

Date		8/13/13																						
Survey Type		V - Vessel Based																						
Construction Activity		DRR - Dredging					Comments																	
Tide		Ebb																						
Source Location		Dredge 506																						
Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²											
Sample ID		081313-D506-E-U											081313-D506-E-D											
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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	20.4	ND	ND	3.9	ND	14	ND	ND	ND	ND	ND	ND	27.6	ND	ND	3.8	ND	14	ND	ND	ND	ND	ND
	M	NS																						
	B	26.8	ND	ND	3.7	ND	14	ND	ND	ND	ND	ND	ND	ND	27.6	ND	ND	3.9	ND	13	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

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Tide		Flood																						
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Sample Location		Upcurrent (Ambient)												Downcurrent										
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²										
Sample ID		081313-D506-F-U												081313-D506-F-D										
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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	31.0	ND	ND	3.7	ND	13	ND	ND	ND	ND	ND	62.0	ND	ND	3.5	ND	13	ND	ND	ND	ND	ND	ND
	M	NS																						
	B	50.0	ND	ND	3.9	ND	14	ND	ND	ND	ND	ND	ND	72.0	ND	ND	3.5	ND	13	ND	ND	ND	ND	ND

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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

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Survey Type		V - Vessel Based																							
Construction Activity		DRR - Dredging					Comments																		
Tide		Ebb																							
Source Location		Dredge 551																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²												
Sample ID		081313-D551-E-U											081313-D551-E-D												
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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006	
Analytical Result ⁴	S	NS																							
	M	47.6	ND	ND	3.5	ND	13	ND	ND	ND	ND	ND	ND	54.8	ND	ND	3.4	ND	13	ND	ND	ND	ND	ND	ND
	B	NS																							

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Construction Activity		DRR - Dredging					Comments																	
Tide		Ebb																						
Source Location		Decant Operations																						
Sample Location		Upcurrent (Ambient)												Downcurrent										
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²										
Sample ID		081313-D211-E-U												081313-D211-E-D										
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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	36.0	ND	ND	3.7	ND	12	ND	ND	ND	ND	ND	ND	44.0	ND	ND	3.6	ND	ND	ND	ND	ND	ND	ND
	M	NS																						
	B	42.0	ND	ND	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	36.4	ND	ND	3.6	ND	ND	ND	ND	ND	ND

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Construction Activity		DRR - Dredging					Comments																		
Tide		Ebb																							
Source Location		Dredg 506																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²												
Sample ID		081413-D506-E-U											081413-D506-E-D												
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 Limit³		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 Standard³		*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006
Analytical Result⁴		S	39.2	ND	ND	4.3	ND	ND	ND	ND	ND	ND	ND	42.8	ND	ND	4.1	ND	15	ND	ND	ND	ND	ND	ND
		M	NS																						
		B	39.2	ND	ND	4.3	ND	15	ND	ND	ND	ND	ND	ND	54.0	ND	ND	4.2	ND	15	ND	ND	ND	ND	ND

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Tide		Flood																						
Source Location		Dredge 506																						
Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²											
Sample ID		081413-D506-F-U											081413-D506-F-D											
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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	22.8	ND	ND	4.2	ND	15	ND	ND	ND	ND	ND	24.8	ND	ND	3.7	ND	14	ND	ND	ND	ND	ND	ND
	M	NS																						
	B	26.0	ND	ND	4.0	ND	15	ND	ND	ND	ND	ND	ND	33.2	ND	ND	4.4	ND	14	ND	ND	ND	ND	ND

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Tide		Ebb																						
Source Location		Dredge 506																						
Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²											
Sample ID		081513-D506-E-U											081513-D506-E-D											
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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	NS																						
	M	20.0	ND	ND	4.2	ND	14	ND	ND	ND	ND	ND	ND	44.0	ND	ND	4.2	ND	14	ND	ND	ND	ND	ND
	B	NS																						

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Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²											
Sample ID		081513-D506-F-U											081513-D506-F-D											
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
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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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	16.0	ND	ND	4.6	ND	12	ND	ND	ND	ND	ND	32.0	ND	ND	4.5	ND	14	ND	ND	ND	ND	ND	ND
	M	NS																						
	B	24.0	ND	ND	4.5	ND	13	ND	ND	ND	ND	ND	ND	45.0	ND	ND	4.3	ND	13	ND	ND	ND	ND	ND

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Tide		Ebb																							
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Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²												
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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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006	
Analytical Result ⁴	S	NS																							
	M	25.0	ND	ND	4.2	ND	14	ND	ND	ND	ND	ND	ND	42.0	ND	ND	4.0	ND	13	ND	ND	ND	ND	ND	ND
	B	NS																							

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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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	NS																						
	M	34.0	ND	ND	4.1	ND	14	ND	ND	ND	ND	ND	ND	24.0	ND	ND	4.2	ND	14	ND	ND	ND	ND	ND
	B	NS																						

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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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	13.0	ND	ND	4.0	ND	11	ND	ND	ND	ND	ND	18.0	ND	ND	4.3	ND	ND	ND	ND	ND	ND	ND	ND
	M	NS																						
	B	34.0	ND	ND	3.9	ND	11	ND	ND	ND	ND	ND	ND	31.0	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

Date		8/16/13																							
Survey Type		V - Vessel Based																							
Construction Activity		DRR - Dredging					Comments																		
Tide		Flood																							
Source Location		Dredge 551																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²												
Sample ID		081613-D551-F-U											081613-D551-F-D												
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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006	
Analytical Result ⁴	S	NS																							
	M	16.0	ND	ND	3.8	ND	12	ND	ND	ND	ND	ND	ND	103	ND	ND	3.7	ND	12	ND	ND	ND	ND	ND	ND
	B	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
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 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
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Date		8/16/13																							
Survey Type		V - Vessel Based																							
Construction Activity		DRR - Dredging					Comments																		
Tide		Ebb																							
Source Location		Decant Operations																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²												
Sample ID		081613-D211-E-U											081613-D211-E-D												
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 Limit³		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 Standard³		*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006
Analytical Result⁴		S	28.0	ND	ND	3.6	ND	12	ND	ND	ND	ND	ND	24.0	ND	ND	4.2	ND	14	ND	ND	ND	ND	ND	ND
		M	NS																						
		B	30.0	ND	ND	3.8	ND	13	ND	ND	ND	ND	ND	ND	27.0	ND	ND	3.7	ND	11	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
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 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
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Date		8/16/13																						
Survey Type		V - Vessel Based																						
Construction Activity		DRR - Dredging					Comments																	
Tide		Flood																						
Source Location		Decant Operations																						
Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²											
Sample ID		081613-D211-F-U											081613-D211-F-D											
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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	19.0	ND	ND	3.8	ND	11	ND	ND	ND	ND	ND	18.0	ND	ND	3.7	ND	13	ND	ND	ND	ND	ND	ND
	M	NS																						
	B	17.0	ND	ND	3.8	ND	12	ND	ND	ND	ND	ND	ND	22.0	ND	ND	3.7	ND	13	ND	ND	ND	ND	ND

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 - 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
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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.
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Date		8/17/13																							
Survey Type		V - Vessel Based																							
Construction Activity		DRR - Dredging						Comments																	
Tide		Ebb																							
Source Location		Decant Operations																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²												
Sample ID		081713-D211-E-U											081713-D211-E-D												
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
Unit								(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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006
Analytical Result ⁴		S	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
		M	NS											NS											
		B	32	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	ND	13	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
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Date		8/18/13																								
Survey Type		V - Vessel Based																								
Construction Activity		DRR - Dredging						Comments																		
Tide		Ebb																								
Source Location		Dredge 506																								
Sample Location		Upcurrent (Ambient)												Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²												
Sample ID		081813-D506-E-U												081813-D506-E-D												
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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006		
Analytical Result ⁴	S	29.2	ND	ND	3.6	ND	14	ND	ND	ND	ND	ND	36.8	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND		
	M	NS												NS												
	B	33.6	ND	ND	3.8	ND	13	ND	ND	ND	ND	ND	ND	40.8	ND	ND	3.2	ND	14	ND	ND	ND	ND	ND	ND	

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Date		8/18/13																						
Survey Type		V - Vessel Based																						
Construction Activity		DRR - Dredging					Comments																	
Tide		Flood																						
Source Location		Dredge 551																						
Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²											
Sample ID		081813-D551-F-U											081813-D551-F-D											
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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	NS											NS											
	M	26.0	ND	ND	3.5	ND	17	ND	ND	ND	ND	ND	ND	128	ND	ND	3.1	ND	15	ND	ND	ND	ND	ND
	B	NS											NS											

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

Date		8/18/13																						
Survey Type		V - Vessel Based																						
Construction Activity		DRR - Dredging					Comments																	
Tide		Ebb																						
Source Location		Decant Operations																						
Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²											
Sample ID		081813-D211-E-U											081813-D211-E-D											
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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	40.4	ND	ND	3.4	ND	14	ND	ND	ND	ND	ND	ND	48.8	ND	ND	3.3	ND	14	ND	ND	ND	ND	ND
	M	NS											NS											
	B	54.8	ND	ND	3.4	ND	13	ND	ND	ND	ND	ND	ND	51.6	ND	ND	14	ND	15	ND	ND	ND	ND	ND

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Date		8/18/13																						
Survey Type		V - Vessel Based																						
Construction Activity		DRR - Dredging					Comments																	
Tide		Flood																						
Source Location		Decant Operations																						
Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²											
Sample ID		081813-D211-F-U											081813-D211-F-D											
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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	62.0	ND	ND	3.4	ND	13	ND	ND	ND	ND	ND	20.0	ND	ND	3.6	ND	18	ND	ND	ND	ND	ND	ND
	M	NS											NS											
	B	57.6	ND	ND	3.7	ND	16	ND	ND	ND	ND	ND	ND	29.6	ND	ND	3.6	ND	14	ND	ND	ND	ND	ND

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Date		8/19/13																						
Survey Type		V - Vessel Based																						
Construction Activity		DRR - Dredging					Comments																	
Tide		Ebb																						
Source Location		Dredge 506																						
Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²											
Sample ID		081913-D506-E-U											081913-D506-E-D											
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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	70.4	ND	ND	3.4	ND	21	ND	ND	ND	ND	ND	101	ND	ND	3.3	ND	12	ND	ND	ND	ND	ND	ND
	M	NS											NS											
	B	79.6	ND	ND	3.5	ND	12	ND	ND	ND	ND	ND	ND	111	ND	ND	3.3	ND	15	ND	ND	ND	ND	ND

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 - 2 Samples collected at the edge of the 500 ft mixing zone
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Date		8/19/13																						
Survey Type		V - Vessel Based																						
Construction Activity		DRR - Dredging					Comments																	
Tide		Flood																						
Source Location		Dredge 506																						
Sample Location		Upcurrent (Ambient)												Downcurrent										
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²										
Sample ID		081913-D506-F-U												081913-D506-F-D										
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	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	72.4	ND	ND	3.4	ND	13	ND	ND	ND	ND	ND	81.6	ND	ND	3.4	ND	14	ND	ND	ND	ND	ND	ND
	M	NS												NS										
	B	86.8	ND	ND	3.3	ND	12	ND	ND	ND	ND	ND	ND	86.8	ND	ND	3.2	ND	14	ND	ND	ND	ND	ND

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

Date		8/19/13																								
Survey Type		V - Vessel Based																								
Construction Activity		DRR - Dredging				Comments																				
Tide		Ebb																								
Source Location		Dredge 551																								
Sample Location		Upcurrent (Ambient)											Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²													
Sample ID		081913-D551-E-U											081913-D551-E-D													
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 Limit³		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 Standard³		*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006	
Analytical Result⁴		S	NS											NS												
		M	52.8	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	54.0	ND	ND	3.1	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

Date		8/19/13																									
Survey Type		V - Vessel Based																									
Construction Activity		DRR - Dredging						Comments																			
Tide		Ebb																									
Source Location		Decant Operations																									
Sample Location		Upcurrent (Ambient)												Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²													
Sample ID		081913-D211-E-U												081913-D211-E-D													
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 Limit³		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 Standard³		*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8	66	--	--	--	--	16	0.0006		
Analytical Result⁴		S	32.4	ND	ND	3.5	ND	12	ND	ND	ND	ND	ND	ND	60.0	ND	ND	3.6	ND	16	ND	ND	ND	ND	ND		
		M	NS												NS												
		B	130	ND	ND	3.3	ND	13	ND	ND	ND	ND	ND	ND	ND	52.4	ND	ND	3.5	ND	13	ND	ND	ND	ND	ND	

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 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
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 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.
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Date		8/20/13																							
Survey Type		V - Vessel Based																							
Construction Activity		DRR - Dredging					Comments																		
Tide		Ebb																							
Source Location		Dredge 506																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²												
Sample ID		082013-D506-E-U											082013-D506-E-D												
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 Limit³		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 Standard³		*	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 Result⁴		S	27.2	ND	ND	3.7	ND	14	ND	ND	ND	ND	ND	ND	57.6	ND	ND	3.5	ND	14	ND	ND	ND	ND	ND
		M	NS											NS											
		B	32.8	ND	ND	3.5	ND	15	ND	ND	ND	ND	ND	ND	ND	60.8	ND	ND	3.4	ND	13	ND	ND	ND	ND

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 - 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
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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.
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Date		8/20/13																						
Survey Type		V - Vessel Based																						
Construction Activity		DRR - Dredging					Comments																	
Tide		Flood																						
Source Location		Dredge 506																						
Sample Location		Upcurrent (Ambient)												Downcurrent										
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²										
Sample ID		082013-D506-F-U												082013-D506-F-D										
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	52.8	ND	ND	3.7	ND	14	ND	ND	ND	ND	ND	160	ND	ND	3.7	ND	15	ND	ND	ND	ND	ND	ND
	M	NS												NS										
	B	73.2	ND	ND	4.1	ND	14	ND	ND	ND	ND	ND	ND	78.8	ND	ND	3.9	ND	15	ND	ND	ND	ND	ND

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Date		8/20/13																								
Survey Type		V - Vessel Based																								
Construction Activity		DRR - Dredging				Comments																				
Tide		Ebb																								
Source Location		Dredge 551																								
Sample Location		Upcurrent (Ambient)											Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²													
Sample ID		082013-D551-E-U											082013-D551-E-D													
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 Limit³		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 Standard³		*	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 Result⁴		S	NS											NS												
		M	46.8	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	51.6	ND	ND	3.0	ND	13	ND	ND	ND	ND	ND	ND
		B	NS											NS												

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Date		8/20/13																						
Survey Type		V - Vessel Based																						
Construction Activity		DRR - Dredging					Comments																	
Tide		Flood																						
Source Location		Dredge 551																						
Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²											
Sample ID		082013-D551-F-U											082013-D551-F-D											
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	39.2	ND	ND	3.4	ND	15	ND	ND	ND	ND	ND	ND	42.8	ND	ND	3.4	ND	15	ND	ND	ND	ND	ND
	B	NS											NS											

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 - ² Samples collected at the edge of the 500 ft mixing zone
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Date		8/21/13																						
Survey Type		V - Vessel Based																						
Construction Activity		DRR - Dredging					Comments																	
Tide		Ebb																						
Source Location		Decant Operations																						
Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²											
Sample ID		082113-D211-E-U											082113-D211-E-D											
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	61.2	ND	ND	3.4	ND	14	ND	ND	ND	ND	ND	65.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
	M	NS											NS											
	B	152	ND	ND	3.3	ND	15	ND	ND	ND	ND	ND	ND	77.2	ND	ND	3.2	ND	18	ND	ND	ND	ND	ND

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Date		8/21/13																							
Survey Type		V - Vessel Based																							
Construction Activity		DRR - Dredging					Comments																		
Tide		Flood																							
Source Location		Dredge 506																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²												
Sample ID		082113-D506-F-U											082113-D506-F-D												
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 Limit³	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 Standard³	*	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 Result⁴	S	NS											NS												
	M	36.4	ND	ND	3.2	ND	14	ND	ND	ND	ND	ND	ND	44.8	ND	ND	3.6	ND	13	ND	ND	ND	ND	ND	ND
	B	NS											NS												

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Date		8/21/13																						
Survey Type		V - Vessel Based																						
Construction Activity		DRR - Dredging					Comments																	
Tide		Ebb																						
Source Location		Dredge 506																						
Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²											
Sample ID		082113-D506-E-U											082113-D506-E-D											
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	28.4	ND	ND	3.3	ND	15	ND	ND	ND	ND	ND	40.8	ND	ND	3.2	ND	15	ND	ND	ND	ND	ND	ND
	M	NS											NS											
	B	26.8	ND	ND	3.5	ND	14	ND	ND	ND	ND	ND	ND	40.8	ND	ND	3.3	ND	14	ND	ND	ND	ND	ND

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 - 2 Samples collected at the edge of the 500 ft mixing zone
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Date		8/21/13																							
Survey Type		V - Vessel Based																							
Construction Activity		DRR - Dredging					Comments																		
Tide		Ebb																							
Source Location		Dredge 551																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²												
Sample ID		082113-D551-E-U											082113-D551-E-D												
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 Limit³	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 Standard³	*	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 Result⁴	S	NS											NS												
	M	38.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	34.8	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
	B	NS											NS												

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 - ² Samples collected at the edge of the 500 ft mixing zone
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Date		08/22/2013																								
Survey Type		V - Vessel Based																								
Construction Activity		DRR - Dredging					Comments																			
Tide		Ebb																								
Source Location		Dredge 506																								
Sample Location		Upcurrent (Ambient)												Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²												
Sample ID		082213-D506-E-U												082213-D506-E-D												
Sample Time		13:59												14:09												
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	27.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	57.6	ND	ND	3.1	ND	12	ND	ND	ND	ND	ND	ND	
	M	NS												NS												
	B	30.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	166	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

Date		08/22/2013																							
Survey Type		V - Vessel Based																							
Construction Activity		DRR - Dredging					Comments																		
Tide		Ebb																							
Source Location		Dredge 551																							
Sample Location		Upcurrent (Ambient)										Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹										500 ft ²													
Sample ID		082213-D551-E-U										082213-D551-E-D													
Sample Time		15:42										15:49													
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	NS										NS													
	M	42.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	57.2	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

Date		08/23/2013																							
Survey Type		V - Vessel Based																							
Construction Activity		DRR - Dredging					Comments																		
Tide		Flood																							
Source Location		Dredge 551																							
Sample Location		Upcurrent (Ambient)										Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹										500 ft ²													
Sample ID		082313-D551-F-U										082313-D551-F-D													
Sample Time		12:03										12:13													
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	NS										NS													
	M	48.0	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	70.0	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

Date		08/23/2013																						
Survey Type		V - Vessel Based																						
Construction Activity		DRR - Dredging					Comments																	
Tide		Flood																						
Source Location		Dredge 506																						
Sample Location		Upcurrent (Ambient)												Downcurrent										
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²										
Sample ID		082313-D506-F-U												082313-D506-F-D										
Sample Time		12:45												12:53										
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	40.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	52.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	M	NS												NS										
	B	56.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	55.0	ND	ND	ND	ND	13	ND	ND	ND	ND

- Notes:
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 - 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
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- 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

Date		08/23/2013																								
Survey Type		V - Vessel Based																								
Construction Activity		DRR - Dredging					Comments																			
Tide		Ebb																								
Source Location		Dredge 551																								
Sample Location		Upcurrent (Ambient)												Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²												
Sample ID		082313-D551-E-U												082313-D551-E-D												
Sample Time		14:34												14:26												
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	NS												NS												
	M	36.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	42.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	
	B	NS												NS												

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

Date		08/23/2013																								
Survey Type		V - Vessel Based																								
Construction Activity		DRR - Dredging					Comments																			
Tide		Ebb																								
Source Location		Dredge 506																								
Sample Location		Upcurrent (Ambient)												Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²												
Sample ID		082313-D506-E-U												082313-D506-E-D												
Sample Time		15:05												14:52												
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	37.0	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	55.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	M	NS												NS												
	B	31.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	ND	54.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Notes:

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- No detection limit or water quality standard
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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

Date		08/24/2013																							
Survey Type		V - Vessel Based																							
Construction Activity		DRR - Dredging					Comments																		
Tide		Ebb																							
Source Location		Dredge 506																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²												
Sample ID		082413-D506-E-U											082413-D506-E-D												
Sample Time		14:51											15:08												
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	35	ND	ND	4.9	2.0	15	ND	ND	ND	ND	ND	ND	32	ND	ND	4.5	ND	13	ND	ND	ND	ND	ND	ND
	M	NS											NS												
	B	35	ND	ND	5.2	ND	13	ND	ND	ND	ND	ND	ND	35	ND	ND	5.5	ND	13	ND	ND	ND	ND	ND	ND

- Notes:
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 - 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
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 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
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- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Date		08/24/2013																								
Survey Type		V - Vessel Based																								
Construction Activity		DRR - Dredging						Comments																		
Tide		Flood																								
Source Location		Dredge 506																								
Sample Location		Upcurrent (Ambient)												Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²												
Sample ID		082413-D506-F-U												082413-D506-F-D												
Sample Time		12:04												11:47												
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	50	ND	ND	5.3	ND	14	ND	ND	ND	ND	ND	62	ND	ND	4.8	ND	14	ND	ND	ND	ND	ND	ND		
	M	NS												NS												
	B	94	ND	ND	5.0	ND	14	ND	ND	ND	ND	ND	ND	82	ND	ND	5.1	ND	14	ND	ND	ND	ND	0.20	ND	

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 - 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
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- 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

Date		08/24/2013																							
Survey Type		V - Vessel Based																							
Construction Activity		DRR - Dredging				Comments																			
Tide		Ebb																							
Source Location		Dredge 551																							
Sample Location	Upcurrent (Ambient)												Downcurrent												
Distance to Source	Approx. 500 - 1000 ft ¹												500 ft ²												
Sample ID	082413-D551-E-U												082413-D551-E-D												
Sample Time	15:42												15:30												
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	NS												NS											
	M	28	ND	ND	4.7	ND	15	ND	ND	ND	ND	ND	ND	32	ND	ND	4.6	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
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 - 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

Date		08/25/2013																								
Survey Type		V - Vessel Based																								
Construction Activity		DRR - Dredging						Comments																		
Tide		Flood																								
Source Location		Decant Operations																								
Sample Location		Upcurrent (Ambient)												Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²												
Sample ID		082513-D211-F-U												082513-D211-F-D												
Sample Time		13:31												13:43												
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	44.0	ND	ND	3.2	ND	12	ND	ND	ND	ND	ND	58.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND		
	M	NS												NS												
	B	92.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	70.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	

- Notes:
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 - 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
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- 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

Date		08/25/2013																								
Survey Type		V - Vessel Based																								
Construction Activity		DRR - Dredging						Comments																		
Tide		Flood																								
Source Location		Dredge 506																								
Sample Location		Upcurrent (Ambient)												Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²												
Sample ID		082513-D506-F-U												082513-D506-F-D												
Sample Time		13:01												12:43												
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	43.0	ND	ND	3.4	ND	14	ND	ND	ND	ND	ND	50.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND		
	M	NS												NS												
	B	157	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	121	ND	ND	3.1	ND	12	ND	ND	ND	ND	ND	ND	

- Notes:
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 - 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

Date		08/25/2013																							
Survey Type		V - Vessel Based																							
Construction Activity		DRR - Dredging					Comments																		
Tide		Ebb																							
Source Location		Dredge 551																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²												
Sample ID		082513-D551-E-U											082513-D551-E-D												
Sample Time		16:37											16:48												
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	29.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	26.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
	B	NS											NS												

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 - 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

Date		08/25/2013																							
Survey Type		V - Vessel Based																							
Construction Activity		DRR - Dredging					Comments																		
Tide		Flood																							
Source Location		Dredge 551																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²												
Sample ID		082513-D551-F-U											082513-D551-F-D												
Sample Time		14:25											14:10												
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	37.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	29.0	ND	ND	3.2	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

Date		08/26/2013																							
Survey Type		V - Vessel Based																							
Construction Activity		DRR - Dredging					Comments																		
Tide		Ebb																							
Source Location		Decant Operations																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²												
Sample ID		082613-D211-E-U											082613-D211-E-D												
Sample Time		09:11											08:57												
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	46.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	70.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
	M	NS											NS												
	B	78.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	84.0	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

Date		08/26/2013																								
Survey Type		V - Vessel Based																								
Construction Activity		DRR - Dredging					Comments																			
Tide		Ebb																								
Source Location		Dredge 506																								
Sample Location		Upcurrent (Ambient)												Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹												500 ft ²												
Sample ID		082613-D506-E-U												082613-D506-E-D												
Sample Time		09:34												09:44												
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	NS												NS												
	M	58.0	ND	ND	3.1	ND	ND	ND	ND	ND	ND	ND	ND	69.0	ND	ND	3.1	ND	ND	ND	ND	ND	ND	ND		
	B	NS												NS												

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 - 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

Date		08/26/2013																							
Survey Type		V - Vessel Based																							
Construction Activity		DRR - Dredging					Comments																		
Tide		Ebb																							
Source Location		Dredge 551																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²												
Sample ID		082613-D551-E-U											082613-D551-E-D												
Sample Time		08:39											08:27												
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	NS											NS												
	M	40.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	43.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	B	NS											NS												

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 - 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

Date		08/26/2013																							
Survey Type		V - Vessel Based																							
Construction Activity		DRR - Dredging					Comments																		
Tide		Flood																							
Source Location		Dredge 551																							
Sample Location		Upcurrent (Ambient)										Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹										500 ft ²													
Sample ID		082613-D551-F-U										082613-D551-F-D													
Sample Time		11:43										11:52													
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	31.0	ND	ND	3.0	ND	11	ND	ND	ND	ND	ND	ND	62.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
	B	NS										NS													

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 - 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
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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

Date		08/27/2013																						
Survey Type		V - Vessel Based																						
Construction Activity		DRR - Dredging					Comments																	
Tide		Ebb																						
Source Location		Dredge 506																						
Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²											
Sample ID		082713-D506-E-U											082713-D506-E-D											
Sample Time		09:32											09:10											
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	51.0	ND	ND	3.3	ND	10	ND	ND	ND	ND	ND	62.0	ND	ND	3.4	ND	13	ND	ND	ND	ND	ND	ND
	M	NS											NS											
	B	60.0	ND	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	62.0	ND	ND	3.4	ND	11	ND	ND	ND	ND	ND

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 - ² Samples collected at the edge of the 500 ft mixing zone
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 - 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
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 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Date		08/27/2013																							
Survey Type		V - Vessel Based																							
Construction Activity		DRR - Dredging					Comments																		
Tide		Ebb																							
Source Location		Dredge 551																							
Sample Location		Upcurrent (Ambient)										Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹										500 ft ²													
Sample ID		082713-D551-E-U										082713-D551-E-D													
Sample Time		08:47										08:32													
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	NS										NS													
	M	41.0	ND	ND	3.4	ND	11	ND	ND	ND	ND	ND	ND	40.0	ND	ND	3.2	ND	11	ND	ND	ND	ND	ND	ND
	B	NS										NS													

Notes:

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- ² Samples collected at the edge of the 500 ft mixing zone
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- 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

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

Date		08/27/2013																							
Survey Type		V - Vessel Based																							
Construction Activity		DRR - Dredging					Comments																		
Tide		Flood																							
Source Location		Dredge 551																							
Sample Location		Upcurrent (Ambient)										Downcurrent													
Distance to Source		Approx. 500 - 1000 ft ¹										500 ft ²													
Sample ID		082713-D551-F-U										082713-D551-F-D													
Sample Time		16:39										16:30													
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	NS										NS													
	M	35.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	34.0	ND	ND	3.0	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
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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