Flood																							
Source Location		Pier 35																							
Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²											
Sample ID		060514-P035-F-U												060514-P035-F-D											
Sample Time		13:50												13:31											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result ⁴	S	10.4	ND	ND	3.0	ND	11	ND	ND	ND	ND	ND	ND	10.4	ND	ND	3.1	ND	12	ND	ND	ND	ND	ND	ND
	M	NS												NS											
	B	215	ND	ND	3.4	ND	12	ND	ND	ND	ND	ND	ND	15.6	ND	ND	3.5	ND	12	ND	ND	ND	ND	ND	ND

- Notes:
- 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/06/2014																								
Survey Type		V - Vessel Based																								
Construction Activity		ARM - Armoring				Comments																				
Tide		Ebb																								
Source Location		Armoring Operations																								
Sample Location		Upcurrent (Ambient)												Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²												
Sample ID		060614-A263-E-U												060614-A263-E-D												
Sample Time		09:03												08:51												
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)											
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	
Analytical Result ⁴	S	NS												NS												
	M	30.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	28.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	
	B	NS												NS												

- Notes:
- 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/06/2014																								
Survey Type		V - Vessel Based																								
Construction Activity		ARM - Armoring			Comments																					
Tide		Flood																								
Source Location		Armoring Operations																								
Sample Location	Upcurrent (Ambient)												Downcurrent													
Distance to Source	Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID	060614-A263-F-U												060614-A263-F-D													
Sample Time	13:49												13:57													
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit	(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006		
Analytical Result ⁴	S	NS												NS												
	M	25.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	14.0	ND	ND	3.0	ND	14	ND	ND	ND	ND	ND	ND	
	B	NS												NS												

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

4 S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/09/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		PDC - Pile Driving - Zone C				Comments																			
Tide		Ebb																							
Source Location		Pier 33																							
Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²											
Sample ID		060914-P033-E-U												060914-P033-E-D											
Sample Time		15:51												15:32											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result ⁴		S	10.4	ND	ND	3.8	ND	12	ND	ND	ND	ND	ND	8.00	ND	ND	3.4	ND	12	ND	ND	ND	ND	ND	ND
		M	10.8	ND	ND	3.1	ND	12	ND	ND	ND	ND	ND	8.80	ND	ND	3.4	ND	12	ND	ND	ND	ND	ND	ND
		B	19.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	14.4	ND	ND	ND	ND	15	ND	ND	ND	ND	ND

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/09/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		ARM - Armoring				Comments																			
Tide		Ebb																							
Source Location		Armoring Operations																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²												
Sample ID		060914-A263-E-U											060914-A263-E-D												
Sample Time		11:25											11:09												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit	(ppm)	(ppb)											(ppm)	(ppb)											
Detection Limit ³	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	
Water Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	
Analytical Result ⁴	S	NS											NS												
	M	61.6	ND	ND	4.0	ND	13	ND	ND	ND	ND	ND	ND	26.8	ND	ND	3.6	ND	12	ND	ND	ND	ND	ND	ND
	B	NS											NS												

- Notes:
- 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/09/2014																								
Survey Type		V - Vessel Based																								
Construction Activity		ARM - Armoring			Comments																					
Tide		Flood																								
Source Location		Armoring Operations																								
Sample Location	Upcurrent (Ambient)												Downcurrent													
Distance to Source	Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID	060914-A263-F-U												060914-A263-F-D													
Sample Time	09:35												09:22													
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit	(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³	Ambient + 100	0.05	--	--	--	--	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.05	--	--	--	--	0.2	0.2	0.2	0.2	--	0.1		
Water Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006		
Analytical Result ⁴	S	NS												NS												
	M	25.6	ND	ND	3.4	ND	10	ND	ND	ND	ND	ND	38.0	ND	ND	3.3	ND	12	ND	ND	ND	ND	ND			
	B	NS												NS												

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/10/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		ARM - Armoring			Comments																				
Tide		Flood																							
Source Location		Armoring Operations																							
Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²											
Sample ID		061014-A263-F-U												061014-A263-F-D											
Sample Time		13:38												13:17											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit ³		Ambient + 100	0.05	--	--	--	--	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.05	--	--	--	--	0.2	0.2	0.2	0.2	--	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	29.2	ND	ND	3.0	ND	11	ND	ND	ND	ND	ND	ND	108	ND	ND	3.1	ND	12	ND	ND	ND	ND	ND	ND
	M	NS												NS											
	B	30.0	ND	ND	3.2	ND	12	ND	ND	ND	ND	ND	ND	102	ND	ND	3.2	ND	12	ND	ND	ND	ND	ND	ND

- Notes:
- 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/11/2014																									
Survey Type		V - Vessel Based																									
Construction Activity		ARM - Armoring			Comments																						
Tide		Ebb																									
Source Location		Armoring Operations																									
Sample Location		Upcurrent (Ambient)												Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID		061114-A263-E-U												061114-A263-E-D													
Sample Time		11:57												11:38													
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit		(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006		
Analytical Result ⁴	S	27.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	31.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND		
	M	NS												NS													
	B	35.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	26.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND		

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/11/2014																									
Survey Type		V - Vessel Based																									
Construction Activity		ARM - Armoring				Comments																					
Tide		Flood																									
Source Location		Armoring Operations																									
Sample Location		Upcurrent (Ambient)												Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID		061114-A263-F-U												061114-A263-F-D													
Sample Time		09:05												08:47													
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit		(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006		
Analytical Result ⁴	S	25.2	ND	ND	3.1	ND	17	ND	ND	ND	ND	ND	ND	43.2	ND	ND	3.9	ND	11	ND	ND	ND	ND	ND	ND		
	M	NS												NS													
	B	39.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	74.8	ND	ND	4.0	ND	13	ND	ND	ND	ND	ND	ND		

- Notes:
- 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/11/2014																									
Survey Type		V - Vessel Based																									
Construction Activity		PDC - Pile Driving - Zone C				Comments																					
Tide		Flood																									
Source Location		Pier 33																									
Sample Location		Upcurrent (Ambient)												Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID		061114-P033-F-U												061114-P033-F-D													
Sample Time		10:48												10:27													
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit		(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	-	--	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006		
Analytical Result ⁴		S	10.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	10.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	
		M	30.8	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	20.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	
		B	51.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	24.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	

- Notes:
- 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/11/2014																								
Survey Type		V - Vessel Based																								
Construction Activity		PDC - Pile Driving - Zone C				Comments																				
Tide		Ebb																								
Source Location		Pier 35																								
Sample Location		Upcurrent (Ambient)												Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²												
Sample ID		061114-P035-E-U												061114-P035-E-D												
Sample Time		14:02												13:49												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit	(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006		
Analytical Result ⁴	S	12.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	33.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	
	M	NS												NS												
	B	34.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	27.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/11/2014																								
Survey Type		V - Vessel Based																								
Construction Activity		PDC - Pile Driving - Zone C				Comments																				
Tide		Flood																								
Source Location		Pier 35																								
Sample Location	Upcurrent (Ambient)												Downcurrent													
Distance to Source	Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID	061114-P035-F-U												061114-P035-F-D													
Sample Time	17:43												17:31													
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit	(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	--	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	-	-	-	16	0.0006		
Analytical Result ⁴	S	15.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	15.6	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND		
	M	NS												NS												
	B	18.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	15.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND		

- Notes:
- 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/12/2014																									
Survey Type		V - Vessel Based																									
Construction Activity		ARM - Armoring			Comments																						
Tide		Ebb																									
Source Location		Armoring Operations																									
Sample Location		Upcurrent (Ambient)												Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID		061214-A263-E-U												061214-A263-E-D													
Sample Time		12:46												12:26													
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit		(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006		
Analytical Result ⁴	S	22.8	ND	ND	3.1	ND	11	ND	ND	ND	ND	ND	ND	34.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND		
	M	NS												NS													
	B	36.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	43.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND		

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/12/2014																								
Survey Type		V - Vessel Based																								
Construction Activity		ARM - Armoring			Comments																					
Tide		Flood																								
Source Location		Armoring Operations																								
Sample Location	Upcurrent (Ambient)												Downcurrent													
Distance to Source	Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID	061214-A263-F-U												061214-A263-F-D													
Sample Time	09:31												09:13													
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit	(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006		
Analytical Result ⁴	S	42.0	ND	ND	3.1	ND	14	ND	ND	ND	ND	ND	41.6	ND	ND	3.1	ND	12	ND	ND	ND	ND	ND	ND		
	M	NS												NS												
	B	57.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	39.2	ND	ND	3.5	ND	14	ND	ND	ND	ND	ND		

- Notes:
- 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/13/2014																								
Survey Type		V - Vessel Based																								
Construction Activity		ARM - Armoring				Comments																				
Tide		Flood																								
Source Location		Armoring Operations																								
Sample Location		Upcurrent (Ambient)												Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²												
Sample ID		061314-A263-F-U												061314-A263-F-D												
Sample Time		11:18												11:00												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit	(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006		
Analytical Result ⁴	S	54.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	49.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	
	M	NS												NS												
	B	70.8	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	55.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	

Notes:

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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/13/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		PDC - Pile Driving - Zone C				Comments																			
Tide		Flood																							
Source Location		Pier 35																							
Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²											
Sample ID		061314-P035-F-U												061314-P035-F-D											
Sample Time		08:30												08:18											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result ⁴	S	54.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	26.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	M	NS												NS											
	B	16.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	64.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND

Notes:

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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/14/2014																									
Survey Type		V - Vessel Based																									
Construction Activity		ARM - Armoring				Comments																					
Tide		Ebb																									
Source Location		Armoring Operations																									
Sample Location		Upcurrent (Ambient)												Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID		061414-A263-E-U												061414-A263-E-D													
Sample Time		07:09												06:59													
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit		(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006		
Analytical Result ⁴	S	NS												NS													
	M	41.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	68.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND		
	B	NS												NS													

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/14/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		ARM - Armoring			Comments																				
Tide		Flood																							
Source Location		Armoring Operations																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²												
Sample ID		061414-A263-F-U											061414-A263-F-D												
Sample Time		08:32											08:20												
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result ⁴	S	25.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	20.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	M	NS											NS												
	B	25.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	34.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND

Notes:

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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/16/2014																								
Survey Type		V - Vessel Based																								
Construction Activity		ARM - Armoring			Comments																					
Tide		Ebb																								
Source Location		Armoring Operations																								
Sample Location		Upcurrent (Ambient)												Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²												
Sample ID		061614-A263-E-U												061614-A263-E-D												
Sample Time		09:09												08:51												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit	(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006		
Analytical Result ⁴	S	NS												NS												
	M	48.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	84.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	
	B	NS												NS												

Notes:

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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/16/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		ARM - Armoring				Comments																			
Tide		Flood																							
Source Location		Armoring Operations																							
Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²											
Sample ID		061614-A263-F-U												061614-A263-F-D											
Sample Time		13:36												13:15											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result ⁴	S	50.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	43.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	M	NS												NS											
	B	84.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	76.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/17/2014																									
Survey Type		V - Vessel Based																									
Construction Activity		ARM - Armoring				Comments																					
Tide		Ebb																									
Source Location		Armoring Operations																									
Sample Location		Upcurrent (Ambient)												Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID		061714-A263-E-U												061714-A263-E-D													
Sample Time		08:49												08:30													
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit		(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006		
Analytical Result ⁴		S	98.8	ND	ND	3.1	ND	12	ND	ND	ND	ND	ND	191	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND		
		M	NS												NS												
		B	74.4	ND	ND	3.0	ND	12	ND	ND	ND	ND	ND	ND	187	ND	ND	3.0	ND	11	ND	ND	ND	ND	ND	ND	

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/17/2014																									
Survey Type		V - Vessel Based																									
Construction Activity		ARM - Armoring			Comments																						
Tide		Flood																									
Source Location		Armoring Operations																									
Sample Location		Upcurrent (Ambient)												Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID		061714-A263-F-U												061714-A263-F-D													
Sample Time		12:52												12:36													
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit		(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006		
Analytical Result ⁴	S	30.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	32.4	ND	ND	3.3	ND	12	ND	ND	ND	ND	ND	ND		
	M	NS												NS													
	B	44.8	ND	ND	3.0	ND	12	ND	ND	ND	ND	ND	ND	38.4	ND	ND	3.1	ND	13	ND	ND	ND	ND	ND	ND		

- Notes:
- 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/17/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		PDC - Pile Driving - Zone C				Comments																			
Tide		Ebb																							
Source Location		Pier 33																							
Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²											
Sample ID		061714-P033-E-U												061714-P033-E-D											
Sample Time		11:03												10:46											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	34.0	ND	ND	3.4	ND	14	ND	ND	ND	ND	ND	ND	29.6	ND	ND	3.0	ND	11	ND	ND	ND	ND	ND	ND
	M	44.0	ND	ND	3.4	ND	11	ND	ND	ND	ND	ND	ND	43.2	ND	ND	3.0	ND	ND	ND	ND	ND	ND	ND	ND
	B	43.6	ND	ND	3.6	ND	11	ND	ND	ND	ND	ND	ND	50.5	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/17/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		PDC - Pile Driving - Zone C				Comments																			
Tide		Flood																							
Source Location		Pier 33																							
Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²											
Sample ID		061714-P033-F-U												061714-P033-F-D											
Sample Time		11:41												11:24											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	-	--	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
Analytical Result ⁴		S	19.2	ND	ND	3.5	ND	12	ND	ND	ND	ND	ND	25.6	ND	ND	3.2	ND	12	ND	ND	ND	ND	ND	ND
		M	26.8	ND	ND	3.5	ND	12	ND	ND	ND	ND	ND	ND	39.2	ND	ND	3.1	ND	13	ND	ND	ND	ND	ND
		B	52.8	ND	ND	3.0	ND	12	ND	ND	ND	ND	ND	ND	41.6	ND	ND	3.3	ND	16	ND	ND	ND	ND	ND

- Notes:
- 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/18/2014																									
Survey Type		V - Vessel Based																									
Construction Activity		ARM - Armoring				Comments																					
Tide		Ebb																									
Source Location		Armoring Operations																									
Sample Location		Upcurrent (Ambient)												Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID		061814-A263-E-U												061814-A263-E-D													
Sample Time		09:46												09:30													
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit		(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006		
Analytical Result ⁴		S	46.0	ND	ND	3.4	ND	10	ND	ND	ND	ND	ND	49.6	ND	ND	3.4	ND	12	ND	ND	ND	ND	ND	ND		
		M	NS												NS												
		B	51.6	ND	ND	3.1	ND	12	ND	ND	ND	ND	ND	ND	49.6	ND	ND	3.3	ND	11	ND	ND	ND	ND	ND	ND	

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/19/2014																								
Survey Type		V - Vessel Based																								
Construction Activity		ARM - Armoring			Comments																					
Tide		Flood																								
Source Location		Armoring Operations																								
Sample Location	Upcurrent (Ambient)												Downcurrent													
Distance to Source	Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID	061914-A263-F-U												061914-A263-F-D													
Sample Time	13:20												13:00													
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit	(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006		
Analytical Result ⁴	S	34.0	ND	ND	3.4	ND	10	ND	ND	ND	ND	ND	ND	28.4	ND	ND	3.4	ND	ND	ND	ND	ND	ND	ND		
	M	NS												NS												
	B	38.4	ND	ND	3.7	ND	12	ND	ND	ND	ND	ND	ND	30.4	ND	ND	3.4	ND	13	ND	ND	ND	ND	ND	ND	

- Notes:
- 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/20/2014																									
Survey Type		V - Vessel Based																									
Construction Activity		ARM - Armoring			Comments																						
Tide		Ebb																									
Source Location		Armoring Operations																									
Sample Location		Upcurrent (Ambient)												Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID		062014-A263-E-U												062014-A263-E-D													
Sample Time		11:27												11:07													
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit		(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006		
Analytical Result ⁴	S	90.0	ND	ND	3.3	ND	17	ND	ND	ND	ND	ND	ND	51.6	ND	ND	3.1	ND	15	ND	ND	ND	ND	ND	ND		
	M	NS												NS													
	B	62.0	ND	ND	3.1	ND	16	ND	ND	ND	ND	ND	ND	68.4	ND	ND	3.3	ND	15	ND	ND	ND	ND	ND	ND		

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/20/2014																									
Survey Type		V - Vessel Based																									
Construction Activity		ARM - Armoring			Comments																						
Tide		Flood																									
Source Location		Armoring Operations																									
Sample Location		Upcurrent (Ambient)												Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID		062014-A263-F-U												062014-A263-F-D													
Sample Time		15:56												16:09													
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit		(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006		
Analytical Result ⁴	S	33.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	34.8	ND	ND	3.3	ND	17	ND	ND	ND	ND	ND	ND		
	M	NS												NS													
	B	56.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	46.8	ND	ND	3.3	ND	16	ND	ND	ND	ND	ND	ND		

- Notes:
- 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/21/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		ARM - Armoring			Comments																				
Tide		Ebb																							
Source Location		Armoring Operations																							
Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²											
Sample ID		062114-A263-E-U												062114-A263-E-D											
Sample Time		10:16												09:57											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result ⁴	S	22.4	ND	ND	4.2	ND	16	ND	ND	ND	ND	ND	ND	23.6	ND	ND	4.1	ND	12	ND	ND	ND	ND	ND	ND
	M	NS												NS											
	B	64.0	ND	ND	4.0	ND	ND	ND	ND	ND	ND	ND	ND	27.5	ND	ND	4.1	ND	13	ND	ND	ND	ND	ND	ND

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

4 S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/23/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		ARM - Armoring			Comments																				
Tide		Ebb																							
Source Location		Armoring Operations																							
Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²											
Sample ID		062314-A263-E-U												062314-A263-E-D											
Sample Time		13:20												13:03											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result ⁴	S	24.4	ND	ND	3.9	ND	13	ND	ND	ND	ND	ND	ND	40.8	ND	ND	4.0	ND	12	ND	ND	ND	ND	ND	ND
	M	NS												NS											
	B	26.4	ND	ND	3.5	ND	12	ND	ND	ND	ND	ND	ND	60.4	ND	ND	4.0	ND	15	ND	ND	ND	ND	ND	ND

Notes:

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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/24/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		ARM - Armoring			Comments																				
Tide		Ebb																							
Source Location		Armoring Operations																							
Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²											
Sample ID		062414-A263-E-U												062414-A263-E-D											
Sample Time		11:33												11:23											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)										(ppm)	(ppb)											
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result ⁴	S	NS												NS											
	M	28.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	47.2	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
	B	NS												NS											

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

4 S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/25/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		ARM - Armoring				Comments																			
Tide		Ebb																							
Source Location		Armoring Operations																							
Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²											
Sample ID		062514-A263-E-U												062514-A263-E-D											
Sample Time		12:22												12:09											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result ⁴	S	NS												NS											
	M	23.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	61.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
	B	NS												NS											

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

4 S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/25/2014																								
Survey Type		V - Vessel Based																								
Construction Activity		ARM - Armoring			Comments																					
Tide		Flood																								
Source Location		Armoring Operations																								
Sample Location		Upcurrent (Ambient)												Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²												
Sample ID		062514-A263-F-U												062514-A263-F-D												
Sample Time		09:42												09:56												
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)											
Detection Limit ³		Ambient + 100	0.05	--	--	--	--	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.05	--	--	--	--	0.2	0.2	0.2	0.2	--	0.1	
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	
Analytical Result ⁴		S	32.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	26.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
		M	NS												NS											
		B	34.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	35.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/26/2014																								
Survey Type		V - Vessel Based																								
Construction Activity		ARM - Armoring				Comments																				
Tide		Ebb																								
Source Location		Armoring Operations																								
Sample Location	Upcurrent (Ambient)												Downcurrent													
Distance to Source	Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID	062614-A263-E-U												062614-A263-E-D													
Sample Time	13:31												13:15													
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit	(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006		
Analytical Result ⁴	S	NS												NS												
	M	28.0	ND	ND	4.3	ND	13	ND	ND	ND	ND	ND	ND	27.6	ND	ND	4.1	ND	10	ND	ND	ND	ND	ND	ND	
	B	NS												NS												

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/26/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		ARM - Armoring			Comments			-																	
Tide		Flood																							
Source Location		Armoring Operations																							
Sample Location	Upcurrent (Ambient)												Downcurrent												
Distance to Source	Approx. 500 - 1000 ft ¹												500 ft ²												
Sample ID	062614-A263-F-U												062614-A263-F-D												
Sample Time	07:45												07:57												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit	(ppm)	(ppb)											(ppm)	(ppb)											
Detection Limit ³	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	
Water Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	
Analytical Result ⁴	S	NS												NS											
	M	34.4	ND	ND	4.1	ND	12	ND	ND	ND	ND	ND	ND	56.4	ND	ND	3.8	ND	11	ND	ND	ND	ND	ND	ND
	B	NS												NS											

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/26/2014																								
Survey Type		V - Vessel Based																								
Construction Activity		PDC - Pile Driving - Zone C				Comments																				
Tide		Ebb																								
Source Location		Pier 33																								
Sample Location	Upcurrent (Ambient)												Downcurrent													
Distance to Source	Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID	062614-P033-E-U												062614-P033-E-D													
Sample Time	12:50												12:30													
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit	(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006		
Analytical Result ⁴	S	14.0	ND	ND	4.0	ND	12	ND	ND	ND	ND	ND	16.8	ND	ND	4.1	ND	13	ND	ND	ND	ND	ND	ND		
	M	19.2	ND	ND	3.9	ND	14	ND	ND	ND	ND	ND	26.0	ND	ND	3.6	ND	13	ND	ND	ND	ND	ND	ND		
	B	33.2	ND	ND	3.2	ND	12	ND	ND	ND	ND	ND	33.2	ND	ND	3.3	ND	14	ND	ND	ND	ND	ND	ND		

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/26/2014																								
Survey Type		V - Vessel Based																								
Construction Activity		PDC - Pile Driving - Zone C				Comments																				
Tide		Flood																								
Source Location		Pier 33																								
Sample Location	Upcurrent (Ambient)												Downcurrent													
Distance to Source	Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID	062614-P033-F-U												062614-P033-F-D													
Sample Time	10:12												09:47													
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit	(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006		
Analytical Result ⁴	S	19.2	ND	ND	3.9	ND	12	ND	ND	ND	ND	ND	20.8	ND	ND	3.5	ND	12	ND	ND	ND	ND	ND	ND		
	M	38.4	ND	ND	3.5	ND	13	ND	ND	ND	ND	ND	36.0	ND	ND	3.5	ND	11	ND	ND	ND	ND	ND	ND		
	B	62.8	ND	ND	4.0	ND	12	ND	ND	ND	ND	ND	ND	46.0	ND	ND	3.7	ND	12	ND	ND	ND	ND	ND	ND	

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/27/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		ARM - Armoring			Comments																				
Tide		Flood																							
Source Location		Armoring Operations																							
Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²											
Sample ID		062714-A263-F-U												062714-A263-F-D											
Sample Time		10:19												10:36											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result ⁴	S	23.2	ND	ND	4.5	ND	16	ND	ND	ND	ND	ND	ND	28.4	ND	ND	4.5	ND	14	ND	ND	ND	ND	ND	ND
	M	NS												NS											
	B	32.4	ND	ND	4.6	ND	15	ND	ND	ND	ND	ND	ND	28.8	ND	ND	4.5	ND	13	ND	ND	ND	ND	ND	ND

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/27/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		ARM - Armoring			Comments																				
Tide		Ebb																							
Source Location		Armoring Operations																							
Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²											
Sample ID		062714-A263-E-U												062714-A263-E-D											
Sample Time		13:30												13:12											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result ⁴	S	19.6	ND	ND	4.5	ND	13	ND	ND	ND	ND	ND	ND	40.0	ND	ND	4.5	ND	11	ND	ND	ND	ND	ND	ND
	M	NS												NS											
	B	21.6	ND	ND	4.5	ND	ND	ND	ND	ND	ND	ND	ND	29.6	ND	ND	4.5	ND	14	ND	ND	ND	ND	ND	ND

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/28/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		ARM - Armoring			Comments																				
Tide		Flood																							
Source Location		Armoring Operations																							
Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²											
Sample ID		062814-A263-F-U												062814-A263-F-D											
Sample Time		10:54												10:30											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result ⁴	S	29.6	ND	ND	4.4	ND	11	ND	ND	ND	ND	ND	ND	28.0	ND	ND	4.5	ND	11	ND	ND	ND	ND	ND	ND
	M	NS												NS											
	B	30.0	ND	ND	4.4	ND	11	ND	ND	ND	ND	ND	ND	212	ND	ND	4.5	ND	12	ND	ND	ND	ND	ND	ND

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/30/2014																							
Survey Type		V - Vessel Based																							
Construction Activity		ARM - Armoring			Comments																				
Tide		Ebb																							
Source Location		Armoring Operations																							
Sample Location	Upcurrent (Ambient)												Downcurrent												
Distance to Source	Approx. 500 - 1000 ft ¹												500 ft ²												
Sample ID	063014-A263-E-U												063014-A263-E-D												
Sample Time	15:39												15:23												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit	(ppm)	(ppb)											(ppm)	(ppb)											
Detection Limit ³	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	
Water Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	
Analytical Result ⁴	S	24.0	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	20.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
	M	NS												NS											
	B	37.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	22.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/30/2014																								
Survey Type		V - Vessel Based																								
Construction Activity		ARM - Armoring			Comments																					
Tide		Flood																								
Source Location		Armoring Operations																								
Sample Location	Upcurrent (Ambient)												Downcurrent													
Distance to Source	Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID	063014-A263-F-U												063014-A263-F-D													
Sample Time	12:49												13:09													
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit	(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006		
Analytical Result ⁴	S	32.5	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	31.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	
	M	NS												NS												
	B	38.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	31.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date		06/30/2014																									
Survey Type		V - Vessel Based																									
Construction Activity		PDC - Pile Driving - Zone C			Comments																						
Tide		Flood																									
Source Location		Pier 33																									
Sample Location		Upcurrent (Ambient)												Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID		063014-P033-F-U												063014-P033-F-D													
Sample Time		14:55												14:30													
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit		(ppm)	(ppb)												(ppm)	(ppb)											
Detection Limit ³		Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006		
Analytical Result ⁴		S	11.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND		
		M	21.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	21.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	
		B	33.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	37.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	

Notes: 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 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom