

Survey Date		08/05/2019																						
Survey Type		V - Vessel Based																						
Construction Activity		TIPC - Timber Pile Cap Foundation Removal				Comments																		
Tide		Ebb																						
Source Location		B136																						
Sample Location	Upcurrent (Ambient)												Downcurrent											
Distance to Source	Approx. 500 - 1000 ft <sup>1</sup>												500 ft <sup>2</sup>											
Sample ID	080519-TIPC-E-U												080519-TIPC-E-D											
Sample Time	09:01												08:48											
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 <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard <sup>3</sup>	*	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 <sup>4</sup>	S	NS												NS										
	M	23.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	109	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	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

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

-- 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

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.

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		08/06/2019																						
Survey Type		V - Vessel Based																						
Construction Activity		TIPC - Timber Pile Cap Foundation Removal				Comments																		
Tide		Ebb																						
Source Location		B137																						
Sample Location	Upcurrent (Ambient)											Downcurrent												
Distance to Source	Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
Sample ID	080619-TIPC-E-U											080619-TIPC-E-D												
Sample Time	09:34											09:15												
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 <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard <sup>3</sup>	*	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 <sup>4</sup>	S	NS											NS											
	M	75	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	120	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	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

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

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NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		08/06/2019																								
Survey Type		V - Vessel Based																								
Construction Activity		DBRI - Debris Removal				Comments																				
Tide		Ebb																								
Source Location		B176																								
Sample Location		Upcurrent (Ambient)												Downcurrent												
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>												500 ft <sup>2</sup>												
Sample ID		080619-DBRI-E-U												080619-DBRI-E-D												
Sample Time		11:04												10:47												
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 <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard <sup>3</sup>	*	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 <sup>4</sup>	S	18.6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	22.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	M	76.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	23	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	B	42.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	41	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	

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

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

-- No detection limit or water quality standard

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NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		08/12/2019																						
Survey Type		V - Vessel Based																						
Construction Activity		TIPC - Timber Pile Cap Foundation Removal				Comments																		
Tide		Ebb																						
Source Location		B140																						
Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>											
Sample ID		081219-TIPC-E-U											081219-TIPC-E-D											
Sample Time		13:25											13:16											
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 <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
Water Quality Standard <sup>3</sup>	*	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 <sup>4</sup>	S	NS											NS											
	M	30	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	42.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	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

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NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

<b>Survey Date</b>		08/12/2019																								
<b>Survey Type</b>		V - Vessel Based																								
<b>Construction Activity</b>		DBRI - Debris Removal				<b>Comments</b>																				
<b>Tide</b>		Flood																								
<b>Source Location</b>		B173																								
<b>Sample Location</b>		<b>Upcurrent (Ambient)</b>											<b>Downcurrent</b>													
<b>Distance to Source</b>		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>													
<b>Sample ID</b>		081219-DBRI-F-U											081219-DBRI-F-D													
<b>Sample Time</b>		09:54											09:40													
<b>Parameter</b>	<b>Total Suspended Solids</b>	<b>Mercury</b>	<b>Nickel</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>	<b>PCB</b>				<b>Naphthalene</b>	<b>Benzo(a)pyrene</b>	<b>Total Suspended Solids</b>	<b>Mercury</b>	<b>Nickel</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>	<b>PCB</b>				<b>Naphthalene</b>	<b>Benzo(a)pyrene</b>		
							<b>Aroclor 1242</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>									<b>Aroclor 1242</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>				
<b>Unit</b>		<b>(ppm)</b>	<b>(ppb)</b>											<b>(ppm)</b>	<b>(ppb)</b>											
<b>Detection Limit<sup>3</sup></b>		<b>Ambient + 100</b>	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	<b>Ambient + 100</b>	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	
<b>Water Quality Standard<sup>3</sup></b>		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	
<b>Analytical Result<sup>4</sup></b>	<b>S</b>	16.2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	18.6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	<b>M</b>	33.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	40	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	<b>B</b>	56.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	48.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

- Notes:
- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
  - <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
  - <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
  - 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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<b>Survey Date</b>		08/13/2019																							
<b>Survey Type</b>		V - Vessel Based																							
<b>Construction Activity</b>		TIPC - Timber Pile Cap Foundation Removal				<b>Comments</b>																			
<b>Tide</b>		Flood																							
<b>Source Location</b>		B140																							
<b>Sample Location</b>		<b>Upcurrent (Ambient)</b>											<b>Downcurrent</b>												
<b>Distance to Source</b>		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
<b>Sample ID</b>		081319-TIPC-F-U											081319-TIPC-F-D												
<b>Sample Time</b>		08:50											08:38												
<b>Parameter</b>	<b>Total Suspended Solids</b>	<b>Mercury</b>	<b>Nickel</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>	<b>PCB</b>				<b>Naphthalene</b>	<b>Benzo(a)pyrene</b>	<b>Total Suspended Solids</b>	<b>Mercury</b>	<b>Nickel</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>	<b>PCB</b>				<b>Naphthalene</b>	<b>Benzo(a)pyrene</b>	
							<b>Aroclor 1242</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>									<b>Aroclor 1242</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>			
<b>Unit</b>		(ppm)	(ppb)											(ppm)	(ppb)										
<b>Detection Limit<sup>3</sup></b>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
<b>Water Quality Standard<sup>3</sup></b>		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
<b>Analytical Result<sup>4</sup></b>	<b>S</b>	27.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	39.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	<b>M</b>	NS											NS												
	<b>B</b>	47	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	49.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

- Notes:
- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
  - <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
  - <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
  - 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
- 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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<b>Survey Date</b>		08/13/2019																							
<b>Survey Type</b>		V - Vessel Based																							
<b>Construction Activity</b>		DBRI - Debris Removal				<b>Comments</b>																			
<b>Tide</b>		Flood																							
<b>Source Location</b>		B173																							
<b>Sample Location</b>		<b>Upcurrent (Ambient)</b>											<b>Downcurrent</b>												
<b>Distance to Source</b>		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
<b>Sample ID</b>		081319-DBRI-F-U											081319-DBRI-F-D												
<b>Sample Time</b>		09:18											09:04												
<b>Parameter</b>	<b>Total Suspended Solids</b>	<b>Mercury</b>	<b>Nickel</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>	<b>PCB</b>				<b>Naphthalene</b>	<b>Benzo(a)pyrene</b>	<b>Total Suspended Solids</b>	<b>Mercury</b>	<b>Nickel</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>	<b>PCB</b>				<b>Naphthalene</b>	<b>Benzo(a)pyrene</b>	
							<b>Aroclor 1242</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>									<b>Aroclor 1242</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>			
<b>Unit</b>		<b>(ppm)</b>	<b>(ppb)</b>										<b>(ppm)</b>	<b>(ppb)</b>											
<b>Detection Limit<sup>3</sup></b>		<b>Ambient + 100</b>	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	<b>Ambient + 100</b>	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
<b>Water Quality Standard<sup>3</sup></b>		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
<b>Analytical Result<sup>4</sup></b>	<b>S</b>	23.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	23.4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	<b>M</b>	60	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	61.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	<b>B</b>	95.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	42.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

- Notes:
- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
  - <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
  - <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
  - 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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Survey Date		08/15/2019																						
Survey Type		V - Vessel Based																						
Construction Activity		DBRI - Debris Removal				Comments																		
Tide		Ebb																						
Source Location		B167																						
Sample Location	Upcurrent (Ambient)												Downcurrent											
Distance to Source	Approx. 500 - 1000 ft <sup>1</sup>												500 ft <sup>2</sup>											
Sample ID	081519-DBRI-E-U												081519-DBRI-E-D											
Sample Time	14:42												14:33											
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 <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard <sup>3</sup>	*	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 <sup>4</sup>	S	NS												NS										
	M	27.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	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

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Survey Date		08/15/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		SIDI - Silt Displacement				Comments																			
Tide		Flood																							
Source Location		B166																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
Sample ID		081519-SIDI-F-U											081519-SIDI-F-D												
Sample Time		09:15											09:01												
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 <sup>3</sup>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
Water Quality Standard <sup>3</sup>		*	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 <sup>4</sup>	S	30.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	37	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	NS											NS												
	B	31.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	35.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

- Notes:
- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
  - <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
  - <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
  - 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
- 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.
- NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

<b>Survey Date</b>		08/15/2019																							
<b>Survey Type</b>		V - Vessel Based																							
<b>Construction Activity</b>		TIPC - Timber Pile Cap Foundation Removal				<b>Comments</b>																			
<b>Tide</b>		Flood																							
<b>Source Location</b>		B142																							
<b>Sample Location</b>		<b>Upcurrent (Ambient)</b>											<b>Downcurrent</b>												
<b>Distance to Source</b>		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
<b>Sample ID</b>		081519-TIPC-F-U											081519-TIPC-F-D												
<b>Sample Time</b>		09:50											09:37												
<b>Parameter</b>	<b>Total Suspended Solids</b>	<b>Mercury</b>	<b>Nickel</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>	<b>PCB</b>				<b>Naphthalene</b>	<b>Benzo(a)pyrene</b>	<b>Total Suspended Solids</b>	<b>Mercury</b>	<b>Nickel</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>	<b>PCB</b>				<b>Naphthalene</b>	<b>Benzo(a)pyrene</b>	
							<b>Aroclor 1242</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>									<b>Aroclor 1242</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>			
<b>Unit</b>		(ppm)	(ppb)											(ppm)	(ppb)										
<b>Detection Limit<sup>3</sup></b>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
<b>Water Quality Standard<sup>3</sup></b>		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
<b>Analytical Result<sup>4</sup></b>	<b>S</b>	33	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	51	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	<b>M</b>	NS											NS												
	<b>B</b>	64	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	47.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes: <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

<sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

-- 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

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.

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		08/16/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		DBRI - Debris Removal					Comments		Ambient data from TIPC																
Tide		Flood																							
Source Location		B173																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
Sample ID		081619-TIPC-F-U											081619-DBRI-F-D												
Sample Time		9:48											09:59												
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 <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	
Water Quality Standard <sup>3</sup>	*	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 <sup>4</sup>	S	35	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	28	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	M	NS											39.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	68.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	43.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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

-- 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

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

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

Survey Date		08/16/2019																						
Survey Type		V - Vessel Based																						
Construction Activity		TIPC - Timber Pile Cap Foundation Removal					Comments																	
Tide		Flood																						
Source Location		B140																						
Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											750 ft <sup>2</sup>											
Sample ID		081619-TIPC-F-U											081619-TIPC-F-D											
Sample Time		09:48											09:38											
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 <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
Water Quality Standard <sup>3</sup>	*	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 <sup>4</sup>	S	35	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	41	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	NS											NS											
	B	68.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	51.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes: <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>2</sup> Samples collected as close to the edge of the 500ft mixing zone as practicable

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

<sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

-- 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

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.

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		08/19/2019																								
Survey Type		V - Vessel Based																								
Construction Activity		DBRI - Debris Removal				Comments																				
Tide		Flood																								
Source Location		B173																								
Sample Location		Upcurrent (Ambient)											Downcurrent													
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>													
Sample ID		081919-DBRI-F-U											081919-DBRI-F-D													
Sample Time		11:32											11:18													
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 <sup>3</sup>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	
Water Quality Standard <sup>3</sup>		*	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 <sup>4</sup>		S	13	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	153	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
		M	12.6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	24.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
		B	17	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	47.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes: <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

<sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

Reported value exceeds the Water Quality Standard as stated in Condition 61 of 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

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

<b>Survey Date</b>		08/19/2019																							
<b>Survey Type</b>		V - Vessel Based																							
<b>Construction Activity</b>		TIPC - Timber Pile Cap Foundation Removal					<b>Comments</b>																		
<b>Tide</b>		Flood																							
<b>Source Location</b>		B144																							
<b>Sample Location</b>		<b>Upcurrent (Ambient)</b>											<b>Downcurrent</b>												
<b>Distance to Source</b>		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
<b>Sample ID</b>		081919-TIPC-F-U											081919-TIPC-F-D												
<b>Sample Time</b>		11:56											11:43												
<b>Parameter</b>	<b>Total Suspended Solids</b>	<b>Mercury</b>	<b>Nickel</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>	<b>PCB</b>				<b>Naphthalene</b>	<b>Benzo(a)pyrene</b>	<b>Total Suspended Solids</b>	<b>Mercury</b>	<b>Nickel</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>	<b>PCB</b>				<b>Naphthalene</b>	<b>Benzo(a)pyrene</b>	
							<b>Aroclor 1242</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>									<b>Aroclor 1242</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>			
<b>Unit</b>		(ppm)	(ppb)											(ppm)	(ppb)										
<b>Detection Limit<sup>3</sup></b>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
<b>Water Quality Standard<sup>3</sup></b>		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
<b>Analytical Result<sup>4</sup></b>	<b>S</b>	19.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	<b>M</b>	NS											NS												
	<b>B</b>	34.6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	32.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

- Notes:
- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
  - <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
  - <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
  - 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
- 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.
- NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

<b>Survey Date</b>		08/20/2019																							
<b>Survey Type</b>		V - Vessel Based																							
<b>Construction Activity</b>		TIPC - Timber Pile Cap Foundation Removal					<b>Comments</b>																		
<b>Tide</b>		Flood																							
<b>Source Location</b>		B146																							
<b>Sample Location</b>		<b>Upcurrent (Ambient)</b>											<b>Downcurrent</b>												
<b>Distance to Source</b>		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
<b>Sample ID</b>		082019-TIPC-F-U											082019-TIPC-F-D												
<b>Sample Time</b>		11:05											10:55												
<b>Parameter</b>	<b>Total Suspended Solids</b>	<b>Mercury</b>	<b>Nickel</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>	<b>PCB</b>				<b>Naphthalene</b>	<b>Benzo(a)pyrene</b>	<b>Total Suspended Solids</b>	<b>Mercury</b>	<b>Nickel</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>	<b>PCB</b>				<b>Naphthalene</b>	<b>Benzo(a)pyrene</b>	
							<b>Aroclor 1242</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>									<b>Aroclor 1242</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>			
<b>Unit</b>		(ppm)	(ppb)										(ppm)	(ppb)											
<b>Detection Limit<sup>3</sup></b>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
<b>Water Quality Standard<sup>3</sup></b>		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
<b>Analytical Result<sup>4</sup></b>	<b>S</b>	34	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	33.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	<b>M</b>	NS											NS												
	<b>B</b>	42.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	103	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

- Notes:
- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
  - <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
  - <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
  - 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
- 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.
- NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		08/20/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		DBRI - Debris Removal				Comments																			
Tide		Ebb																							
Source Location		B173																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
Sample ID		082019-DBRI-E-U											082019-DBRI-E-D												
Sample Time		08:51											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 <sup>3</sup>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
Water Quality Standard <sup>3</sup>		*	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 <sup>4</sup>	S	28.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	22.4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	33	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	15	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	41	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	30.4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes: <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

<sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

-- 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

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.



Survey Date		08/21/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		DBRI - Debris Removal				Comments																			
Tide		Ebb																							
Source Location		B173																							
Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>												500 ft <sup>2</sup>											
Sample ID		082119-DBRI-E-U												082119-DBRI-E-D											
Sample Time		09:20												09:07											
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 <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	
Water Quality Standard <sup>3</sup>	*	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 <sup>4</sup>	S	15	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	18.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	25.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	21.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	38	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	22.4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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

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

-- 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

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

<b>Survey Date</b>		08/21/2019																							
<b>Survey Type</b>		V - Vessel Based																							
<b>Construction Activity</b>		TIPC - Timber Pile Cap Foundation Removal				<b>Comments</b>																			
<b>Tide</b>		Flood																							
<b>Source Location</b>		B147																							
<b>Sample Location</b>		<b>Upcurrent (Ambient)</b>											<b>Downcurrent</b>												
<b>Distance to Source</b>		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
<b>Sample ID</b>		082119-TIPC-F-U											082119-TIPC-F-D												
<b>Sample Time</b>		10:19											10:10												
<b>Parameter</b>	<b>Total Suspended Solids</b>	<b>Mercury</b>	<b>Nickel</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>	<b>PCB</b>				<b>Naphthalene</b>	<b>Benzo(a)pyrene</b>	<b>Total Suspended Solids</b>	<b>Mercury</b>	<b>Nickel</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>	<b>PCB</b>				<b>Naphthalene</b>	<b>Benzo(a)pyrene</b>	
							<b>Aroclor 1242</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>									<b>Aroclor 1242</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>			
<b>Unit</b>		(ppm)	(ppb)											(ppm)	(ppb)										
<b>Detection Limit<sup>3</sup></b>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
<b>Water Quality Standard<sup>3</sup></b>		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
<b>Analytical Result<sup>4</sup></b>	<b>S</b>	26.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	29.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	<b>M</b>	NS											NS												
	<b>B</b>	28.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	26	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

- Notes:
- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
  - <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
  - <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
  - 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
- 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.
- NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		08/22/2019																								
Survey Type		V - Vessel Based																								
Construction Activity		DBRI - Debris Removal				Comments																				
Tide		Ebb																								
Source Location		B173																								
Sample Location		Upcurrent (Ambient)												Downcurrent												
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>												500 ft <sup>2</sup>												
Sample ID		082219-DBRI-E-U												082219-DBRI-E-D												
Sample Time		11:02												10:45												
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 <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1		
Water Quality Standard <sup>3</sup>	*	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 <sup>4</sup>	S	24.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	12.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	M	12.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	14.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	B	20	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	29.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	

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

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

-- 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

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		08/22/2019																						
Survey Type		V - Vessel Based																						
Construction Activity		TIPC - Timber Pile Cap Foundation Removal				Comments																		
Tide		Ebb																						
Source Location		B147																						
Sample Location	Upcurrent (Ambient)												Downcurrent											
Distance to Source	Approx. 500 - 1000 ft <sup>1</sup>												500 ft <sup>2</sup>											
Sample ID	082219-TIPC-E-U												082219-TIPC-E-D											
Sample Time	09:06												08:54											
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 <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard <sup>3</sup>	*	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 <sup>4</sup>	S	38	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	85.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	NS												NS										
	B	110	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	36	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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

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

-- 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

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.

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		08/23/2019																								
Survey Type		V - Vessel Based																								
Construction Activity		DBRI - Debris Removal				Comments																				
Tide		Ebb																								
Source Location		B173																								
Sample Location		Upcurrent (Ambient)												Downcurrent												
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>												500 ft <sup>2</sup>												
Sample ID		082319-DBRI-E-U												082319-DBRI-E-D												
Sample Time		11:23												11:06												
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 <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard <sup>3</sup>	*	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 <sup>4</sup>	S	25	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	12.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	M	13.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	6.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	B	22	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	22	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	

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

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

-- 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

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		08/23/2019																						
Survey Type		V - Vessel Based																						
Construction Activity		TIPC - Timber Pile Cap Foundation Removal				Comments																		
Tide		Ebb																						
Source Location		B148																						
Sample Location	Upcurrent (Ambient)												Downcurrent											
Distance to Source	Approx. 500 - 1000 ft <sup>1</sup>												500 ft <sup>2</sup>											
Sample ID	082319-TIPC-E-U												082319-TIPC-E-D											
Sample Time	10:55												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 <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1
Water Quality Standard <sup>3</sup>	*	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 <sup>4</sup>	S	19.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	25	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	NS												NS										
	B	20.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	25.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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

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

-- 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

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.

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		08/26/2019																						
Survey Type		V - Vessel Based																						
Construction Activity		DBRI - Debris Removal				Comments																		
Tide		Ebb																						
Source Location		B184																						
Sample Location	Upcurrent (Ambient)												Downcurrent											
Distance to Source	Approx. 500 - 1000 ft <sup>1</sup>												500 ft <sup>2</sup>											
Sample ID	082619-DBRI-E-U												082619-DBRI-E-D											
Sample Time	09:32												09:21											
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)											(ppm)	(ppb)										
Detection Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
Water Quality Standard <sup>3</sup>	*	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 <sup>4</sup>	S	17	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	23	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	B	14.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	44.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes: <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

<sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

-- 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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NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		08/26/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		TIPC - Timber Pile Cap Foundation Removal				Comments																			
Tide		Ebb																							
Source Location		Bent 143																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
Sample ID		082619-TIPC-E-U											082619-TIPC-E-D												
Sample Time		11:06											10:55												
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 <sup>3</sup>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
Water Quality Standard <sup>3</sup>		*	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 <sup>4</sup>	S	39	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	69.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	B	21.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	79.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes: <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

<sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

-- 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

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.

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.



Survey Date		08/27/2019																						
Survey Type		V - Vessel Based																						
Construction Activity		DBRI - Debris Removal				Comments																		
Tide		Ebb																						
Source Location		B169																						
Sample Location	Upcurrent (Ambient)												Downcurrent											
Distance to Source	Approx. 500 - 1000 ft <sup>1</sup>												500 ft <sup>2</sup>											
Sample ID	082719-DBRI-E-U												082719-DBRI-E-D											
Sample Time	11:23												11:11											
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)											(ppm)	(ppb)										
Detection Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
Water Quality Standard <sup>3</sup>	*	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 <sup>4</sup>	S	16	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	12.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	B	16.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	21.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes: <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

<sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

-- 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

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.

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		08/27/2019																						
Survey Type		V - Vessel Based																						
Construction Activity		TIPC - Timber Pile Cap Foundation Removal				Comments																		
Tide		Ebb																						
Source Location		B148																						
Sample Location	Upcurrent (Ambient)												Downcurrent											
Distance to Source	Approx. 500 - 1000 ft <sup>1</sup>												500 ft <sup>2</sup>											
Sample ID	082719-TIPC-E-U												082719-TIPC-E-D											
Sample Time	09:59												09:48											
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
Unit	(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
Water Quality Standard <sup>3</sup>	*	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 <sup>4</sup>	S	19	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	18.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	B	32.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	22.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes: <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

<sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

-- 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

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.

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		08/28/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		DBRI - Debris Removal				Comments																			
Tide		Ebb																							
Source Location		B178																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
Sample ID		082819-DBRI-E-U											082819-DBRI-E-D												
Sample Time		12:29											12:15												
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 <sup>3</sup>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
Water Quality Standard <sup>3</sup>		*	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 <sup>4</sup>	S	18.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	22.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	11.2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	23.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	48	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	21.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes: <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

<sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

-- 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

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		08/29/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		DBRI - Debris Removal					Comments																		
Tide		Flood																							
Source Location		B178																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
Sample ID		082919-DBRI-F-U											082919-DBRI-F-D												
Sample Time		08:50											08:33												
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 <sup>3</sup>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
Water Quality Standard <sup>3</sup>		*	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 <sup>4</sup>	S	19	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	35	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	28	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	38.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	61	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	50.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes: <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

<sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

-- 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

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

<b>Survey Date</b>		08/30/2019																							
<b>Survey Type</b>		V - Vessel Based																							
<b>Construction Activity</b>		DBRI - Debris Removal					<b>Comments</b>																		
<b>Tide</b>		Flood																							
<b>Source Location</b>		B176																							
<b>Sample Location</b>		<b>Upcurrent (Ambient)</b>											<b>Downcurrent</b>												
<b>Distance to Source</b>		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
<b>Sample ID</b>		083019-DBRI-F-U											083019-DBRI-F-D												
<b>Sample Time</b>		08:41											08:28												
<b>Parameter</b>	<b>Total Suspended Solids</b>	<b>Mercury</b>	<b>Nickel</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>	<b>PCB</b>				<b>Naphthalene</b>	<b>Benzo(a)pyrene</b>	<b>Total Suspended Solids</b>	<b>Mercury</b>	<b>Nickel</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>	<b>PCB</b>				<b>Naphthalene</b>	<b>Benzo(a)pyrene</b>	
							<b>Aroclor 1242</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>									<b>Aroclor 1242</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>			
<b>Unit</b>		(ppm)	(ppb)											(ppm)	(ppb)										
<b>Detection Limit<sup>3</sup></b>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
<b>Water Quality Standard<sup>3</sup></b>		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
<b>Analytical Result<sup>4</sup></b>	<b>S</b>	21	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	24	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	<b>M</b>	24	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	30.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	<b>B</b>	68.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	47.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes: <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

<sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

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NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.