Survey Date		12/01/2017																							
Survey Type		V - Vessel Based																							
Construction Activity		TIDO - Timber Dolphin Removal						**Comments**																	
Tide		Flood																							
Source Location		Bent 146																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												150 ft[2]											
Sample ID		120117-TIDO-F-U												120117-TIDO-F-D											
Sample Time		08:49												08:36											
Parameter		**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**	**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**
								Aroclor 1242	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**									**Aroclor 1242**	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit[3]		**Ambient + 100**	**0.07**	**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**	25	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	26	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	54	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	36.8	*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 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	12/01/2017		
Survey Type	V - Vessel Based		
Construction Activity	FOPI - Foundation Pile Removal	Comments	
Tide	Ebb		
Source Location	Bent 26		

Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]											200 ft[2]											
Sample ID		120117-FOPI-E-U											120117-FOPI-E-D											
Sample Time		11:38											11:27											
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											
	M	56	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	74.7	*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		12/4/17																							
Survey Type		V - Vessel Based																							
Construction Activity		FOPI- Foundation Pile Removal					**Comments**																		
Tide		Flood																							
Source Location		Bent 26																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												180 ft[2]											
Sample ID		120417-FOPI-F-U												120417-FOPI-F-D											
Sample Time		11:34												11:19											
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**	49	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	82	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	51	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	180	*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 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

Reported value exceeds the Water Quality Standard as stated in Condition 61 of NYSDEC Permit Facility ID 3-9903-00043/00012-14

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		12/4/17																							
Survey Type		V - Vessel Based																							
Construction Activity		TIDO - Timber Dolphin Removal					**Comments**																		
Tide		Flood																							
Source Location		Bent 55																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												130 ft[2]											
Sample ID		120417-TIDO-F-U												120417-TIDO-F-D											
Sample Time		12:00												11:46											
Parameter		**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**	**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**
								Aroclor 1242	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**									**Aroclor 1242**	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**		
Unit		**(ppm)**	**(ppb)**											**(ppm)**	**(ppb)**										
Detection Limit[3]		**Ambient + 100**	**0.07**	**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**	51	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	72	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	64.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	111	*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 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		12/4/17																							
Survey Type		V - Vessel Based																							
Construction Activity		JETT- Jetting					**Comments**																		
Tide		Ebb																							
Source Location		Bent 166																							
Sample Location		**Upcurrent (Ambient)**											**Downcurrent**												
Distance to Source		Approx. 500 - 1000 ft[1]											500 ft[2]												
Sample ID		120417-JETT-E-U											120417-JETT-E-D												
Sample Time		12:57											12:39												
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**	40	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	74	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	52.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	52.3	*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 500ft 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		12/05/2017																							
Survey Type		V - Vessel Based																							
Construction Activity		JETT - Jetting					**Comments**																		
Tide		Flood																							
Source Location		Bent 166																							
Sample Location		**Upcurrent (Ambient)**											**Downcurrent**												
Distance to Source		Approx. 500 - 1000 ft[1]											500 ft[2]												
Sample ID		120517-JETT-F-U											120517-JETT-F-D												
Sample Time		09:40											09:13												
Parameter		**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**	**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**
								Aroclor 1242	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**									**Aroclor 1242**	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit[3]		**Ambient + 100**	**0.07**	**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**	116	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	144	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	127	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	170	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	B	131	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	201	*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		12/05/2017																							
Survey Type		V - Vessel Based																							
Construction Activity		TIDO - Timber Dolphin Removal						**Comments**																	
Tide		Flood																							
Source Location		Bent 52																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												120 ft[2]											
Sample ID		120517-TIDO-F-U												120517-TIDO-F-D											
Sample Time		10:14												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[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**	105	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	158	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	189	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	134	*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 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	12/05/2017		
Survey Type	V - Vessel Based		
Construction Activity	FOPI - Foundation Pile Removal	Comments	
Tide	Flood		
Source Location	Bent 26		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												155 ft[2]											
Sample ID		120517-FOPI-F-U												120517-FOPI-F-D											
Sample Time		10:54												10:36											
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	51.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	94	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	82	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	95	*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 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		12/06/2017																							
Survey Type		V - Vessel Based																							
Construction Activity		TIDO - Timber Dolphin Removal					**Comments**																		
Tide		Flood																							
Source Location		Bent 152																							
Sample Location		**Upcurrent (Ambient)**											**Downcurrent**												
Distance to Source		Approx. 500 - 1000 ft[1]											190 ft[2]												
Sample ID		120617-TIDO-F-U											120617-TIDO-F-D												
Sample Time		10:37											10:21												
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**	71	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	49	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	71	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	58.3	*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 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	12/06/2017																								
Survey Type	V - Vessel Based																								
Construction Activity	JETT - Jetting						**Comments**																		
Tide	Flood																								
Source Location	Bent 173																								
Sample Location	**Upcurrent (Ambient)**												**Downcurrent**												
Distance to Source	Approx. 500 - 1000 ft[1]												500 ft[2]												
Sample ID	120617-JETT-F-U												120617-JETT-F-D												
Sample Time	11:54												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**	69.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	74.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	
M	72.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	81	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	
B	132	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	104	*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	12/06/2017		
Survey Type	V - Vessel Based		
Construction Activity	FOPI - Foundation Pile Removal	Comments	
Tide	Flood		
Source Location	Bent 20		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												100 ft[2]											
Sample ID		120617-FOPI-F-U												120617-FOPI-F-D											
Sample Time		12:36												12:20											
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	47.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	59.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	39.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	82	*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 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		12/07/2017																							
Survey Type		V - Vessel Based																							
Construction Activity		TIFR - Fender Frame Removal					**Comments**																		
Tide		Flood																							
Source Location		Bent 173																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												500 ft[2]											
Sample ID		120717-TIFR-F-U												120717-TIFR-F-D											
Sample Time		09:45												09:14											
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**	36	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	30	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	48	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	39.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	B	61.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	42.7	*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		12/07/2017																							
Survey Type		V - Vessel Based																							
Construction Activity		TIDO - Timber Dolphin Removal					**Comments**																		
Tide		Flood																							
Source Location		Bent 48																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												100 ft[2]											
Sample ID		120717-TIDO-F-U												120717-TIDO-F-D											
Sample Time		10:37												10:16											
Parameter		**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**	**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**
								Aroclor 1242	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**									**Aroclor 1242**	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**		
Unit		**(ppm)**	**(ppb)**											**(ppm)**	**(ppb)**										
Detection Limit[3]		**Ambient + 100**	**0.07**	**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**	71.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	69.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	83	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	73	*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 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	12/07/2017		
Survey Type	V - Vessel Based		
Construction Activity	FOPI - Foundation Pile Removal	Comments	
Tide	Flood		
Source Location	Bent 24		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												75 ft[2]											
Sample ID		120717-FOPI-F-D												120717-FOPI-F-D											
Sample Time		13:02												12:47											
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	a												49.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	a												94.3	*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 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.

a = Data not available, samples were collected, logged on chain of custody, and likely lost during transit to analytical lab.

Survey Date		12/08/2017																							
Survey Type		V - Vessel Based																							
Construction Activity		TIDO - Timber Dolphin Removal						**Comments**																	
Tide		Flood																							
Source Location		Bent 46																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												105 ft[2]											
Sample ID		120817-TIDO-F-U												120817-TIDO-F-D											
Sample Time		09:50												09:37											
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**	36.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	56	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	36.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	62.3	*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 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

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ND = Not Detected

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

Survey Date		12/08/2017																							
Survey Type		V - Vessel Based																							
Construction Activity		FOPI - Foundation Pile Removal						**Comments**																	
Tide		Flood																							
Source Location		Bent 22																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												120 ft[2]											
Sample ID		120817-FOPI-F-U												120817-FOPI-F-D											
Sample Time		11:44												11:30											
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**														
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**	39.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	63.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	44	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	99	*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 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		12/08/2017																							
Survey Type		V - Vessel Based																							
Construction Activity		JETT - Jetting					**Comments**																		
Tide		Flood																							
Source Location		Bent 166																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												500 ft[2]											
Sample ID		120817-JETT-F-U												120817-JETT-F-D											
Sample Time		12:55												12:36											
Parameter		**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**	**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**
								Aroclor 1242	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**									**Aroclor 1242**	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit[3]		**Ambient + 100**	**0.07**	**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**	60.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	65	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	92.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	63	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	B	73.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	61.7	*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		12/11/2017																						
Survey Type		V - Vessel Based																						
Construction Activity		JETT - Jetting					**Comments**																	
Tide		Ebb																						
Source Location		Bent 167																						
Sample Location		**Upcurrent (Ambient)**											**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]											500 ft[2]											
Sample ID		121117-JETT-E-U											121117-JETT-E-D											
Sample Time		11:02											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[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**	76	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	55.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	69	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	62	*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		12/11/2017																							
Survey Type		V - Vessel Based																							
Construction Activity		FOPI - Foundation Pile Removal						**Comments**																	
Tide		Ebb																							
Source Location		Bent 22																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												300 ft[2]											
Sample ID		121117-FOPI-E-U												121117-FOPI-E-D											
Sample Time		11:53												11:40											
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	30.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	35	*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		12/11/2017																							
Survey Type		V - Vessel Based																							
Construction Activity		TIDO - Timber Dolphin Removal					**Comments**																		
Tide		Ebb																							
Source Location		Bent 44																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												150 ft[2]											
Sample ID		121117-TIDO-E-U												121117-TIDO-E-D											
Sample Time		11:29												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**	NS												NS											
	M	33.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	60.5	*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		12/12/2017																							
Survey Type		V - Vessel Based																							
Construction Activity		DBRI - Debris Removal		**Comments**																					
Tide		Ebb																							
Source Location		Bent 27																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												150 ft[2]											
Sample ID		121217-DBRI-E-U												121217-DBRI-E-D											
Sample Time		10:08												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**	35.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	108	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	37	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	147	*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 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

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

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		12/12/2017																							
Survey Type		V - Vessel Based																							
Construction Activity		FOPI - Foundation Pile Removal					**Comments**																		
Tide		Ebb																							
Source Location		Bent 23																							
Sample Location		**Upcurrent (Ambient)**											**Downcurrent**												
Distance to Source		Approx. 500 - 1000 ft[1]											120 ft[2]												
Sample ID		121217-FOPI-E-U											121217-FOPI-E-D												
Sample Time		10:59											10:51												
Parameter		**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**	**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**
								Aroclor 1242	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**									**Aroclor 1242**	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit[3]		Ambient + 100	0.07	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	47	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	108	*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	12/12/2017		
Survey Type	V - Vessel Based		
Construction Activity	TIDO - Timber Dolphin Removal	Comments	
Tide	Ebb		
Source Location	Bent 33		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												120 ft[2]											
Sample ID		121217-TIDO-E-U												121217-TIDO-E-D											
Sample Time		10:40												10:26											
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	35	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	48.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	3.0	*ND*
	M	NS												NS											
	B	43	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	53.7	*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 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		12/13/2017																						
Survey Type		V - Vessel Based																						
Construction Activity		DBRI - Debris Removal			**Comments**																			
Tide		Ebb																						
Source Location		Bent 22																						
Sample Location		**Upcurrent (Ambient)**											**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]											150 ft[2]											
Sample ID		121317-DBRI-E-U											121317-DBRI-E-D											
Sample Time		11:22											11:08											
Parameter		**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**	**Total Suspended Solids**	**Mercury**	**Nickel**	**Copper**	**Lead**	**Zinc**	**PCB**				**Naphthalene**	**Benzo(a)pyrene**
								Aroclor 1242	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**									**Aroclor 1242**	**Aroclor 1248**	**Aroclor 1254**	**Aroclor 1260**		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit[3]		Ambient + 100	0.07	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	38.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	130	*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		12/13/2017																							
Survey Type		V - Vessel Based																							
Construction Activity		TIDO - Timber Dolphin Removal					**Comments**																		
Tide		Ebb																							
Source Location		Bent 32																							
Sample Location		**Upcurrent (Ambient)**												**Downcurrent**											
Distance to Source		Approx. 500 - 1000 ft[1]												500 ft[2]											
Sample ID		121317-TIDO-E-U												121317-TIDO-E-D											
Sample Time		11:55												11:45											
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**	NS												NS											
	M	60.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	53.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	4.1	*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	12/14/2017		
Survey Type	V - Vessel Based		
Construction Activity	DBRI - Debris Removal	Comments	
Tide	Ebb		
Source Location	Bent 23		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												180 ft[2]											
Sample ID		121417-DBRI-E-U												121417-DBRI-E-D											
Sample Time		11:30												11:18											
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											
	M	51.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	271	*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

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

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	12/14/2017		
Survey Type	V - Vessel Based		
Construction Activity	TIDO - Timber Dolphin Removal	Comments	
Tide	Ebb		
Source Location	Bent 76		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												140 ft[2]											
Sample ID		121417-TIDO-E-U												121417-TIDO-E-D											
Sample Time		12:01												11:43											
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	46.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	44.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	46.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	51.3	*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 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	12/14/2017		
Survey Type	V - Vessel Based		
Construction Activity	JETT - Jetting	Comments	
Tide	Ebb		
Source Location	Bent 167		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												500 ft[2]											
Sample ID		121417-JETT-E-U												121417-JETT-E-D											
Sample Time		12:55												12:36											
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	80	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	81.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	96.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	74	*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	12/15/2017		
Survey Type	V - Vessel Based		
Construction Activity	TIDO - Timber Dolphin Removal	Comments	
Tide	Flood		
Source Location	Bent 74		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												120 ft[2]											
Sample ID		121517-TIDO-F-U												121517-TIDO-F-D											
Sample Time		09:50												09:37											
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	39.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	50	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	49	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	53	*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 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	12/15/2017		
Survey Type	V - Vessel Based		
Construction Activity	JETT - Jetting	Comments	
Tide	Ebb		
Source Location	Bent 167		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												500 ft[2]											
Sample ID		121517-JETT-E-U												121517-JETT-E-D											
Sample Time		10:58												10:38											
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	35	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	37.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	38.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	36.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	B	44.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	48.3	*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	12/15/2017		
Survey Type	V - Vessel Based		
Construction Activity	DBRI - Debris Removal	Comments	
Tide	Ebb		
Source Location	Bent 24		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												160 ft[2]											
Sample ID		121517-DBRI-E-U												121517-DBRI-E-D											
Sample Time		11:44												11:28											
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	39.8	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	182	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	46.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	212	*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 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

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

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	12/15/2017		
Survey Type	V - Vessel Based		
Construction Activity	TIFR - Fender Frame Removal	Comments	
Tide	Ebb		
Source Location	Bent 176		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												210 ft[2]											
Sample ID		121517-TIFR-E-U												121517-TIFR-E-D											
Sample Time		13:12												12:53											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit[3]		Ambient + 100	0.07	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	33	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	37.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	39.8	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	36.8	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	B	49.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	44.3	*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 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	12/18/2017		
Survey Type	V - Vessel Based		
Construction Activity	DBRI - Debris Removal	Comments	
Tide	Flood		
Source Location	Bent 24		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												300 ft[2]											
Sample ID		121817-DBRI-F-U												121817-DBRI-F-D											
Sample Time		09:56												09:41											
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	24	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	36.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	25.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	134	*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 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

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

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	12/18/2017		
Survey Type	V - Vessel Based		
Construction Activity	TIDO - Timber Dolphin Removal	Comments	
Tide	Flood		
Source Location	Bent 157		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												180 ft[2]											
Sample ID		121817-TIDO-F-U												121817-TIDO-F-D											
Sample Time		11:06												10:51											
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	31.8	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	35.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	48	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	60.3	*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 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	12/18/2017		
Survey Type	V - Vessel Based		
Construction Activity	TIFR - Fender Frame Removal	Comments	
Tide	Ebb		
Source Location	Bent 178		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												500 ft[2]											
Sample ID		121817-TIFR-E-U												121817-TIFR-E-D											
Sample Time		13:19												12:52											
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	25.8	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	20.2	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	20.2	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	30.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	B	25.8	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	38	*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	12/19/2017		
Survey Type	V - Vessel Based		
Construction Activity	JETT - Jetting	Comments	
Tide	Flood		
Source Location	Bent 168		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												500 ft[2]											
Sample ID		121917-JETT-F-U												121917-JETT-F-D											
Sample Time		10:39												10:14											
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	17.8	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	19.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	48	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	36.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	B	53.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	61	*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	12/19/2017		
Survey Type	V - Vessel Based		
Construction Activity	TIDO - Timber Dolphin Removal	Comments	
Tide	Flood		
Source Location	Bent 131		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												150 ft[2]											
Sample ID		121917-TIDO-F-U												121917-TIDO-F-D											
Sample Time		11:21												11:07											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene
								Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260														
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	29	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	28	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	44.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	34.3	*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 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	12/20/2017		
Survey Type	V - Vessel Based		
Construction Activity	DBRI - Debris Removal	Comments	
Tide	Flood		
Source Location	Bent 26		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												180 ft[2]											
Sample ID		122017-DBRI-F-U												122017-DBRI-F-D											
Sample Time		09:00												08:50											
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											
	M	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	87	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	12/20/2017		
Survey Type	V - Vessel Based		
Construction Activity	TIDO - Timber Dolphin Removal	Comments	
Tide	Flood		
Source Location	Bent 65		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												170 ft[2]											
Sample ID		122017-TIDO-F-U												122017-TIDO-F-D											
Sample Time		09:28												09:13											
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	48	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	47.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	57.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	47.3	*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 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	12/20/2017																									
Survey Type	V - Vessel Based																									
Construction Activity	JETT - Jetting						**Comments**																			
Tide	Flood																									
Source Location	Bent 168																									
Sample Location	**Upcurrent (Ambient)**												**Downcurrent**													
Distance to Source	Approx. 500 - 1000 ft[1]												500 ft[2]													
Sample ID	122017-JETT-F-U												122017-JETT-F-D													
Sample Time	10:15												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**		
							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**	19.8	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	43.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*		
M	29.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	34	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*		
B	55	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	49	*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	12/21/2017		
Survey Type	V - Vessel Based		
Construction Activity	TIDO - Timber Dolphin Removal	Comments	
Tide	Flood		
Source Location	Bent 82		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												200 ft[2]											
Sample ID		122117-TIDO-F-U												122117-TIDO-F-D											
Sample Time		09:36												09:17											
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	37	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	38	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	NS												NS											
	B	43.8	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	22.7	*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 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	12/21/2017																								
Survey Type	V - Vessel Based																								
Construction Activity	SIDI - Silt Displacement					**Comments**																			
Tide	Flood																								
Source Location	Bent 168																								
Sample Location	**Upcurrent (Ambient)**													**Downcurrent**											
Distance to Source	Approx. 500 - 1000 ft[1]													500 ft[2]											
Sample ID	122117-SIDI-F-U													122117-SIDI-F-D											
Sample Time	10:12													09:58											
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**	31.3	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*		50.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	
M	NS													NS											
B	56.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*		81.7	*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	12/21/2017		
Survey Type	V - Vessel Based		
Construction Activity	JETT - Jetting	Comments	
Tide	Flood		
Source Location	Bent 179		

Sample Location		Upcurrent (Ambient)												Downcurrent											
Distance to Source		Approx. 500 - 1000 ft[1]												500 ft[2]											
Sample ID		122117-JETT-F-U												122117-JETT-F-D											
Sample Time		10:54												10:31											
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	29.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	26.5	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	M	44	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	46.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
	B	64.7	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	61	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*

Notes:

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