	Surv	ey Date												10/02	2/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	TID		nber D moval	olphin		Comr	nents															
	Т	ide												E	bb										
		Location												Ber	nt 35										
Sam Loca						Upcu	rrent (A	mbien	t)										Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										180 ft <sup>2</sup>	!					
Samp	le ID					1002	217-TID	D-E-U										100	0217-TID	O-E-D					
Sample	Time						12:07												11:51						
		_								СВ		ө	ne	-							1	СВ		ө	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm)					(	ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	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 C		*	0.0007	8.2	5.6	8.0	66	ı	ı	1	ŀ	16	0.0006	*	0.0007	8.2	5.6	8.0	66	I		1	ı	16	0.0006
ssult <sup>4</sup>	s						NS												NS						
Analytical Result <sup>4</sup>	М	9.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В			•	•		NS				•		•		•	•			NS	•	•		•	•	•

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

<sup>&</sup>lt;sup>2</sup> Samples collected as close to the turbidity curtain as practicable

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

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

<sup>--</sup> No detection limit or water quality standard

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

ND = Not Detected

	Surv	ey Date												10/03	3/2017										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activity  TIDO - Timber Dolphin Removal  Comments																							
	Т	ide												Fl	ood										
		Location												Bei	nt 36										
Loca	nple ation	Upcurrent (Ambient)															l	Downcur	rent						
	nce to irce	Approx. 500 - 1000 ft <sup>1</sup>																120 ft <sup>2</sup>	2						
Samı	ple ID					100	317-TID	O-F-U										10	0317-TID	O-F-D					
Sampl	e Time						10:26												10:03						
		_							PC	В	1	o.	ne	_							PC	СВ	ı	o.	ne
200	raiameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Uı	nit	(ppm)					(	ppb)						(ppm)						(ppb)					
Detection	on Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	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 Stan	Quality dard <sup>3</sup>	*	0.0007	8.2	5.6	8.0	66	1	-	1		16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	-	16	0.0006
esult <sup>4</sup>	s	21.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Analy	В	9.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected as close to the turbidity curtain as practicable
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- 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.

	Surv	ey Date												10/04	1/2017										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity	TID		nber D moval	olphin		Comi	nents															
	Т	ide												Fl	ood										
		Location												Bei	nt 38										
San Loca	tion	Upcurrent (Ambient)																l	Downcur	rent					
Distar Sou		Approx. 500 - 1000 ft <sup>1</sup>																	150 ft	2					
Samp	ole ID					100	417-TID	O-F-U										10	0417-TID	O-F-D					
Sampl	e Time						11:00												10:42						
									P	В	•		ne								P	СВ			ne
Dorogon		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Uı	nit	(ppm)					(	ppb)						(ppm)						(ppb)					
Detection	n Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1
Water of Stand		*	0.0007	8.2	5.6	8.0	66	1	1	1		16	0.0006	*	0.0007	8.2	5.6	8.0	66				-	16	0.0006
esult <sup>4</sup>	s	24.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	26.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

<sup>&</sup>lt;sup>2</sup> Samples collected as close to the turbidity curtain as practicable

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

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

<sup>--</sup> No detection limit or water quality standard

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

ND = Not Detected

	Surve	ey Date												10/09	9/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	nstructi	ion Activ	ity	TID		nber D moval	olphin		Comi	nents															
	Ti	ide						•						FI	ood										
	Source	Location												Bei	nt 40										
Sam Locat						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Soul						Appro	x. 500 -	1000 f	t <sup>1</sup>										120 ft <sup>2</sup>	2					
Samp	le ID					100	917-TID	O-F-U										10	0917-TID	O-F-D					
Sample	Time						10:18												09:58						
		_								В	ı	9	ne	_							PC		ı	9	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm)					(	(ppb)					
Detection	ո Limit³	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 C Stand	-	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
sult <sup>4</sup>	s	59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2	ND
Analytical Result <sup>4</sup>	М		•				NS						•						NS						•
Analy	В	55.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	56.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

<sup>&</sup>lt;sup>2</sup> Samples collected as close to the turbidity curtain as practicable

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

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

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

ND = Not Detected

	Surv	ey Date												10/10	0/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	TID		nber D moval	olphin		Comr	ments															
	Т	ide												E	bb										
		Location												Bei	nt 41										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									[	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										150 ft <sup>2</sup>	2					
Samp	le ID					1010	017-TID	O-E-U										10	1017-TID	O-E-D					
Sample	Time						10:12												10:00						
									PC	СВ	1	Ф	ne								P	СВ		Ф	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm)					(	ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1
Water C		*	0.0007	8.2	5.6	8.0	66	-	-		-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	1	16	0.0006
esulf⁴	s						NS												NS						
Analytical Result⁴	М	26.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В			•	•	•	NS	•		•	•								NS	•	•	•	•		

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

<sup>&</sup>lt;sup>2</sup> Samples collected as close to the turbidity curtain as practicable

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

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

<sup>--</sup> No detection limit or water quality standard

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

ND = Not Detected

	Surv	ey Date												10/11	1/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	TID		nber D moval	olphin		Comi	ments															
	Т	ide												Е	bb										
	Source	Location												Bei	nt 44										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										120 ft <sup>2</sup>	2					
Samp	le ID					101	117-TID	O-E-U										10	1117-TID	O-E-D					
Sample	Time						10:11												10:00						
		_							P	СВ		Ф	ne	_							P	В		Ф	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)		•	•		(	ppb)						(ppm)					(	ppb)					•
Detec Lim		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 0		*	0.0007	8.2	5.6	8.0	66	1	1	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	1	1	16	0.0006
esult4	s						NS												NS						
Analytical Result⁴	М	24.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В					-	NS			-	-		-			-			NS	-					

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- $^{2}% \left( 1\right) =\left( 1\right) \left( 1\right)$
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- 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.

	Surv	ey Date												10/11	1/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	TIF		ender F moval	rame		Comi	nents															
	Т	ide												E	bb										
		Location												Ben	it 172										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									[	Downcuri	rent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										500 ft <sup>2</sup>	!					
Samp	le ID					101	117-TIFI	R-E-U										10	1117-TIFI	R-E-D					
Sample	Time						11:21								_				10:55						
									P	СВ		ø	ne								P	СВ		Ф	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm)					(	ppb)					
Detec Lim		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 ( Stand		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esulf*	s	21.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М	22.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	34.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	33.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

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

<sup>--</sup> No detection limit or water quality standard

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

	Surv	ey Date												10/12	2/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	TID		nber D moval	olphin		Comi	ments															
	Т	ide												Е	bb										
		Location												Bei	nt 45										
Sam Loca						Upcu	rrent (A	mbien	t)									[	Downcuri	ent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										125 ft <sup>2</sup>	:					
Samp	le ID					1012	217-TID	O-E-U										10	1217-TID	O-E-D					
Sample	Time						09:04						_						08:53						
									P	СВ		o o	ne								PC	СВ		o o	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm)					(	ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	0.1
Water C	-	*	0.0007	8.2	5.6	8.0	66	1	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	1	1	-	-	16	0.0006
esult4	s						NS												NS						
Analytical Result⁴	М	38.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В						NS			-	-								NS						

ND = Not Detected

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

 $<sup>^{2}% \</sup>left( 1\right) =\left( 1\right) \left( 1\right)$ 

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

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

<sup>--</sup> No detection limit or water quality standard

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

	Surv	ey Date												10/12	2/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	Construction Activity  Tide  Source Location					ender F moval	rame		Comi	nents															
	Т	ide												E	bb										
												Ben	nt 172												
Loca	Sample Location Distance to					Upcu	rrent (A	mbien	t)									[	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										500 ft <sup>2</sup>	!					
Samp	le ID					101	217-TIFI	R-E-U										10	1217-TIF	R-E-D					
Sample	e Time						10:45												10:10						
		_							P	СВ	•	Ф	ne	_							P	СВ		Φ	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm)					(	ppb)					
Detec Lim		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 (		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult4	s	14.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S   14.3   ND				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

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

<sup>--</sup> No detection limit or water quality standard

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

	Surv	ey Date												10/13	3/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	TID		nber D moval	olphin		Comr	nents															
	Т	ide												E	bb										
		Location												Bei	nt 51										
Sam Loca	tion					Upcu	rrent (A	mbient	t)									[	Downcur	rent					
Distan Sou			Approx. 500 - 1000 ft <sup>1</sup>																96 ft <sup>2</sup>						
Samp	le ID		101317-TIDO-E-U															10	1317-TID	O-E-D					
Sample	Time						10:08												09:57						
		_							P	СВ		ө	ne								P	СВ		Ð	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm)					(	ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1
Water 0		*	0.0007	8.2	5.6	8.0	66	1	-	-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-	-	-	16	0.0006
esulf <sup>4</sup>	s		NS																NS						
Analytical Resulf⁴	М	21.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В			•		•	NS			•	•		•						NS	•			•	•	

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected as close to the turbidity curtain as practicable
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected

	Surv	ey Date												10/13	3/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	TIF		ender F moval	rame		Comi	nents															
	Т	ide												E	bb										
		Location												Ben	t 170										
Sam Loca						Upcu	rrent (A	mbien	t)									[	Downcuri	rent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										500 ft <sup>2</sup>	!					
Samp	le ID					101	317-TIFI	R-E-U										10	1317-TIFI	R-E-D					
Sample	Time						10:57												10:43						
		_							P	СВ		Ф	ne	_							P	СВ			ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)			•		(	ppb)			•			(ppm)					(	ppb)					
Detec Lim		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 (		*	0.0007	8.2	5.6	8.0	66	-	-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-		16	0.0006
esult4	s	174	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	23.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

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

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

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

<sup>--</sup> No detection limit or water quality standard

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

ND = Not Detected

	Surv	ey Date												10/16	6/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activity  TIDO - Timber Dolphin Removal  ide  Comments																							
	Т	ide												E	bb										
		Location												Bei	nt 48										
Sam Loca	tion		Upcurrent (Ambient)															[	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										111 ft <sup>2</sup>	2					
Samp	le ID					1010	617-TID	O-E-U										10	1617-TID	O-E-D					
Sample	Time						11:17												10:57						
		_							P	СВ	r	Ф	ne	_							P	СВ		Ф	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	nit	(ppm)					(	ppb)						(ppm)					(	ppb)					
Detec Lim		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	1	0.1
Water (		*	0.0007	8.2	5.6	8.0	66	-	-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	1	16	0.0006
esult4	S	20.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	48.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

 $<sup>^{2}% \</sup>left( -\frac{1}{2}\right) =0$  Samples collected as close to the turbidity curtain as practicable

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

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

<sup>--</sup> No detection limit or water quality standard

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

ND = Not Detected

	Surv	ey Date												10/17	7/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	TID		nber D moval	olphin		Comr	nents															
Tide														FI	ood										
Source Location														Bei	nt 68										
Sample Location						Upcu	rrent (A	mbien	t)										Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										120 ft <sup>2</sup>	2					
Samp	le ID					101	717-TID	O-F-U										10	1717-TID	O-F-D					
Sample	Time						10:39												10:19						
		-							PC		I _	e	aue	-							P(		I _	<u>e</u>	aue
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	it	(ppm)					(	ppb)						(ppm)					. (	(ppb)					•
Detectio	n Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	0.1
Water (		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
sult4	s	37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		•				NS				•								NS	•	•		•		•
Analy	В	51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

<sup>&</sup>lt;sup>2</sup> Samples collected as close to the turbidity curtain as practicable

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

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

<sup>--</sup> No detection limit or water quality standard

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

ND = Not Detected

	Surve	y Date												10/18	/2017										
	Surve	у Туре												V - Vesse	el Based										
Co	nstructi	on Activ	ity	TIDO	- Timbe	r Dolphi	in Removal		Com	nents															
		de												Flo	od										
		Location												Ben	t 67										
Sam Loca	tion				Upcı	urrent (Am	nbient)	)									-	Downcur	rent						
Distan Sou		Approx. 500 - 1000 ft <sup>1</sup>																126 ft <sup>2</sup>	2						
Samp	le ID					101	1817-TIDO	-F-U										10	1817-TID	O-F-D					
Sample	Time						10:48												10:29						
									P	В	ı	ө	ne	-							PC	В		ө	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(p	pb)					•	(ppm)					(	(ppb)					
Detection	n Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ŀ	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1
Water 0		*	0.0007	8.2	5.6	8.0	66		-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	-	16	0.0006
esult <sup>4</sup>	s	59.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS NS																NS						
Analy	В	47.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected as close to turbidity curtain as practicable
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- 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.

	Surve	ey Date												10/19	9/2017										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity	SIDI	I - Silt I	Displac	ement		Com	nents							Jetting	from I	Dive Barg	е					
		ide													ood										
		Location											Ben	t 178											
Sam Loca	tion				Upcu	rrent (A	mbien	t)									!	Downcur	rent						
Distar Sou					Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2						
Samp	ole ID					101	917-SID	I-F-U										10	)1917-SIE	)I-F-D					
Sample	e Time	101917-SIDI-F-U 13:05																	12:33						
									P	СВ	1	Ф	ne								P	СВ		Ф	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(	ppb)						(ppm)					(	(ppb)					
Detectio	n Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1
Water (		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult4	s	18.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

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

<sup>--</sup> No detection limit or water quality standard

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

	Surve	ey Date												10/19/	2017										
	Surve	у Туре												V - Vesse	l Based										
Co	onstructi	ion Activ	ity	TIDO	- Timbe	er Dolph	in Removal		Com	ments															
	Ti	ide												Floo	bc										
		Location												Bent	100										
Sam Loca			Upc	urrent (Am	nbient)										l	Downcuri	rent								
Distan Sou						Appr	ox. 500 - 1	000 ft <sup>1</sup>											123 ft <sup>2</sup>	!					
Samp	le ID	101917-TIDO-F-U																10	1917-TID	O-F-D					
Sample	Time						10:00												09:34						
		_							P	СВ		Ф	ne	_							PC	СВ		ø	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(p	pb)						(ppm)					(	ppb)					
Detection	n Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	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 0		*	0.0007	8.2	5.6	8.0	66		1			16	0.0006	*	0.0007	8.2	5.6	8.0	66		-		1	16	0.0006
esult <sup>4</sup>	s	73.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected as close to turbidity curtain as practicable
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- 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.

	Surve	ey Date												10/20	)/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activ	ity	SIDI	- Silt I	Displac	ement		Com	ments							Jetting	from I	Dive Barg	е					
		ide													ood										
		Location											Ben	t 176											
Sam Loca	tion				Upcu	rrent (A	mbien	t)									!	Downcur	rent						
Distan Sou						Appro	x. 500 -	1000 f	ť¹										500 ft <sup>2</sup>	2					
Samp	ole ID					102	017-SID	I-F-U										10	)2017-SIE	)I-F-D					
Sample	e Time	102017-SIDI-F-U 11:46																	11:24						
		_							P	СВ		σ	ne	_							P	СВ	1	Φ	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(	ppb)						(ppm)					(	(ppb)					
Detectio	n Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1
Water (		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult⁴	s	14.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	37.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	35.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected

	Surv	ey Date												10/20/	2017										
	Surve	у Туре												V - Vesse	l Based										
Co	onstruct	ion Activ	ity	TIDO	- Timbe	er Dolph	nin Removal		Com	ments															
	-	ide												Floo											
		Location												Bent	86										
Loca	Sample Upcurrent (Amb																	ı	Downcur	rent					
Distan Sou			Approx. 500 - 1000 ft <sup>1</sup>																140 ft <sup>2</sup>	2					
Samp	le ID					10	2017-TIDO	-F-U										10	2017-TID	O-F-D					
Sample	Time			_	_		09:43	_	-	_						-	-	_	09:24	-		-	_		
									P	СВ	1	Ф	ne								PC	В	1	Φ	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(p	pb)						(ppm)					(	(ppb)					
Detectio	n Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1
Water 0		*	0.0007	8.2	5.6	8.0	66		-			16	0.0006	*	0.0007	8.2	5.6	8.0	66			1		16	0.0006
esult4	s	45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	78.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Anal)	В	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	41.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected as close to turbidity curtain as practicable
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- 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.

	Surve	ey Date												10/20/2	017										
	Surve	у Туре											\	/ - Vessel	Based										
Co		ion Activ	ity	- 1	IFR - III	Remov	ender Frame val		Com	nents															
		ide												Flood											
		Location												Bent 1	69										
Sample Location Distance to						Up	ocurrent (Amb	ient)										ı	Downcur	rent					
Distan Sou						Ар	prox. 500 - 10	00 ft <sup>1</sup>											500 ft <sup>2</sup>	2					
Samp	le ID		102017-TIFR-F	:-U										10	2017-TIF	R-F-D									
Sample	Time						10:55												10:29						
									P	В	1	Ф	ne								P	СВ	1	Ф	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	iit	(ppm)					(pp	b)						(ppm)				1	(	ppb)					
Detection	n Limit³	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 0		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult4	s	27.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	58.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	25.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	65.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected

	Surv	ey Date												10/21/2	2017										
	Surve	у Туре												V - Vesse	l Based										
Co	nstruct	ion Activ	ity	TIDO	- Timb	er Dolp	hin Removal		Com	ments															
	-	ide												Floo											
		Location												Bent	60										
Sam Loca	tion					Upo	current (Am	bient)										ı	Downcur	rent					
Distan Sou						App	rox. 500 - 10	000 ft <sup>1</sup>											120 ft <sup>2</sup>	2					
Samp	le ID					10	)2117-TIDO-	-F-U										10	2117-TID	O-F-D					
Sample	Time	_	_	10:56	-	-	_		_	_		-	_	-	10:40	_	-	-	_						
		_							P	СВ		ø	ne	1							P	СВ		ø	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(pı	ob)					•	(ppm)					(	ppb)				J.	
Detectio	n Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1
Water 0		*	0.0007	8.2	5.6	8.0	66	-				16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult4	s	54.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	75.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal)	В	48.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected as close to turbidity curtain as practicable
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- 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.

	Surv	ey Date												10/23/	/2017										
	Surve	у Туре												V - Vesse	el Based										
Co	onstruct	ion Activ	ity	TIDO	- Timb	er Dolph	nin Removal		Com	nents															
	-	ide												Flo											
		Location												Bent	103										
	cation Upcurrent (Ambient)														I	Downcur	rent								
Distan Sou			Approx. 500 - 1000 ft <sup>1</sup>																126 ft <sup>2</sup>	2					
Samp	le ID		102317-TIDO-F-U															10	2317-TID	O-F-D					
Sample	Time		102317-TIDO-F-U 10:09																09:53						
									P	СВ			ne								PC	СВ			ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	iit	(ppm)					(p	pb)	•					(ppm)					(	ppb)					
Detection	n Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	0.1
Water 0		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult <sup>4</sup>	s	31.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	39.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Anal	В	29.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected as close to turbidity curtain as practicable
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- 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.

	Surv	ey Date												10/25	/2017										
	Surve	у Туре												V - Vess	el Based										
Co	onstruct	ion Activ	ity	TIDO	- Timbe	r Dolphi	n Removal		Com	nents															
	Т	ide												Flo	ood										
		Location												Bent	110										
Sample Location Distance to						Upcı	ırrent (An	nbient	)									l	Downcuri	rent					
Distance to Source						Appro	ox. 500 - 1	1000 ft	1										100 ft <sup>2</sup>	2					
Samp	le ID					102	2517-TIDC	)-F-U										10	2517-TID	O-F-D					
Sample	Time						10:53												10:32						
		_								СВ	ı	9	ne	_							PO	СВ		Ð	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(r	pb)						(ppm)					(	ppb)					
Detectio	n Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	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 0		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66				-	16	0.0006
esult <sup>4</sup>	s	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal)	В	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected as close to turbidity curtain as practicable
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- 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.

	Surv	ey Date												10/26/	2017										
	Surve	у Туре												V - Vesse	l Based										
Construction Activity Tide				TIDO	- Timb	er Dolph	in Removal		Com	ments															
														Eb											
		Location												Bent	109										
Sam Loca	tion					Upc	urrent (Am	bient)											Downcuri	rent					
Distance to Source						Аррі	ox. 500 - 10	000 ft <sup>1</sup>											150 ft <sup>2</sup>	!					
Sample ID						10	2617-TIDO	-E-U										102	2617-TID	O-E-D					
Sample	Sample Time						09:03												08:50						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(p	pb)						(ppm)					(	ppb)					
Detec Lim		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 (	-	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult <sup>4</sup>	S 57.7 ND					ND	ND	ND	ND	ND	ND	ND	ND	96.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ytical R	S   57.7   ND     M						NS												NS						
Anal	В	105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	81.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected as close to turbidity curtain as practicable
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

	Surv	ey Date												10/27/	2017										
	Surve	у Туре												V - Vesse	l Based										
Co	nstruct	ion Activ	ity	TIDO	- Timb	er Dolpl	nin Removal		Com	nents															
	Т	ide												Ebl											
		Location												Bent 1	108										
Sam Loca						Upc	urrent (Am	bient)										ı	Downcur	rent					
Distan Sou		rox. 500 - 1	000 ft <sup>1</sup>											150 ft <sup>2</sup>	2										
Samp	le ID					10	2717-TIDO	-E-U										10:	2717-TID	O-E-D					
Sample	Time		10:31																10:11						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)		•	•		(p	pb)	•	•				(ppm)					(	ppb)	•	•	•		
Detec Lim		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 0	•	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult <sup>4</sup>	s	11.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	13.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected as close to turbidity curtain as practicable
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- 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.

	Surv	ey Date											10/31/	2017											
	Surve	у Туре												V - Vesse	Vessel Based										
C	onstruct	ion Activ	ity	TIDO - Timber Dolphin Removal Comments																					
		ide												Eb											
		Location												Bent	121										
Sam Loca	tion	Upcurrent (Ambient)											Downcurrent												
Distar Sou			Approx. 500 - 1000 ft <sup>1</sup>												80 ft <sup>2</sup>										
Samp	ole ID		103117-TIDO-E-U											103117-TIDO-E-D											
Sample	e Time		09:37											09:22											
Daramotor	Parameter		Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)		(ppb)										(ppm) (ppb)											
Detec Lin		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 (	-	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult <sup>4</sup>	s	7.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.0	ND
Analytical Result <sup>4</sup>	М						NS							NS											
Anal	В	12.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	21	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected as close to turbidity curtain as practicable
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

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.

	Surv	ey Date											10/31	1/2017											
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	SIDI - Silt Displacement Comments										Jetting from Dive Barge. JETT will be used for subsequent samples instead of SIDI.												
	Т	ide												E	bb										
		Location												Ben	it 183										
Sam Loca		Upcurrent (Ambient)												Downcurrent											
Distan Sou			Approx. 500 - 1000 ft <sup>1</sup>												500 ft <sup>2</sup>										
Samp	le ID		103117-SIDI-E-U											103117-SIDI-E-D											
Sample	Time	10:39												10:20											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)		•	•		(	ppb)						(ppm) (ppb)											
Detec Lim		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 0		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult <sup>4</sup>	s	11.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS							NS											
Analy	В	10.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected

	Surv	ey Date												10/31	1/2017										
	Surve	у Туре												V - Vess	V - Vessel Based										
Co	nstruct	ion Activ	ity	DBRI- Debris Removal Comments										Debris Removal ahead of LCL Truss Removal.X											
	Т	ide												Е	bb										
Source Location												South of Span 190													
Sam Loca		Upcurrent (Ambient)													Downcurrent										
Distan Sou		Approx. 500 - 1000 ft <sup>1</sup>													500 ft <sup>2</sup>										
Samp	le ID	103117-SIDI-E-U												103117-SIDI-E-D											
Sample	Time	12:08												11:58											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm) (ppb)											
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	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 0		*	0.0007	8.2	5.6	8.0	66	1	-		1	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-	1	-	16	0.0006
esult <sup>4</sup>	s						NS							NS											
Analytical Result <sup>4</sup>	М	20.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В						NS							NS											

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- 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.
  - <sup>X</sup> Sample ID left as SIDI in order to match Chain of Custody and lab results. Sample ID should be DBRI.