	Surve	ey Date												09/07	7/2013				1						
	Surve	у Туре					8							V - Vess	sel Based										
С	onstruct	ion Activi	ty		DRR -	Dredgi	ng		Comi	ments												æ			
	Т	ide													bb										
		Location							•					Dred	ge 506	8									
San Loca						Upcu	rrent (A	mbien	t)		z		·						Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>	¥									500 ft	2					
Samp	ole ID					090	713-D50	6-E-U					2					09	0713-D50	)6-E-D					
Sample	e Time	10				-	16:18									- 1		8	16:32						
Doromotor		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)	18		•		(	ppb)						(ppm)						(ppb)	- 19		. *		
Detectio	n Limit <sup>3</sup>	Ambient + 100	0.05				-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05			Ŧ	<b></b> )	0.2	0.2	0.2	0.2	-	0.1
Water 6		**	0.0007	8.2	5.6	8.0	66	-			1	16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
sult <sup>4</sup>	s						NS		ra Pa										NS						
Analytical Result <sup>4</sup>	м	22.0	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	NĎ	186	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analy	В	2					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 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> 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

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

	Surve	ey Date												09/07	7/2013										
29	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activi	ity		DRR -	Dredgi	ng		Comr	nents															
	Т	ide										1			ood										
		Location												Dred	ge 506										
Sam Loca						Upcu	rrent (Aı	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>							a			500 ft <sup>2</sup>	2					а
Samp	le ID					090	713-D50	6-F-U		v.		140			=			09	0713-D50	6-F-D	0				
Sample	Time						12:02	Y S			i.								11:42						
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)					
Detectio	n Limit <sup>3</sup>	Ambient + 100	0.05				-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05		-	-	-	0.2	0.2	0.2	0.2		0.1
Water (		*	0.0007	8.2	5.6	8.0	66				-	16	0.0006	*	0.0007	8.2	5.6	8.0	- 66			-	ŀ	16	0.0006
sult <sup>4</sup>	s	32.0	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	79.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М						NS												NS						
Analy	В	51.0	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	77.2	ND	ND	ND	ND	13	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 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> 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

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

	Surve	ey Date												09/07	7/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ity		DRR -	Dredgi	ng		Comr	nents															
		ide													bb										
		Location							8					Dred	ge 551										
San Loca	tion					Upcu	rrent (A	mbien	t)									l	Downcur	rent					
Distar Sou			2			Appro	x. 500 -	1000 f	t <sup>1</sup>							7		2	500 ft <sup>2</sup>	2					
Samp	ole ID					090	713-D55	1-E-U										09	0713-D55	51-E-D		0			
Sample	e Time						14:49												15:04						
Darameter		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)					
Detectio	n Limit <sup>3</sup>	Ambient + 100	0.05			-	-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	-				0.2	0.2	0.2	0.2		0.1
Water 6		*	0.0007	8.2	5.6	8.0	66	1				16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
sult <sup>4</sup>	S	¥?					NS												NS		8				a
Analytical Result <sup>4</sup>	М	10.4	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	23.6	· ND	ND	ND	ND	15	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>&</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> 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

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

	Surve	y Date												09/07	7/2013							*		8	
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activi	ty		DRR -	Dredgi	ng		Com	nents															
	Т	ide													ood										
		Location												Dred	ge 551										
Sam Loca	tion					Upcu	rrent (A	mbien	t)										Downcur	rrent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft	2					
Samp	le ID		Ξ			090	713-D55	1-F-U										09	90713-D55	51-F-D					
Sample	Time						10:50	10								)(9			10:37	•			-		
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)					10	(ppm)			10			(ppb)					
Detection	n Limit <sup>3</sup>	Ambient + 100	0.05	-	1	-		0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water C		*	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						NS								E E				NS						
Analytical Result <sup>4</sup>	м	12.4	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	11.6	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS		ē		×		e .

<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> 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

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

	Surve	ey Date												09/08	3/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ty		DRR -	Dredgi	ng		Comr	nents															
	Т	ide													ood										
		Location												Dred	ge 506										
Sam Loca	tion					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft	2					
Samp	ole ID	6				090	813-D50	6-F-U										09	0813-D50	06-F-D	٠				
Sample	e Time					18	12:02								_				12:12	?					ti e
Daramotor		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)		<b></b>	ē		)	(ppb)					-
Detectio	n Limit <sup>3</sup>	Ambient + 100	0.05		-	-	-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water (		*	0.0007	8.2	5.6	8.0	66	ı	-		-	16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
sult <sup>4</sup>	S	38.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	50.0	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М	-					NS	a a											NS				2		
Analy	В	73.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	53.0	ND	ND	ND	ND	14	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 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> 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

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

	Surve	ey Date												09/08	3/2013										
,	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Comi	nents															
		ide													bb			18	N N						
		Location												Dred	ge 551				,			-			
Sam Loca	tion		20			Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou						Appro	ox. 500 -	1000 f	t <sup>1</sup>				i .		8				500 ft <sup>2</sup>	2					
Samp	le ID					090	813-D55	1-E-U										09	0813-D55	51-E-D					
Sample	e Time						15:28												15:18						
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 +	0.05			:	· •	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water (		*	0.0007	8.2	5.6	8.0	66	-			1	16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
sult <sup>4</sup>	s						NS												NS						
Analytical Result <sup>4</sup>	М	23.0	ND	ND	ND .	ND	15	ND	ND	ND	ND	ND	ND	26.0	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
Analy	В						, NS			40									NS			08 11			#N/A

<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> 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

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

1	Surve	y Date												09/08	3/2013										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	on Activi	ty		DRR -	Dredgi	ng		Comr	ments	20														
		ide	6												ood										
		Location												Dred	ge 551										
Sam Loca	tion					Upcu	rrent (Aı	mbient	t)						13			)	Downcur	rent					
Distan Sou				×		Appro	x. 500 -	1000 f	t <sup>1</sup>			-							500 ft	2			÷		
Samp	le ID					090	813-D55	1-F-U		8								09	0813-D5	51-F-D					
Sample	Time						12:37												12:53	3					
Parameter	el e	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)					. (	ppb)						(ppm)						(ppb)					
Detectio	n Limiţ³	Ambient + 100	0.05	1			-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2	· 	0.1
Water C		*	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
ssult <sup>4</sup>	s						NS						24 -						NS						
Analytical Result <sup>4</sup>	М	34.0	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	21.0	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
Analy	В						NS		8			8							NS				,		

- 1 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
- -- 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>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												09/09	9/2013		70								
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Comi	ments															
	Т	ide													bb										
		Location												Decant (	Operation:	S									
	nple ation					Upcu	rrent (A	mbien	t)									Ì	Downcur	rent				÷	
Distance to Source						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2	51	*			
Samı	ole ID					090	913-D21	1-E-U										09	0913-D21	1-E-D				8	
Sampl	e Time					*	09:06						×					Α	09:19						
	raiailletei	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
U	nit	(ppm)					(	ppb)	8					(ppm)						(ppb)					
Detection	on Limit <sup>3</sup>	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	-	1	-		0.2	0.2	0.2	0.2		0.1
Water Stan		*	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	13.2	ND	ND	ND	ND	15	ND	ND.	ND	ND	ND	ND	26.8	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
/tical Re	S   13.2   ND				, v	g #1	NS			(2)									NS						p.
Anal	В	17.6	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	18.8	ND	ND	ND	ND	14	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 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> 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

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

	Surve	ey Date					- B					* 12		09/09	9/2013				3.3						
	Surve	у Туре										a	8	V - Ves	sel Based										
С	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Com	ments										,				i.	
		ide													ood										
		Location								9				Decant (	Operation	s									
Loca			я		1	Upcu	rrent (A	mbien	t)										Downcur	rent					
Distai Sou	nce to Irce					Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft	2					
Samp	ole ID					090	913-D21	1-F-U										09	0913-D21	11-F-D					
Sampl	e Time						11:00												10:36						
	raiailetei	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)		d)			(	ppb)						(ppm)						(ppb)					
Detection	on Limit <sup>3</sup>	Ambient + 100	0.05			/	ı	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		1	-		0.2	0.2	0.2	0.2		0.1
Water of 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	23.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	26.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М						NS		=										NS						9
Anal)	В	50.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	26.0	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
- -- 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>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												09/09	9/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Comi	ments				97											
	T	ide													ood						li li				
76		Location												Dred	ge 506										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>	9		33		V					500 ft <sup>2</sup>	2					
Samp	ole ID					090	913-D50	6-F-U										09	0913-D50	06-F-D					
Sample	e Time						12:13												12:24						
Darameter		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)					1 1	(ppm)						(ppb)					
Detectio	n Limit <sup>3</sup>	Ambient + 100	0.05				-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		-	1		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			1	-	16	0.0006
sult <sup>4</sup>	s	41.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	78.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М			a.			NS	25			Đ					. "			NS						
Analy	В	80.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	69.0	ND	ND	ND	ND	12	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> 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

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

	Surve	y Date													9/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ity		DRR -	Dredgi	ng		Com	nents															
	Ti	ide			100										ood										
	Source	Location												Dred	ge 551										
San Loca	nple ation					Upcu	rrent (A	mbien	t)					d					Downcur	rent					
	nce to Irce					Appro	x. 500 -	1000 f	t <sup>1</sup>				9						500 ft <sup>2</sup>	2					
Samp	ole ID			GI.		090	913-D55	1-F-U									N	09	0913-D55	51-F-D				1)	-
Sampl	e Time		21	15)			10:05												10:16						
yotomoso	a a a liete	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	Fead	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	0.05				-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2		0.1
Water (		*	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	el .				×	NS												NS						,
Analytical Result <sup>4</sup>	М	25.5	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	57.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	, ND
Analy	В						NS				î.			20					NS						

- 1 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
- -- 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>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												09/10	/2013										ā
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activi	ty		DRR -	Dredgi	ng		Comr	nents															
	Т	ide													bb								2		
		Location												Decant C	perations	6									
Sam Loca	tion		8			Upcu	rrent (Aı	mbient	:)				4						Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 fi	1										500 ft <sup>2</sup>						
Samp	ole ID				-	091	013-D21	1-E-U										09	1013-D21	1-E-D					
Sample	e Time		_			-	16:52								9m				17:02						
Darameter		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)					
Detectio	on Limit <sup>3</sup>	Ambient + 100	0.05				ı	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05				-	0.2	0.2	0.2	0.2		0.1
Water (		*	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
sult <sup>4</sup>	s	11.6	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	9.60	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М						NS			3									NS	_					
Analy	В	14.4	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	, ND	18.4	ND	ND	ND	ND	15	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 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> 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

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

	Surve	ey Date				n.								09/10	0/2013										
	Surve	у Туре								4				V - Vess	sel Based										
C	onstructi	ion Activi	ty		DRR -	Dredgi	ng		Comr	nents												20			
		ide													ood										
:		Location			19									Dred	ge 506										
Sam Loca	tion				*	Upcu	rrent (A	mbien	t)										Downcur	rrent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>			9	Ÿ		*				500 ft	2					
Samp	le ID					091	013-D50	6-F-U					s		4			.09	1013-D50	06-F-D			*		
Sample	e Time						10:29	w)											10:18	3					
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 Limit³	Ambient + 100	0.05				ı	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	 0			-	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
sult <sup>4</sup>	s						NS							360		a			NS						
Analytical Result <sup>4</sup>	М	22.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	40.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analy	В	2			•		NS					*			e				NS						

- 1 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
- -- 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>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												09/10	)/2013										
	Surve	у Туре												V - Vess	sel Based						3				
C	onstruct	ion Activi	ty		DRR -	Dredgi	ng		Comr	ments															
	Т	ide													bb										
		Location												Dred	ge 551										
Sam Loca	tion	50				Upcu	rrent (Aı	mbient	1)									ļ	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 fi	t <sup>1</sup>							9			500 ft <sup>2</sup>	2					
Samp	ole ID					091	013-D55	1-E-U									2.	09	1013-D55	51-E-D				10	
Sample	e Time						17:26	e e				al							17:16						
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)			5			(ppm)						(ppb)			* *		
Detectio	n Limit³	Ambient + 100	0.05			1	1	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05		<b></b>			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					16	0.0006
sult <sup>4</sup>	s		ā				NS		9									147	NS						
Analytical Result <sup>4</sup>	М	12.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	14.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analy	В	B	2				NS							10					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>&</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> 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

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

	Surve	ey Date												09/10	)/2013										
	Surve	у Туре												V - Ves	sel Based	l									
Co	onstruct	ion Activi	ty		DRR -	Dredgi	ng		Com	ments															
	Т	ide													ood				101						
		Location	***											Dred	ge 551										
Sam Loca	tion				0	Upcu	rrent (Aı	mbient	t)										Downcur	rent					э
	Distance to Source Approx. 500 - 1000 ft <sup>1</sup>														2			500 ft	2						
Samp	ple ID 091013-D551-F-U												9			09	)1013-D5	51-F-D							
Sample	Time	11:06 PCB																	11:15						
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)				e.		(ppb)					
Detection	n Limit <sup>3</sup>	Ambient + 100	0.05	-			-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		1		<b></b> .	0.2	0.2	0.2	0.2		0.1
Water C		*	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
sult <sup>4</sup>	S						NS							8					NS				10		2)
Analytical Result <sup>4</sup>	М	12.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	73.6	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
Analy	В					· · · · · ·	NS		×	(8)									NS						

- 1 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
- -- 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>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date													/2013										
	Surve	у Туре						,						V - Vess	sel Based							1			
C	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Comi	ments															
	Т	ide													bb										
		Location												Decant C	Operations	S ·									
Sam Loca					ē	Upcu	rrent (A	mbien	t)		•)	ii.						١	Downcur	rent					
Distar Sou		27				Appro	x. 500 -	1000 f	t¹	= 1					y				500 ft <sup>2</sup>	2			8		
Samp	ole ID					091	113-D21	1-E-U									×	09	1113-D21	1-E-D					
Sample	e Time						09:55												09:42						
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)				B		(ppb)						
Detectio	n Limit <sup>3</sup>	Ambient + 100	0.05	-			ı	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water (		*	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												ND	30.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М						NS								ž.		is a second		NS						
Analy	В	24.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	22.8	ND	ND	ND	ND	14	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 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> 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

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

	Surve	ey Date									7				1/2013										
	Surve	у Туре												V - Ves	sel Based										
C	onstructi	ion Activi	ity		DRR -	Dredgi	ng		Com	ments															
		ide						9							ood										
		Location												Dred	ge 506										
Sam Loca						Upcu	rrent (Aı	mbien	t)										Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>	9			×						500 ft	2					
Samp	ole ID					091	113-D50	6-F-U	*									09	1113-D50	06-F-D					
Sample	e Time						10:58							8	12				11:11						×
Darameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	G Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	d Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Detectio		Ambient + d	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + dd	0.05					0.2	0.2	0.2	0.2		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					16	0.0006
sult <sup>4</sup>	S						NS			167							7 9		NS				11		
Analytical Result <sup>4</sup>	м	21.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	. ND	57.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analyt	В			I	ı		NS								a		0		NS			9			

- 1 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
- -- 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>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												09/11	1/2013										
	Surve	у Туре												V - Vess	sel Based										
, C	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Com	ments															
		ide													ood					×					
		Location												Dred	ge 551										
Sam Loca	tion	10				Upcu	rrent (A	mbien	t)					- 1					Downcur	rrent					
Distar Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					091	113-D55	1-F-U					9		8		M	09	1113-D55	51-F-D					
Sample	e Time						12:02					·							11:52	?					
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 Limit³	Ambient + 100	0.05	-			1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05			-		0.2	0.2	0.2	0.2		0.1
Water 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
sult <sup>4</sup>	s		9				NS			3	77		*	-				ē	NS						
Analytical Result <sup>4</sup>	М	11.0	ND	ND	3.4	ND	13	ND	ND	ND	ND	ND	ND	17.2	ND	ND	3.0	ND	11,	ND	ND	ND	ND	ND	ND
Analy	В						NS	9		_			ŧ						NS						

- 1 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
- -- 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>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

		ey Date													2/2013										
	Surve	у Туре												V - Vess	sel Based										
С		ion Activi	ity		DRR -	Dredgi	ng		Com	ments															
	Т	ide													bb										
		Location												Decant C	Operations	5									
San Loca	tion	Approx. 500 - 1000 ft <sup>1</sup>																Downcur	rent						
Distar Sou	nce to Irce																		500 ft <sup>2</sup>	2					
Samp	ole ID		091213-D211-E-U															09	1213-D21	1-E-D	25				
Sampl	e Time		10:40 PCB 💆																10:25						
Paramotor	raiaiicici	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)					
Detectio	n Limit <sup>3</sup>	Ambient + 100	0.05	-			-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water (		*	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	20.0	ND											32.4	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М		NS NS														5		NS						
Analy	В	14.0	ND	ND	3.9	ND	12	ND	ND	ND	ND	ND	ND	17.2	ND	ND	3.4	ND	13	ND	ND	ND	ND	ND	ND

- 1 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
- -- 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>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

D)	Surve	ey Date												09/12	2/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Com	ments						11					-				
	Т	ide					1								ood										
		Location												Decant C	Operation	s									
Sample Location Distance to						Upcu	rrent (A	mbien	t)									ļ	Downcur	rent					
						Appro	x. 500 -	1000 f	t <sup>1</sup>				ž.		5	1.			500 ft <sup>2</sup>	2					
Samp	ole ID					091	213-D21	1-F-U										09	1213-D21	1-F-D		2	ţs.		
Sample					12:16												12:02								
Darameter		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 Limit³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		-	-		0.2	0.2	0.2	0.2		0.1
Water (		*	0.0007	8.2	5.6	8.0	66	-	-	 -		16	0.0006	*	0.0007	8.2	5.6	8.0	66			1	1	16	0.0006
ssult <sup>4</sup>	s	S 9.20 ND ND 3.4 ND 12								ND	ND	ND	ND	5.20	ND	ND	3.5	ND	14	ND	ND	ND .	ND	ND	·ND
Analytical Result <sup>4</sup>	М				NS		#.O										NS								
Anal	В	10.4	ND	ND	3.8	ND	14	ND <sub>.</sub>	ND	ND	ND	ND	ND	9.60	ND	ND	3.5	ND	15	ND	ND	ND	ND	ND	ND

- 1 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
- -- 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>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												09/12	2/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activi	ty		DRR -	Dredgi	ng		Com	ments															
	Т	ide			*										bb										
	Source	Location												Dred	ge 551										
Sam Loca	tion				350	Upcu	rrent (A	mbient	t)									- 1	Downcur	rent					
	Distance to Source Approx. 500 - 1000 ft <sup>1</sup>																		500 ft <sup>2</sup>	2					
Samp	le ID					091	213-D55	1-E-U									3.53	09	1213-D55	1-E-D					
Sample	Time				79		10:12												10:04						
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	Геад	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(	ppb)						(ppm)					(	(ppb)					
Detectio	n Limit³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05			-		0.2	0.2	0.2	0.2		0.1
Water 0	,	*	0.0007	8.2	5.6	8.0	66	1			ï	16	0.0006	*	0.0007	8.2	5.6	8.0	66				· <b></b>	16	0.0006
sult <sup>4</sup>	s						NS				200		2	2	F				NS						
Analytical Result <sup>4</sup>	М	14.8	ND	ND	3.1	ND	13	ND	ND	ND	ND	ND	ND	16.4	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND
Analy	В						NS											D/	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>&</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> 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

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

	Surve	y Date												09/12	2/2013	Y)								9	*
	Surve	у Туре									2			V - Ves	sel Based										
C	onstructi	ion Activi	ity		DRR -	Dredgi	ng		Comi	ments															
	Т	ide													ood										
		Location												Dred	ge 551										
Sam Loca	tion		9			Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t <sup>1</sup> .								B		500 ft <sup>2</sup>	2					
Samp	le ID					091	213-D55	1-F-U										09	1213-D55	51-F-D					
Sample	Time						15:45												15:34						
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	0.05		,			0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water (		*	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						NS						×						NS					п	
Analytical Result <sup>4</sup>	М	20.5	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	10.8	ND	ND	3.1	ND	14	ND	ND	ND	ND	ND	ND
Analy	В			9			NS												NS				0	1	

<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> 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

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

	Surve	ey Date												09/13	3/2013										į.
	Surve	у Туре												V - Vess	sel Based	Ĭ.								20	
С		ion Activ	ity		DRR -	Dredgi	ng		Com	ments					-,			10							
		ide													bb										
		Location												Decant C	Operation	S									
	nple ation	y pt				Upcu	rrent (A	mbien	t)										Downcur	rent				1/	
Location Distance to Source						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Source Sample ID						091	313-D21	1-E-U		×								09	1313-D21	1-E-D					
Sample Time							11:03												11:12						
Deremoter		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	Mer Sol						n (	(ppb)						(ppm)					(	(ppb)					
Detectio	on Limit <sup>3</sup>	Ambient + 100	0.05			1,	1	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05	-	-			0.2	0.2	0.2	0.2	-	0.1
Water o		*	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	26.0	ND	ND <sub>.</sub>	ND	ND	13	ND	ND	ND	ND	ND	ND	26.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
rical Re	S   26.0   ND				2		NS												NS						
Analy	В	35.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	30.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND

- 1 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
- -- 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>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

10	Surve	ey Date												09/13	3/2013										
	Surve	у Туре												V - Ves	sel Based										
С	onstruct	ion Activi	ty		DRR -	Dredgi	ng		Comi	ments															
		ide													ood										
Source Location  Sample Upcurrent (Ambient)									Decant	Operation	1														
Sam Loca			Upcu	rrent (A	mbien	t)										Downcur	rent								
Distar Sou	Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft	2					œ.					
Source													D	09	1313-D2	11-F-D									
Sample	e Time	13:21																	13:30	)					
Darameter		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	0.05	-		I	-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		-	-	<b></b> *	0.2	0.2	0.2	0.2	-	0.1
Water (		0 *	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
sult <sup>4</sup>	s	11.2	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	24.0	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND
Analytical Result⁴	M NS											-		2			NS								
Anal	В	11.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	37.2	ND	ND	ND	ND	13	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 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> 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

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

	Surve	y Date											3	09/13	3/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ity	ı	DRR -	Dredgi	ng		Com	nents															
	T	ide													bb			111	14					Ţ.	
		Location												Dred	ge 506										
Sam Loca					÷	Upcu	rrent (Aı	mbien	t)									s 1	Downcur	rent					
Distar Sou	A112000 12000					Appro	x. 500 -	1000 f	t <sup>1</sup>					:				9	500 ft <sup>2</sup>	1					
Samp	ole ID					091	313-D50	6-E-U										09	1313-D50	6-E-D			28		
Sample	e Time				-	=	10:23												10:14						
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	0.05	-		-	-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		-			0.2	0.2	0.2	0.2	-	0.1
Water (		**	0.0007	8.2	5.6	8.0	66	1				16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-		ŀ	16	0.0006
esult <sup>4</sup>	s				a		NS						9		12				NS				, 1	•	
Analytical Result <sup>4</sup>	М	18.8	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	34.8	ND	ND	ND	NE)	15	ND	ND	ND	ND	ND	ND
Analy	В						NS									ū			NS						

- 1 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
- -- 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>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	y Date												09/13	3/2013			(4)	(8)						
	Surve	у Туре												V - Vess	sel Based			2							
C	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Comr	nents				15											
		ide									/3/				bb										9.
		Location												· Dred	ge 551										
Sam Loca						Upcu	rrent (Aı	mbien	t)					×				1	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>						
Samp	le ID					091	313-D55	1-E-U			81				,			09	1313-D55	1-E-D					_
Sample	Time						10:48							F					10:39					æ	
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)					s. (	ppb)		25			9
Detectio	n Limit³	Ambient + 100	0.05			-	-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	-	-	-		0.2	0.2	0.2	0.2	-	0.1
Water (		*	0.0007	8.2	5.6	8.0	66	-	ı		1.	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-			16	0.0006
esult <sup>4</sup>	s	Į s					NS		36										NS				v		
Analytical Result <sup>4</sup>	М	14.4	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	15.6	ND	ND	ND	ND	14	ND	ND	ND .	ND	ND	ND
Analy	В		V				NS		54			18							NS	8					

<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> 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

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

	Surve	ey Date													3/2013										
	Surve	у Туре								3		4	33	V - Ves	sel Based										
,	Construct	ion Activ	ity	1	DRR -	Dredgi	ng		Comr	nents									0						
		ide										8			ood						9				
		Location												Dred	ge 551										
	mple cation					Upcu	rrent (A	mbien	t)			II						I	Downcur	rent					
11	ance to ource					Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
San	ple ID					091	313-D55	1-F-U				E		4	20			09	1313-D55	51-F-D					
Samp	ole Time						12:53												13:01						
	eter	Solids	ıry	<u>-</u>	Je.	Q Q	O	242		254 B	260	alene	pyrene	pended	ury	le.	oer.	D.	ပ	242	_	B 82	1260	alene	pyrene
	Parameter	Total Sus <sub>l</sub> Solic	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
τ	Jnit	(ppm)					(	ppb)			,			(ppm)					(	(ppb)		•			
Detect	ion Limit <sup>3</sup>	Ambient + 100	0.05			-		0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05		-			0.2	0.2	0.2	0.2	**	0.1
11	Quality	*	0.0007	8.2	5.6	8.0	66	1	ı	-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-			16	0.0006
sult⁴	S						NS							•					NS					,	
Analytical Result <sup>4</sup>	М	13.2	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	12.8	ND	ND	ND	ND:	ND	ND	ND	ND	ND	ND	ND
Analy	В				,		NS								18			191	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>&</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> 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

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

	Surve	ey Date												09/14	1/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ty		DRR -	Dredgi	ng		Comr	ments															
	Т	ide													bb										
		Location								1				Dred	ge 506										
Sam Loca	tion					Upcu	rrent (A	mbien	t)						51				Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2		1		×	
Samp	le ID		İ			091	413-D50	6-E-U										09	1413-D50	6-E-D					
Sample	Time						11:41	2							•				11:53						
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)					
Detectio	n Limit <sup>3</sup>	Ambient + 100	0.05				-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		-	-	·	0.2	0.2	0.2	0.2	-	0.1
Water 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
ssult <sup>4</sup>	s					255	NS							e e					NS						
Analytical Result <sup>4</sup>	М	66.4	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	67.6	ND	ND	ND	ND	18	ND	ND	ND -	ND	ND	ND
Analy	В	٨				a	NS												NS						

- 1 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
- -- 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>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date									8			09/14	4/2013										
	Surve	у Туре												V - Ves	sel Based										
C		ion Activi	ity		DRR -	Dredgi	ng		Comr	nents						*									
		ide													ood										
		Location												Dred	ge 506										
Sam Loca						Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft	2					
Samp	ole ID					091	413-D50	6-F-U					16					09	)1413-D50	06-F-D					
Sample	e Time						14:51								ø				15:00				э		
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 Limit³	Ambient + 100	0.05				ı	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05			-	_ <sub>2</sub>	0.2	0.2	0.2	0.2		0.1
Water (		*	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
sult <sup>4</sup>	s						NS		(S			В							NS			V			,
Analytical Result <sup>4</sup>	М	159	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	49.2	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
Analy	В				8		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
- -- 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>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date													5/2013	ė.									
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		DRR -	Dredgi	ng	II	Comi	nents		(4)													
	Т	ide											9		bb										
		Location												Decant C	Operations	S							27		
Sample Location Distance to						Upcu	rrent (A	mbien	t)		72								Downcur	rent					
Distance to Source						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	ole ID				091	513-D21	1-E-U			19							09	1513-D21	1-E-D						
Sampl	e Time	0					11:13												10:58		8				
votomoro	raiaiictei	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)			8			(ppb)					
Detectio	on Limit <sup>3</sup>	Ambient + 100	0.05	-			I	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05				, (	0.2	0.2	0.2	0.2		0.1
Water of 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	8.80	ND	ND .	ND	ND	13	ND	ND	ND	ND	ND	ND	12.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М			3			NS	÷.						8					NS						
Anal	В	15.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	14.8	ND	ND	ND	ND	14	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 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> 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

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

	Surve	ey Date												09/15	5/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Com	nents							*								
(4	Т	ide													bb										
		Location							-					Dred	ge 506										
San Loca						Upcu	rrent (A	mbien	t)									l	Downcur	rent	81				
Distar Sou		э				Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2				v.	
Samp	ole ID					091	513-D50	6-E-U										09	1513-D50	6-E-D		71			
Sample	e Time		2				11:40							ø					11:30						
Darameter		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)			2		(	ppb)						(ppm)						(ppb)					
Detectio	n Limit <sup>3</sup>	Ambient + 100	0.05	-			1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water 6		*	0.0007	8.2	5.6	8.0	66	1				16	0.0006	*	0.0007	8.2	5.6	8.0	66			ı		16	0.0006
sult <sup>4</sup>	s	٥.				B	NS												NS				2		
Analytical Result <sup>4</sup>	М	22.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	42.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analy	В						NS							is .					NS		-				

- 1 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
- -- 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>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												09/15	5/2013										
	Surve	у Туре												V - Vess	sel Based	H									
C	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Comi	ments					и							ži.			*
	Т	ide						•							ood						10				
		Location									•			Dred	ge 506										
Sam Loca		v				Upcu	rrent (A	mbien	t)		a					,			Downcur	rent		8	KI		
Distar Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>						34				500 ft	2					
Samp	le ID					091	513-D50	6-F-U										09	1513-D50	06-F-D					
Sample	e Time						17:06		15										17:15						
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	0.05				1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		1			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
sult4	s	22.8	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	35.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
rtical Re	W B 21.2 ND						NS			250				3					NS	70					
Analy	В	21.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	38.0	ND	ND	ND	ND	14	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 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> 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

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

	Surve	y Date											1)	09/15	5/2013										
	Surve	у Туре						-						V - Vess	sel Based							0			
Co	onstruct	ion Activi	ty		DRR -	Dredgi	ng		Comi	ments															
	Т	ide													bb										
		Location												Dred	ge 551										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou	NEWS AND WA		2.			Appro	x. 500 -	1000 f	t <sup>t</sup> ,										500 ft <sup>2</sup>	2					
Samp	le ID					091	513-D55	1-E-U								99		09	1513-D55	1-E-D					
Sample	Time						10:45									8	100		10:37						
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	n Limit <sup>3</sup>	Ambient + 100	0.05	ı			1	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-				0.2	0.2	0.2	0.2		0.1
Water C		* "	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
sult <sup>4</sup>	s						NS									25			NS						
Analytical Result <sup>4</sup>	М	11.6	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	12.4	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analy	В		25		P		NS												NS						

- 1 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
- -- 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>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date					ll ll								5/2013										
	Surve	у Туре							-					V - Ves	sel Based										
C	onstructi	ion Activi	ity		DRR -	Dredgi	ng		Comi	ments															
		ide													ood										
		Location				8								Dred	ge 551										
Sam Loca				6		Upcu	rrent (A	mbien	t)									1	Downcui	rrent					,
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>					T.					500 ft	2					
Samp	le ID			8		091	513-D55	1-F-U		<i>*</i>								09	1513-D5	51-F-D					
Sample	Time						17:39	(4	-						_				17:31						
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)					
Detectio	n Limit³	Ambient +	0.05				-	0.2	0.2	0.2	0.2		0.1	Ambient +	0.05					0.2	0.2	0.2	0.2		0.1
Water 0		*	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
sult <sup>4</sup>	s	10.					NS												NS						
Analytical Result <sup>4</sup>	М	15.6	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	20.8	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
Analy	В				в		NS							_					NS			6			

<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> 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

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

	Surve	ey Date												09/16	6/2013	101			*		3				
	Surve	у Туре					а							V - Vess	sel Based					a .					
С	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Com	ments															
		ide													bb										
		Location												Dred	ge 506										
	nple ation				Upcu	rrent (A	mbien	t)			à	14					i	Downcur	rent						
	nce to Irce		*		Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2						
Samı	ole ID			0	091	613-D50	6-E-U										09	1613-D50	6-E-D						
Sampl	e Time						09:50				81					¥0			09:58		ia.				
actor Co	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)				7	(	ppb)				- 5		(ppm)					(	(ppb)					
Detection	on Limit <sup>3</sup>	Ambient + 100	0.05	1			1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water 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
sult⁴	S	22.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	13.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М		я	3	ä		NS						**	16.					NS						
Anal	В	20.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND .	13.6	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND

- 1 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
- -- 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>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date	0								W			09/16	6/2013										
	Surve	у Туре												V - Vess	sel Based					8					
С	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Comi	nents															
	Т	ide							G >						ood										
		Location												Dred	ge 506					×					
Loca	nple ation	08				Upcu	rrent (A	mbien	t)		-								Downcur	rent					
	nce to Irce					Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft	2		× <sup>10</sup>			
Sam	ole ID					091	613-D50	6-F-U										09	1613-D50	06-F-D					
Sampl	e Time	2087					08:01												08:09	ı					
, comment	raiametei	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)		55				(ppb)				32	
Detectio	on Limit <sup>3</sup>	Ambient +	0.05				1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05			-		0.2	0.2	0.2	0.2		0.1
Water of		*	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	34.0	ND	ND	ND	ND	12 .	ND	ND	ND	ND	ND	ND	50.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	· ND
Analytical Result <sup>4</sup>	М				·		NS	-									11		NS						
Analy	В	34.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	50.4	ND	ND	ND	ND	14	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 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> 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

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

Survey Date							86							09/16	6/2013						2				
Survey Type														V - Ves	sel Based										
С	DRR - Dredging Comments																								
Tide					Ebb																				
Source Location					Dredge 551																				
Sam Loca		Upcurrent (Ambient)										Downcurrent													
Distar Sou		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
Sample ID		091613-D551-E-U											091613-D551-E-D												
Sample	Time	10:23											10:16												
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
Unit		(ppm)											(ppm)												
Detection Limit <sup>3</sup>		Ambient + 100	0.05				1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water Quality Standard <sup>3</sup>		*	0.0007	8.2	5.6	8.0	66		*			16	0.0006	*	0.0007	8.2	5.6	8.0	66			-		16	0.0006
ssult <sup>4</sup>	s	NS										NS													
Analytical Result <sup>4</sup>	М	13.6	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	38.0	ND	ND	ND	ND	14	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 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> 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

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

Survey Date						11		8						09/16	6/2013												
Survey Type						2								V - Vess	sel Based												
Construction Activity					DRR - Dredging Comments																						
Tide																	Flood										
Source Location					Dredge 551																						
Sample Location				Upcurrent (Ambient)															Downcur	rent							
Distar Sou			Approx. 500 - 1000 ft <sup>1</sup>										500 ft <sup>2</sup>											si			
Sample ID		091613-D551-F-U										091613-D551-F-D															
Sample Time		07:43										07:36															
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		
Unit		(ppm)		(ppb)										(ppm)													
Detection Limit <sup>3</sup>		Ambient + 100	0.05					0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	1	1	1		0.2	0.2	0.2	0.2	-	0.1		
Water Quality Standard <sup>3</sup>		*	0.0007	8.2	5.6	8.0	66	ı		1	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66			1	1	16	0.0006		
esult <sup>4</sup>	s	NS										NS															
Analytical Result <sup>4</sup>	М	12.4	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	12.4	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND		
Analy	В	NS										2	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
- -- 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>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom