Survey Date		01/14/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		DBRI - Debris Removal		**Comments**																					
Tide		Flood																							
Source Location		B188																							
Sample Location		**Upcurrent (Ambient)**											**Downcurrent**												
Distance to Source		Approx. 500 - 1000 ft[1]											200 ft[2]												
Sample ID		011419-DBRI-F-U											011419-DBRI-F-D												
Sample Time		14:15											14:07												
Parameter		**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**	**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**
								Aroclor 1242	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**									**Aroclor 1242**	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**		
Unit		**(ppm)**	**(ppb)**											**(ppm)**	**(ppb)**										
Detection Limit[3]		**Ambient + 100**	**0.07**	**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[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	21.2	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	22.8	*ND*	*ND*	*ND*	*ND*	*ND*	*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 as close to turbidity curtain as practicable

[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

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.

Survey Date		01/15/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		DBRI - Debris Removal		**Comments**																					
Tide		Flood																							
Source Location		B188																							
Sample Location		**Upcurrent (Ambient)**											**Downcurrent**												
Distance to Source		Approx. 500 - 1000 ft[1]											225 ft[2]												
Sample ID		011519-DBRI-F-U											011519-DBRI-F-D												
Sample Time		13:38											13:30												
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**	**0.07**	**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[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	20.6	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	21.8	*ND*	*ND*	*ND*	*ND*	*ND*	*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 as close to turbidity curtain as practicable

[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

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.

Survey Date		01/15/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		BLST - Blasting					**Comments**																		
Tide		Ebb																							
Source Location		East Anchor Span																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												2500 ft[2]											
Sample ID		011519-BLST-E-U												011519-BLST-E-D											
Sample Time		11:52												11:21											
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**
								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**	**0.07**	**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[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**	13.8	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	23.6	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	13.8	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	22.8	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	B	19.2	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	53.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*

Notes:

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

[2] Samples collected as clost to the 500ft mixing zone as practicable

[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

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.

Survey Date	01/17/2019																							
Survey Type	V - Vessel Based																							
Construction Activity	TIPC - Timber Pile Cap Removal						**Comments**																	
Tide	Ebb																							
Source Location	B54																							
Sample Location	**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source	Approx. 500 - 1000 ft[1]												500 ft[2]											
Sample ID	011719-TIPC-E-U												011719-TIPC-E-D											
Sample Time	10:30												10:18											
Parameter	**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**	**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**
							Aroclor 1242	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**									**Aroclor 1242**	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**		
Unit	**(ppm)**	**(ppb)**											**(ppm)**	**(ppb)**										
Detection Limit[3]	**Ambient + 100**	**0.07**	**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[3]	*	**0.0007**	**8.2**	**5.6**	**8.0**	**66**	**--**	**--**	**--**	**--**	**16**	**0.0006**	*	**0.0007**	**8.2**	**5.6**	**8.0**	**66**	**--**	**--**	**--**	**--**	**16**	**0.0006**
Analytical Result[4] **S**	NS												NS											
M	25.4	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	26	*ND*	*ND*	*ND*	*ND*	*ND*	*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

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

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.

Survey Date	01/18/2019																							
Survey Type	V - Vessel Based																							
Construction Activity	TIPC - Timber Pile Cap Removal						**Comments**																	
Tide	Ebb																							
Source Location	B54																							
Sample Location	**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source	Approx. 500 - 1000 ft[1]												500 ft[2]											
Sample ID	011819-TIPC-E-U												011819-TIPC-E-D											
Sample Time	11:38												11:26											
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**	**0.07**	**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[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	22.6	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	22.4	*ND*	*ND*	*ND*	*ND*	*ND*	*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

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

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.

Survey Date		01/23/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		TIPC - Timber Pile Cap Foundation Removal					**Comments**																		
Tide		Flood																							
Source Location		B54																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												500 ft[2]											
Sample ID		012319-TIPC-F-U												012319-TIPC-F-D											
Sample Time		10:22												10:09											
Parameter		**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**	**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**
								Aroclor 1242	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**									**Aroclor 1242**	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**		
Unit		**(ppm)**	**(ppb)**											**(ppm)**	**(ppb)**										
Detection Limit[3]		**Ambient + 100**	**0.07**	**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[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**	186	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	148	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	215	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	153	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*

Notes:

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

[2] Samples collected at the edge of the 500 ft mixing zone

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

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

* 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.

Survey Date		01/25/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		DBRI - Debris Removal			**Comments**																				
Tide		Flood																							
Source Location		B188																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												200 ft[2]											
Sample ID		012519-DBRI-F-U												012519-DBRI-F-D											
Sample Time		13:43												13:34											
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**	**0.07**	**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[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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	M	60	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	59.2	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	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 as close to the turbidity curtain as practicable

[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

ND = Not Detected

Survey Date		01/25/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		SIDI - Silt Displacement		**Comments**																					
Tide		Ebb																							
Source Location		B176																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												500 ft[2]											
Sample ID		012519-SIDI-E-U												012519-SIDI-E-D											
Sample Time		9:18												09:00											
Parameter		**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**	**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**
								Aroclor 1242	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**									**Aroclor 1242**	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit[3]		Ambient + 100	0.07	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[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**	88	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	191	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	139	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	146	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	B	141	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	141	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*

Notes:

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

[2] Samples collected at the edge of the 500 ft mixing zone

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

[4] 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

ND = Not Detected

Survey Date		01/25/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		TIPC - Timber Pile Cap Foundation Removal						**Comments**																	
Tide		Flood																							
Source Location		B126																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												500 ft[2]											
Sample ID		012519-TIPC-F-U												012519-TIPC-F-D											
Sample Time		10:07												09:52											
Parameter		**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**	**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**
								Aroclor 1242	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**									**Aroclor 1242**	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**		
Unit		**(ppm)**	**(ppb)**											**(ppm)**	**(ppb)**										
Detection Limit[3]		**Ambient + 100**	**0.07**	**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[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**	70.8	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	76	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	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	80.4	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	79.2	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*

Notes:

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

[2] Samples collected at the edge of the 500 ft mixing zone

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

[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

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.

Survey Date	01/28/2019		
Survey Type	V - Vessel Based		
Construction Activity	DBRI - Debris Removal	Comments	
Tide	Flood		
Source Location	B188		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												180 ft[2]											
Sample ID		012819-DBRI-F-U												012819-DBRI-F-D											
Sample Time		14:09												14:00											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB Aroclor 1242	PCB Aroclor 1248	PCB Aroclor 1254	PCB Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB Aroclor 1242	PCB Aroclor 1248	PCB Aroclor 1254	PCB Aroclor 1260	Naphthalene	Benzo(a)pyrene
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit[3]		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[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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	M	48.4	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	54.8	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	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 as close to turbidity curtain as practicable

[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

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.

Survey Date		01/28/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		TIPC - Timber Pile Cap Foundation Removal						**Comments**																	
Tide		Ebb																							
Source Location		B131																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												500 ft[2]											
Sample ID		012819-TIPC-E-U												012819-TIPC-E-D											
Sample Time		10:49												10:39											
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**	**0.07**	**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[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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	M	76.4	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	73.6	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	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.

ND = Not Detected

Survey Date	01/28/2019																								
Survey Type	V - Vessel Based																								
Construction Activity	SIDI - Silt Displacement		**Comments**																						
Tide	Ebb																								
Source Location	B176																								
Sample Location	**Upcurrent (Ambient)**													**Downcurrent**											
Distance to Source	Approx. 500 - 1000 ft[1]													500 ft[2]											
Sample ID	012819-SIDI-E-U													012819-SIDI-E-D											
Sample Time	10:16													09:55											
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[3]	**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[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**	78.4	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*		66.4	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	
M	60	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*		82	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	
B	83.6	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*		78.8	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	

Notes:

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

[2] Samples collected at the edge of the 500 ft mixing zone

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

[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

ND = Not Detected

Survey Date		01/29/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		SIDI - Silt Displacement		**Comments**																					
Tide		Ebb																							
Source Location		B176																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		350 ft[1]												300 ft[2]											
Sample ID		012919-SIDI-E-U												012919-SIDI-E-D											
Sample Time		11:29												11:10											
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**	**0.07**	**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[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**	77	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	70.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	83	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	72.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	B	77.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	78	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*

Notes:

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

[2] Samples collected as close to the edge of the 500ft mixing zone as practicable

[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

ND = Not Detected

Survey Date		01/30/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		SIDI - Silt Displacement		**Comments**																					
Tide		Ebb																							
Source Location		B176																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		200 ft[1]												300 ft[2]											
Sample ID		013019-SIDI-E-U												013019-SIDI-E-D											
Sample Time		9:26												09:45											
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[3]		**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[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**	41.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	35	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	42.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	36	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	B	39.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	47	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*

Notes:

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

[2] Samples collected as close to the edge of the 500ft mixing zone as practicable

[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

ND = Not Detected