	Surve	ey Date												09/24	1/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ty		DRR -	Dredgi	ng		Comi	nents															
	Т	ide												E	bb										
		Location												Decant C	Operations	S									
Sample Location Distance to Source						Upcu	rrent (Aı	mbien	t)									I	Downcur	rent					
						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Source Sample ID						092	413-D21	1-E-U										09	2413-D21	1-E-D					
Sample	e Time		_				09:41								_				09:22						
Parameter		l Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	l Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
		Total							Aro	Aro	Aro	Š	Ben	Total							Aro	Aro	Aro	Š	Ben
Ur	nit	(ppm)				1	(ppb)					ı	(ppm)				1	1	(ppb)		1	1	1	ı
Detectio	on Limit ³	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	ı	0.1
Water 6	-	*	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	12.0	ND	ND	3.5	ND	13	ND	ND	ND	ND	ND	ND	28.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
ytical Re	S 12.0 ND M						NS												NS						
Anal	В	12.8	ND	ND	3.3	ND	12	ND	ND	ND	ND	ND	ND	53.2	ND	ND	3.7	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
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
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	Surve	ey Date												09/24	1/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ty		DRR -	Dredgi	ng		Comi	ments															
	Т	ide												Fl	ood										
		Location												Decant C	Operations	S									
Sample Location Distance to						Upcu	rrent (A	mbien	t)										Downcur	rent					
						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Source Sample ID						092	413-D21	1-F-U										09	2413-D21	1-F-D					
Sample					11:07												10:51								
Darameter		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
Ğ	<u>.</u>	Total (Σ	_	0			Aroc	Arock	Arock	Arock	Nap	Benz	Total (≥	_	O			Arock	Arock	Arock	Arock	Nap	Benze
Uı	nit	(ppm)					(ppb)						(ppm)					((ppb)					
Detection	on Limit ³	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	1	0.1
Water Stand	-	*	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
esulf⁴	s	13.2	ND	ND	3.0	ND	12	ND	ND	ND	ND	ND	ND	14.4	ND	ND	3.0	ND	13	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	13.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	15.2	ND	ND	3.0	ND	13	ND	ND	ND	ND	ND	ND

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	Surve	ey Date												09/24	1/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activit	ty		DRR -	Dredgi	ng		Com	ments															
	Т	ide												E	bb										
		Location												Dred	ge 551										
Sam Loca						Upcu	rrent (Aı	mbient	:)										Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 ft	.1										500 ft ²	2					
Samp	le ID					092	413-D55	1-E-U										09	2413-D55	51-E-D					
Sample	Time						09:06												08:54						
Un	it	Ambient + G Total Suspended 100 Solids	Mercury	Nickel	Copper	; Lead	l Zinc	0.0 Aroclor 1242	Aroclor 1248	8.0 Aroclor 1254	0.0 Aroclor 1260	Naphthalene	Benzo(a)pyrene	Ambient + G Total Suspended 100 Solids	Wercury	Nickel	Copper	Lead	I Zinc	(pdd) Aroclor 1242	7.0 Aroclor 1248	8.0 Aroclor 1254	0.0 Aroclor 1260	: Naphthalene	9 Benzo(a)pyrene
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	s						NS						_	_	_				NS						_
Analytical Result ⁴	М	14.8	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	30.8	ND	ND	3.7	ND	13	ND	ND	ND	ND	ND	ND
Analy	В						NS								1		•		NS						

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	Surve	y Date												09/24	1/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ty		DRR -	Dredgi	ng		Comi	ments															
	Т	ide													ood										
		Location												Dred	ge 551										
Sam Loca						Upcu	rrent (Aı	mbient	:)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 ft	11										500 ft ²	2					
Samp	ole ID					092	413-D55	1-F-U										09	2413-D55	51-F-D					
Sample	e Time						10:36												10:26						
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)			<u> </u>		((ppb)					
Detectio	n Limit ³	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		-		-	16	0.0006
sult⁴	s														NS										
Analytical Result⁴	М	14.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	65.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

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	Surve	ey Date												09/25	5/2013										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activi	ity		DRR -	Dredgi	ng		Com	ments															
		ide													bb										
		Location												Dred	ge 551										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									İ	Downcur	rent					
Distan Sou		Approx. 500 - 1000 ft ¹ 092513-D551-E-U																	500 ft ²	2					
Samp	le ID					092	513-D55	1-E-U										09	2513-D55	51-E-D					
Sample	Time	_	_				08:54							_	_				08:41						
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)					
Detectio	n Limit ³	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 (*	0.0007	8.2	5.6	8.0	66				1	16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
ssult ⁴	s	_	NS NS												_				NS		_				
Analytical Result ⁴	М	12.8	ND	ND	3.2	ND	12	ND	ND	ND	ND	ND	ND	20.8	ND	ND	3.2	ND	14	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

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	Surve	y Date												09/25	5/2013										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	on Activi	ty		DRR -	Dredgi	ng		Comr	nents															
	Ti	ide													ood										
		Location												Dred	ge 551										
Sam Loca						Upcu	rrent (A	mbien	t)										Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft	2					
Samp	le ID					092	513-D55	1-F-U										09	2513-D55	51-F-D					
Sample	e Time						12:40												12:52	!					
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
Un	nit	(ppm)					(ppb)						(ppm)						(ppb)					
Detectio	n Limit ³	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				ı	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-		-	-	16	0.0006
sult4	s						NS												NS						
Analytical Result ⁴	М	26.8	ND	ND	3.2	ND	13	ND	ND	ND	ND	ND	ND	27.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analy	В						NS						•						NS					1	•

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	Surve	ey Date												09/26	5/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity		DRR -	Dredgi	ng		Com	ments															
		ide													bb										
		Location												Dred	ge 506										
Sam Loca	tion					Upcu	rrent (Aı	mbien	t)									I	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID	092613-D506-E-U															09	2613-D50	6-E-D						
Sample	e Time		11:11																10:55						
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)		<u> </u>			
Detectio	n Limit ³	Ambient + 100	0.05	-			1	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	ı		I	ŀ	0.2	0.2	0.2	0.2	I	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 ⁴	s	9.60	ND	4.3	ND	12	ND	ND	ND	ND	ND	ND	73.6	ND	ND	4.0	ND	13	ND	ND	ND	ND	ND	ND	
Analytical Result ⁴	М		NS																NS						
Analy	В	13.6	ND	ND	4.2	ND	14	ND	ND	ND	ND	ND	ND	94.4	ND	ND	4.0	ND	12	ND	ND	ND	ND	ND	ND

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	Surve	ey Date												09/26	6/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Com	ments															
	Т	ide												Fl	ood										
		Location												Dred	ge 506										
San Loca	nple ation					Upcu	rrent (Aı	mbien	t)									İ	Downcur	rent					
Distai Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID		092613-D506-F-U															09	2613-D50)6-F-D					
Sampl	e Time		13:18 PCB g																13:33						
Q		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 ³	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	ı	0.1
Water Stand	Quality dard ³	*	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
esult ⁴	s	9.20	ND	ND	3.8	ND	12	ND	ND	ND	ND	ND	ND	52.4	ND	ND	4.1	ND	12	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	10.8	ND	ND	4.3	ND	14	ND	ND	ND	ND	ND	ND	70.0	ND	ND	3.6	ND	13	ND	ND	ND	ND	ND	ND

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	Surve	ey Date												09/26	5/2013										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Comr	ments															
		ide													bb										
		Location												Dredo	ge 551										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					092	613-D55	1-E-U										09	2613-D55	1-E-D					
Sample	e Time						10:29												10:18						
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 ³	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
sult⁴	s						NS												NS						
Analytical Result ⁴	М	11.2	ND	ND	4.1	ND	15	ND	ND	ND	ND	ND	ND	26.4	ND	ND	4.4	ND	15	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

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	Surve	y Date												09/26	6/2013										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activi	ty		DRR -	Dredgi	ng		Comr	nents															
		ide													ood										
		Location												Dred	ge 551										
Sam Loca						Upcu	rrent (A	mbien	t)										Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					092	613-D55	1-F-U										09	2613-D55	51-F-D					
Sample	e Time						12:46												12:34						
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
Un	nit	(ppm)					(ppb)				•		(ppm)						(ppb)		•			
Detectio	n Limit ³	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
ssult ⁴	s						NS												NS						
Analytical Result ⁴	М	16.0	ND	ND	3.9	ND	12	ND	ND	ND	ND	ND	ND	40.8	ND	ND	3.7	ND	16	ND	ND	ND	ND	ND	ND
Analy	В						NS						•						NS					1	•

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	Surve	y Date												09/27	7/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ty		DRR -	Dredgi	ng		Comr	nents															
		ide													ood										
		Location												Decant C	Operation	S									
San Loca	ition					Upcu	rrent (A	mbient	t)										Downcur	rent					
Distar Soບ						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID		092713-D211-F-U 13:56															09	2713-D21	1-F-D					
Sampl	e Time		_				13:56						_	_	_				14:07						
ý	5	Suspended Solids	ry.	_	10			42		54 CB	09	ene	yrene	ended	<u>></u>	_	<u>.</u>			42	1	54 CB	09	ene	yrene
otomered retempt		Total Susper 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)					ı
Detectio	n Limit ³	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 of Stand	,	*	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 ⁴	s	8.80	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	7.20	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Anal	В	10.8	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	14.8	ND	ND	ND	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

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

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	Surve	ey Date												09/27	7/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Com	nents															
		ide													bb										
		Location												Dred	ge 506										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID		092713-D506-E-U															09	2713-D50	06-E-D					
Sample	e Time		11:35 PCB Do																11:17						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
D	•	Total	2					Arocl	Arocl	Arocl	Arocl	Nap	Benz	Total	2	_	U			Arocl	Arocl	Arocl	Arocl	Nap	Benz
Ur	nit	(ppm)					(ppb)						(ppm)					((ppb)					
Detectio	n Limit ³	Ambient + 100	0.05	ı				0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05		ı	ı		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
esult ⁴	s	8.40	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	120 ⁵	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Anal	В	11.2	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	100	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND

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⁵ Sample considered unrepresentative of dredging operation due to other activities in the immediate area.

	Surve	ey Date												09/27	7/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Com	ments															
		ide													ood										
		Location												Dred	ge 506										
Sam Loca						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID	092713-D506-F-U															09	2713-D50)6-F-D						
Sample	e Time			16:37															16:50						
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	it	(ppm)	pm) (ppb)																. ((ppb)					
Detectio	n Limit ³	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
esult4	s	7.60 ND ND ND ND 15 ND ND ND ND ND ND ND ND ND ND ND ND ND										ND	49.5	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	
Analytical Result ⁴	М		NS																NS						
Anal	В	10.8	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	26.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND

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	Surve	y Date												09/27	7/2013										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activi	ty		DRR -	Dredgi	ng		Comr	nents															
	Т	ide													ood										
		Location												Dred	ge 551										
Sam Loca	tion					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft	2					
Samp	le ID					092	713-D55	1-F-U										09)2713-D5	51-F-D					
Sample	Time						12:44												12:54	ļ					
Parameter		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
Par		Total S S	Me	z	ŏ	1	.,	Arocic	Arocic	Arocic	Arocic	Napł	Benzo	Total S S	Ň	z	ŏ			Arocic	Arocic	Arocic	Aroclo	Napł	Benzo
Un	it	(ppm)					(ppb)						(ppm)						(ppb)					
Detectio	n Limit ³	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
ssult4	s						NS												NS						
Analytical Result ⁴	М	14.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	55.6	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

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	Surve	y Date												09/28	3/2013										
	Surve	у Туре												V - Vess	sel Based										
Co	nstructi	on Activi	ity		DRR -	Dredgi	ng		Com	ments															
		de													bb										
		Location												Dred	ge 506										
Loca	description																	ļ	Downcur	rent					
Distan Sou		Approx. 500 - 1000 ft ¹																500 ft ²	2						
Samp	le ID					092	813-D50	6-E-U										09	2813-D50	6-E-D					
Sample	Time	_	_				12:59							_	_				13:10						
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 ³	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 C	- 1	*	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 ⁴	s	_	NS NS												_				NS					_	
Analytical Result ⁴	М	10.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	9.60	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

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	Surve	ey Date												09/28	3/2013										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Comr	nents															
		ide													ood										
		Location												Dred	ge 506										
Sam Loca	tion					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft	2					
Samp	le ID					092	813-D50	6-F-U										09	2813-D50	06-F-D					
Sample	Time						14:03												14:13	3					
eter		Suspended Solids	l'y	<u> </u>	er	-		242		254 BC	790	lene	yrene	sl Is	L'A	-	e			242		254 B	560	alene	yrene
Parameter		Total Susper 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)					
Detectio	n Limit ³	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			-	-	16	0.0006
sult⁴	s						NS												NS						
Analytical Result ⁴	М	36.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	46.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analy	В						NS						-						NS	-	-	-	-		-

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	Surve	ey Date												09/28	3/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activi	ity		DRR -	Dredgi	ng		Com	ments															
		ide													bb										
		Location												Dred	ge 551										
Sam Loca	tion Upcurrent (Ambient)																İ	Downcur	rent						
Distan Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	le ID					092	813-D55	1-E-U										09	2813-D55	51-E-D					
Sample	Time						11:23												11:13						
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)					
Detectio	n Limit ³	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					16	0.0006
sult ⁴	s						NS												NS						
Analytical Result ⁴	М	14.8	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	74.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

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	Surve	y Date												09/28	3/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activi	ty		DRR -	Dredgi	ng		Comr	ments															
	Т	ide													ood										
		Location												Dred	ge 551										
Sam Loca	tion					Upcu	rrent (Aı	mbient	t)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 fi	t ¹										500 ft	2					
Samp	le ID					092	813-D55	1-F-U										09	2813-D55	51-F-D					
Sample	e Time						14:31												14:22						
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	it	(ppm)					(ppb)	·					(ppm)						(ppb)					
Detectio	n Limit ³	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	ı	1	-	ı	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-		-		16	0.0006
sult4	s						NS												NS						
Analytical Result ⁴	М	18.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	110	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

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	Surve	ey Date												09/29	/2013										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Com	nents															
	Т	ide												E	bb										
		Location												Decant C	perations	6									
Sample Location Distance to						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distai Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samı	ole ID					092	913-D21	1-E-U										09	2913-D21	1-E-D					
Sampl	e Time						13:47												14:02						
yotomovo		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	. 1242		. 1254 B	. 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	. 1242		. 1254 B	. 1260	Naphthalene	Benzo(a)pyrene
c c	<u>g</u> L	Total Su So	Mer	ž	ပိ	Fe	ΙZ	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Napht	Benzo(Total Su So	Mer	Nic	Col	P	ΙŻ	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Napht	Benzo(
Uı	nit	(ppm)					(ppb)						(ppm)					(ppb)					
Detection	on Limit ³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	1	1	-		0.2	0.2	0.2	0.2	1	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
esult ⁴	s	6.80	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	6.40	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Analy	В	8.40	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	11.6	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND

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	Surve	ey Date												09/29	9/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Com	nents															
		ide													ood										
		Location												Decant C	Operations	3									
San Loca	ition					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	ole ID		092913-D211-F-U															09	2913-D21	1-F-D					
Sampl	e Time						15:09												14:51						
	_	pap						-		СВ		e.	ene	pap						-		СВ		e.	ene
otomore o		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	on Limit ³	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
esult ⁴	s	6.00	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	9.60	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Analy	В	8.80	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	65.6	ND	ND	ND	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

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

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

⁻⁻ No detection limit or water quality standard

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	Surve	ey Date												09/29	9/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Comr	nents															
		ide													ood										
		Location												Dred	ge 506										
Sam Loca	tion					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distan Sou			Approx. 500 - 1000 ft ¹																500 ft	2					
Samp	le ID					092	913-D50	6-F-U										09	2913-D50)6-F-D					
Sample	Time						17:02												16:53						
į	ı	Suspended Solids	ý		Ļ.			42		ZB	90	ene	rene	ended	>		Ŀ.			42		CB	09	ene	rene
Parameter		Total Susper 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 Limit ³	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	-		-		16	0.0006
sult⁴	s						NS												NS						
Analytical Result ⁴	М	6.80	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	8.40	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analy	В						NS						-						NS	-	-	-			-

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	Surve	ey Date												09/29	9/2013										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activ	ity		DRR -	Dredgi	ng		Comr	nents															
		ide													bb										
		Location												Dred	ge 551										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ļ	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					092	913-D55	1-E-U										09	2913-D55	1-E-D					
Sample	Time						11:48												11:38						
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)		<u> </u>	1		(ppb)		<u> </u>				(ppm)			<u> </u>	1		(ppb)		<u> </u>	<u> </u>	1	
Detectio	n Limit ³	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					16	0.0006
ssult ⁴	s						NS												NS						
Analytical Result ⁴	М	8.80	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	13.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

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	Surve	ey Date												09/29	9/2013										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activi	ity		DRR -	Dredgi	ng		Comr	nents															
		ide													ood										
		Location												Dred	ge 551										
Sam Loca	tion					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					092	913-D55	1-F-U										09	2913-D55	51-F-D					
Sample	Time						17:39												17:26						
ster		Suspended Solids	Z	-	ē	_		242		B 45	990	lene	yrene	s	Z	_	-e			242		B 45	097	lene	yrene
Parameter		Total Susper 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 ³	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	16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
ssult ⁴	s						NS												NS						
Analytical Result ⁴	М	20.4	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	36.4	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND
Analy	В			•	-	•	NS	-	-	-							•	-	NS	•	•	•	-		•

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	Surve	ey Date												09/30)/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity		DRR -	Dredgi	ng		Com	ments															
		ide													bb										
		Location												Dred	ge 506										
Sam Loca	tion	Upcurrent (Ambient)															ļ	Downcur	rent						
Distan Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	le ID		093013-D506-E-U															09	3013-D50	06-E-D					
Sample	Time						12:23												12:38						
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)					
Detectio	n Limit ³	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					16	0.0006
sult ⁴	s	_	NS NS												_				NS						
Analytical Result ⁴	М	6.80	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	7.20	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

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	Surve	ey Date												09/30)/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity		DRR -	Dredgi	ng		Com	ments															
		ide													bb										
		Location												Dred	ge 551										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ļ	Downcur	rent					
Distan Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	le ID		093013-D551-E-U															09	3013-D55	1-E-D					
Sample	Time						13:07												12:57						
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)					
Detectio	n Limit ³	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					16	0.0006
sult4	s		NS																NS						
Analytical Result ⁴	М	8.00	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	45.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

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	D	ate												10/01	/2013										
	Surve	у Туре												V - Vess	sel Based										
C	construct	ion Activ	lty	3	DRR -	Dredgi	ng		Comi	ments															
	Ţ	lde												Fle	ood										
		Location												Decant C	Operation	s									
	npie ation					Upcu	rrent (A	mblen	t)									į	Downcur	rent					
-45,000,000	nce to urce					Appro	x. 500 -	1000 f	t¹										500 ft ²	2					
Sam	ple ID					100	113- D2 1	1-F-U										10	0113-D21	1-F-D					
Samp	le Time						08:34	60											08:47						
1603.1. *	Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Znc	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
Ų	nit	(ppm)					(ppb)						(ppm)					((ppb)					
Detecti	on Limit ³	Amblent + 100	0.05	17 <u>—</u> 7	17 <u>—</u> 7	1	1	0.2	0.2	0.2	0.2	J	0.1	Ambient + 100	0.05	1	1	1	1	0.2	0.2	0.2	0.2	1	0.1
	Quality dard ³	*	0.0007	8.2	5.6	8.0	66			, = ,:	2. 	16	0.0006	*	0.0007	8.2	5.6	8.0	66	:- :	.=		1	16	0.0006
esulf*	8	8.00	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	8.80	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Analı	В	19.6	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	19.6	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND

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]	D	ate												10/01	/2013										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	on Activ	lty	j	DRR -	Dredgi	ng		Comi	nents															
	550	lde													bb										
		Location		i e										Decant C	Operation:	S									
Sample Location Distance to						Upcu	rrent (A	mblen	t)									ļ	Downcur	rent					
Distar Sou					Appro	x. 500 -	1000 f	t¹										500 ft ²	!						
Samp	ole ID					100	113-D21	1-E-U										10	0113-D21	1-E-D					
Sample	e Time						10:49	2											10:22						
Deremete		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Znc	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	ılt	(ppm)					1	ppb)						(ppm)					(ppb)					
Detectio	on Umit ³	Amblent + 100	0.05	-	:-		-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05		ı	ı	ı	0.2	0.2	0.2	0.2	-	0.1
Water (*	0.0007	8.2	5.6	8.0	66	_	n <u>—</u> n		1221	16	0.0006	•	0.0007	8.2	5.6	8.0	66	1121	n -	-	1	16	0.0006
9eult	s	6.40	ND	ND	3.0	ND	12	ND	ND	ND	ND	ND	ND	12.0	ND	ND	4.0	ND	15	ND	ND	ND	ND	ND	ND
Analytical Result	M						NS												NS		220-				
Anah	В	16.0	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	15.6	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND

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	D	ate												10/01	1/2013										
	Surve	у Туре												V - Vess	sel Based	ĺ									
C	onstruct	on Activ	lty	2	DRR -	Dredgi	ng		Comi	nents	1 F F														
	T	lde												Fle	ood										
		Location												Dred	ge 506										
Loca	nple ation					Upcu	rrent (A	mblen	t)									ļ	Downcur	rent					
	nce to irce					Appro	x. 500 -	1000 f	t¹										500 ft	Z					
Sam	ple ID					100	113-D50	16-F-U										10	0113-D50)6-F-D					
Sampl	e Time						08:09	ï											07:51	9					
	Farameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Znc	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)				7.5		(ppm)						(ppb)					
Detection	on Limit ³	Amblent + 100	0.05	12 <u>—</u> 2	17 <u></u> -7		1	0.2	0.2	0.2	0.2	_	0.1	Ambient + 100	0.05	22.2	1	3	_	0.2	0.2	0.2	0.2	1	0.1
	Quality dard ³	*	0.0007	8.2	5.6	8.0	66		, - ;;	-	(777)	16	0.0006	*	0.0007	8.2	5.6	8.0	66	: 	r.)	-	1	16	0.0006
esult*	8	9.60	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	19.6	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Analy	В	11.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	58.8	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND

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]	D	ate												10/01	/2013										
	Surve	у Туре												V - Vess	el Based										
C	onstruct	lon Activi	lty	j	DRR -	Dredgi	ng		Com	ments															
	50	lde													bb										
		Location												Dred	ge 506										
Sam Loca	tion					Upcu	rrent (A	mblen	t)									İ	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t¹										500 ft ²	2					
Samp	le ID					100	113-D50	6-E-U										10	0113-D50	06-E-D					
Sample	emITe						11:39	ii ii											11:29	Š					
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Znc	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	ilt	(ppm)					1	(ppb)						(ppm)						(ppb)					
Detectio	n Umlt³	Amblent + 100	0.05	-	: -		•	0.2	0.2	0.2	0.2		0.1	Ambiemt + 100	0.05	I	ı	-	-	0.2	0.2	0.2	0.2	Î	0.1
Water (100000000000000000000000000000000000000	•	0.0007	8.2	5.6	8.0	66	1	_	1	-11	16	0.0006	*	0.0007	8.2	5.6	8.0	66	(* == ()	-	1	-	16	0.0006
soul.	s						NS												NS						
Analytical Resulf	м	6.40	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	19.2	ND	ND	3.2	ND	14	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

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

	D	ate												10/01	/2013										
	Surve	у Туре												V - Vess	sel Based	J									
С		ion Activ	ity	Ü	DRR -	Dredgi	ng		Comi	ments															
		lde												105000	ood										
		Location												Dred	ge 551										
San Loca	tion					Upcu	rrent (A	mblen	t)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft	2					
Samp	le ID					100	113-D55	1-F-U										10	0113-D55	51-F-D					
Sample	Time						09:17	7											09:04						
Dayametey		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Znc	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)				l		(ppm)		Į	l		1	(ppb)					
Detectio	n Limit ³	Amblent + 100	0.05	tr <u>—</u> r		-	_	0.2	0.2	0.2	0.2	a_s	0.1	Ambient +	0.05		-	_	_	0.2	0.2	0.2	0.2	1	0.1
Water (*	0.0007	8.2	5.6	8.0	66			-	275	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-		77.	16	0.0006
sout.	S						NS												NS						
Analytical Result ⁴	М	13.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	24.4	ND	ND	3.6	ND	15	ND	ND	ND	ND	ND	ND
Analy	В						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

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

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

⁻⁻ No detection limit or water quality standard

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]	D	ate												10/01	/2013										
	Surve	у Туре												V - Vess	el Based										
C	onstruct	ion Activi	lty	j	DRR -	Dredgi	ng		Comi	ments															
	50	lde													bb										
		Location												Dred	ge 551										
Sam Loca	tion					Upcu	rrent (A	mbleni	i)									ĺ	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	1										500 ft ²	2					
Samp	le ID					100	113-D55	1-E-U										10	0113-D55	51-E-D					
Sample	emITe						11:19	2											11:06						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Znc	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	ilt	(ppm)					(ppb)						(ppm)						(ppb)					
Detectio	n Umlt³	Amblent + 100	0.05	-	: -	1	ı	0.2	0.2	0.2	0.2	I	0.1	Ambiemt + 100	0.05	I	ı	ı	-	0.2	0.2	0.2	0.2	Î	0.1
Water (100000000000000000000000000000000000000	•	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	-	16	0.0006
soul.	s						NS												NS						
Analytical Result	м	10.8	ND	ND	3.6	ND	14	ND	ND	ND	ND	ND	ND	44.4	ND	ND	3.6	ND	14	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

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	D	ate												10/02	2/2013										
	Surve	у Туре												V - Vess	sel Based	S.									
С	onstruct	ion Activi	İty	3	DRR -	Dredgi	ng		Comi	ments															
	T	lde												Fle	ood										
		Location												Dred	ge 506										
Loca						Upcu	rrent (A	mbleni	i)									ļ	Downcur	rent					
Dista Sou	nce to irce					Appro	x. 500 -	1000 f	đ										500 ft	Z					
Samı	ole ID					100	213-D50	6-F-U										10	0213-D50	06-F-D					
Sampl	e Time						09:20	î											09:31	3					
- Section 1		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Z nc	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
Ųı	nit	(ppm)					(ppb)			2.50	7.5		(ppm)						(ppb)					
Detection	n Limit ³	Amblent + 100	0.05	12 — 2	1	22	E	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05	2547)		1		0.2	0.2	0.2	0.2	1	0.1
Water Stan	23	*	0.0007	8.2	5.6	8.0	66		. 			16	0.0006	*	0.0007	8.2	5.6	8.0	66		8 = 8	=	-	16	0.0006
sult.	S						NS												NS						
Analytical Result ⁴	м	20.0	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	17.2	ND	ND	3.3	ND	16	ND	ND	ND	ND	ND	ND
Analy	В						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
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- -- 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.
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

]	D	ate												10/02	2/2013										
	Surve	у Туре												V - Vess	el Based										
C	onstruct	on Activi	lty	j	DRR -	Dredgi	ng		Comi	ments	d F G														
	17.0	lde													bb										
		Location												Dred	ge 551										
Sam Loca	tion					Upcu	rrent (A	mblen	t)									j	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t¹										500 ft ²	2					
Samp	le ID					100	213-D55	i1-E-U										10	0213-D55	51-E-D					
Sample	emIT e						10:47	H											10:37						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Znc	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	ılt	(ppm)					((ppb)						(ppm)						(ppb)					
Detectio	n Umit ^s	Amblent + 100	0.05	-	: -		ı	0.2	0.2	0.2	0.2		0.1	Ambiemt + 100	0.05		I	-	-	0.2	0.2	0.2	0.2	Î	0.1
Water (100000000000000000000000000000000000000	•	0.0007	8.2	5.6	8.0	66	1	_	1	-11	16	0.0006	*	0.0007	8.2	5.6	8.0	66	(* == ()	-	1	-	16	0.0006
sulf.	s						NS												NS						
Analytical Result	М	14.0	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	21.2	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

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	D	ate												10/03	3/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity		DRR -	Dredgi	ng		Com	ments															
		ide												Fle	ood										
		Location												Dred	ge 506										
Sam Loca	tion					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft	2					
Samp	le ID					100	313-D50	6-F-U										10	0313-D50	06-F-D					
Sample	e Time		91:60 PCB PCB PCB PCB PCB PCB PCB PCB PCB PCB																09:06	;					
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 ³	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	1				16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-		16	0.0006
sult4	s						NS												NS						
Analytical Result⁴	М	17.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	30.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

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	Da	ate												10/03	3/2013										
	Surve	у Туре												V - Vess	sel Based										
Co		on Activi	ty		DRR -	Dredgi	ng		Comr	nents															
		de													bb										
		Location												Dred	ge 506										
Sam Loca	tion					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distan Sou										500 ft	2														
Samp	le ID					100	313-D50	6-E-U										10	0313-D50	06-E-D					
Sample	Time						12:10												12:52						
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
Un	it	(ppm)			1		(ppb)						(ppm)						(ppb)		1		ı	1
Detectio	n Limit ³	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 ⁴	s						NS												NS						
Analytical Result ⁴	М	14.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	108	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analyt	В						NS												NS				1		

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	D	ate												10/04	1/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activ	lty	9	DRR -	Dredgi	ng		Comi	nents															
	Ţ	lde												Fle	ood										
		Location												Dred	ge 506										
Loc	nple ation					Upcu	rrent (A	mblen	t)									ļ	Downcur	rent					
	nce to urce					Appro	x. 500 -	1000 f	t¹										500 ft	Z					
Sam	ple ID					100	413-D50	6-F-U										10	0413-D50	06-F-D					
Sampl	emIT el						11:49	ř											11:31						""
	rarameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Znc	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
Ų	nit	(ppm)					(ppb)						(ppm)						(ppb)					
Detection	on Limit ³	Amblent + 100	0.05	12 <u>—</u> 2	17 <u></u> -7		1	0.2	0.2	0.2	0.2	_	0.1	Ambient + 100	0.05	22.2	1	3	_	0.2	0.2	0.2	0.2	1	0.1
	Quality dard ³	*	0.0007	8.2	5.6	8.0	66				2. 	16	0.0006	*	0.0007	8.2	5.6	8.0	66	: .	s = s		1	16	0.0006
esuit,	8	19.6	ND	ND	ND	ND	32	ND	ND	ND	ND	ND	ND	14.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Analy	В	40.4	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	47.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND

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	D	rte													1/2013										
	Surve	у Туре												V - Vess	sel Based										
Co	nstructi	on Activi	lty	j	DRR -	Dredgi	ng		Com	nents															
	17/2	de													bb										
		Location		d'e										Dred	ge 506										
Sam Loca	tion					Upcu	rrent (A	mblen	t)									į	Downcur	rent					
Distan Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	le ID					100	413-D50	6-E-U										10	0413-D50	06-E-D	Î				
Sample	Time						14:01												13:50						
		8							P	СВ			9	8							P	СВ		a	9
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Znc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Znc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Вепzо(а)ругепе
Un	łţ	(ppm)					(ppb)					•	(ppm)			•			(ppb)					
Detection	n Umlt³	Amblent + 100	0.05	-	-	-		0.2	0.2	0.2	0.2	-	0.1	Ambiemt + 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	ī	16	0.0006	*	0.0007	8.2	5.6	8.0	66	(* == ()		n=		16	0.0006
sulť	s						NS												NS						
Analytical Result	M	14.8	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	29.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analy	В				7.11		NS												NS			7.11			

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	D	ate												10/04	/2013										
	Surve	у Туре												V - Vess	el Based	j									
С	onstruct	lon Activi	lty	j	DRR -	Dredgi	ng		Com	nents	Ž.														
		lde												105005	ood										
		Location												Decant C	Operation	s									
San Loca	ation					Upcu	rrent (A	mblen	t)									į	Downcur	rent					
Distance to Source						Appro	x. 500 -	1000 f	t¹										500 ft	2					
Samp	ole ID				100	413-D21	1-F-U										10	0413-D21	1-F-D						
Sampl	e Time						10:54	60											11:02						
Deremotes		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Znc	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
Ųı	nit	(ppm)					(ppb)						(ppm)						(ppb)					
Detection	on Limit ³	Amblent + 100	0.05	12 <u>—</u> 2	19_0	-	1	0.2	0.2	0.2	0.2	J	0.1	Ambient + 100	0.05	1	1	1	1	0.2	0.2	0.2	0.2	_	0.1
Water Stand		*	0.0007	8.2	5.6	8.0	66	-	-	-	2.77	16	0.0006	*	0.0007	8.2	5.6	8.0	66	: .		j		16	0.0006
esult*	S	16.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	15.2	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	M						NS												NS						
Anal	В	25.6	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	25.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND

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	D	ate												10/04	/2013										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activi	lty		DRR -	Dredgi	ng		Comr	nents															
	I	lde												E	bb										
		Location												Decant C	Operation:	s									
San Loca	itlon					Upcu	rrent (A	mblen	t)									İ	Downcur	rent					
Distance to Source						Appro	x. 500 -	1000 f	t¹										500 ft ²	2					
Sample ID						100	413-D21	1-E-U										10	0413-D21	1-E-D					
Sampl				13:02								_				12:43									
Peremote		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Znc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Arocior 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Uı	nit	(ppm)			/4		(ppb)						(ppm)					_	(ppb)		Y	A		
Detection	on Umit ³	Amblent +	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 Stand	37.000.000	*	0.0007	8.2	5.6	8.0	66		n - n		1221	16	0.0006	•	0.0007	8.2	5.6	8.0	66	ee	-	n - -		16	0.0006
seult*	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	23.2	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND			
Analytical Result	M M						NS												NS						
Analy	В	18.8	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	24.0	ND	ND	ND	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

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

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

⁻⁻ No detection limit or water quality standard

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	Surve	ey Date												10/05	5/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Com	nents															
Tide Source Location														Fle	boc										
		Location												Decant C	Operations	3									
Sample Location						Upcu	rrent (A	mbien	t)										Downcur	rent					
Distance to Source						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Sam	ole ID				100	513-D21	1-F-U										10	0513-D21	1-F-D						
Sampl	e Time						09:39												09:19						
o domination of the state of th	a a a a a a a a a a a a a a a a a a a	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 ³	Ambient + 100	0.05	1		-	I	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05	I	I	1	1	0.2	0.2	0.2	0.2	I	0.1
Water Stan	Quality dard ³	*	0.0007	8.2	5.6	8.0	66	ı		_	_	16	0.0006	*	0.0007	8.2	5.6	8.0	66			_	ı	16	0.0006
esult⁴	s	23.6	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	52.4	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
rtical Re	W B 27.6 ND						NS												NS						
Anal	В	27.6	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND	61.6	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND

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	Surve	y Date												10/05	5/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity		DRR -	Dredgi	ng		Com	nents															
		ide													bb										
		Location												Dred	ge 506										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ļ	Downcur	rent					
Distar Sou			x. 500 -	1000 f	t ¹										500 ft ²	2									
Samp	le ID					100	513-D50	6-E-U										10	0513-D50	6-E-D					
Sample	Time						15:53												16:04						
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
Ur	it	(ppm)					(ppb)						(ppm)					. ((ppb)					
Detectio	n Limit ³	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
sult⁴	s						NS												NS						
Analytical Result ⁴	М	31.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	58.0	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

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	Surve	ey Date												10/05	5/2013										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activ	ity		DRR -	Dredgi	ng		Com	ments															
		ide													bb										
		Location												Dred	ge 551										
Sam Loca						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID				100	513-D55	1-E-U										10	0513-D55	51-E-D						
Sample	13:12													_	_				13:26						
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)				II.	
Detection	n Limit ³	Ambient + 100	0.05	-		-	1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	-	ı			0.2	0.2	0.2	0.2	-	0.1
Water 0 Stand		*	0.0007	8.2	5.6	8.0	66	ı		-	ı	16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	1	16	0.0006
sult ⁴	s NS										_	_				NS									
Analytical Result ⁴	М	19.6	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	20.4	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS		•				

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	Surve	y Date												10/06	5/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity		DRR -	Dredgi	ng		Com	nents															
		ide													bb										
		Location												Dred	ge 506										
Sam Loca	tion					Upcu	rrent (A	mbient	t)									İ	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					100	613-D50	6-E-U										10	0613-D50	6-E-D					
Sample	Time	_	_				14:48						_		_				14:28						
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)				<u> </u>	1	(ppm)					((ppb)				l	
Detectio	n Limit ³	Ambient +	0.05	ı		ı	ı	0.2	0.2	0.2	0.2		0.1	Ambient +	0.05	_	ı		-	0.2	0.2	0.2	0.2	_	0.1
Water (*	0.0007	8.2	5.6	8.0	66	ı		_	ı	16	0.0006	*	0.0007	8.2	5.6	8.0	66			_	-	16	0.0006
esult4	s						NS												NS						
Analytical Result ⁴	М	17.6	0.05	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	37.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analy	В	_	_				NS		•			•	_		_				NS	_	•				_

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	Surve	ey Date												10/06	6/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Com	nents															
	Т												FI	ood											
		Location												Dred	ge 506										
Sample Location						Upcu	rrent (Aı	mbien	t)										Downcur	rent					
Distance to Source						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Sam	ole ID					100	613-D50	6-F-U										10	0613-D50)6-F-D					
Sampl	e Time						09:49												09:34						
3000	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)					(ppb)						(ppm)					((ppb)					
Detection	on Limit ³	Ambient + 100	0.05	ı		ı	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	I	I	I	-	0.2	0.2	0.2	0.2	ı	0.1
Water Stan	Quality dard ³	*	0.0007	8.2	5.6	8.0	66	-		_	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66			_	-	16	0.0006
esult ⁴	s	33.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	34.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Anal	В	26.8	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	43.6	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND

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	Surve	ey Date												10/06	6/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Com	nents															
		ide													bb										
		Location												Dred	ge 551										
Sam Loca	tion				Upcu	rrent (A	mbien	t)									l	Downcur	rent						
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					100	613-D55	1-E-U										10	0613-D55	1-E-D					
Sample	e Time						13:55												14:15						
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)	<u> </u>			·	•
Detectio	n Limit ³	Ambient + 100	0.05	-		-		0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	ı	ı			0.2	0.2	0.2	0.2	ı	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			ı	ı	16	0.0006
sult ⁴	s						NS												NS						
Analytical Result ⁴	М	18.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	44.4	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND
Analy	В				-		NS												NS						

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	Surve	ey Date												10/07	7/2013										
	Surve	у Туре												V - Vess	sel Based										
С		ion Activi	ity		DRR -	Dredgi	ng		Com	nents															
		ide													ood										
		Location												Decant C	Operation	S									
Sam Loca				Upcu	rrent (A	mbien	t)										Downcur	rent							
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					100	713-D21	1-F-U										10	0713-D21	1-F-D					
Sample	e Time						13:42												13:17						
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 ³	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	ı		-	_	16	0.0006	*	0.0007	8.2	5.6	8.0	66			_	_	16	0.0006
esult ⁴	s	46.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	80.0	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Anal	В	94.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	95.2	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND

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	Surve	ey Date												10/07	7/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ty		DRR -	Dredgi	ng		Comr	nents															
	Т	ide												Fle	boc										
		Location												Dred	ge 551										
Sam Loca	tion				Upcu	rrent (Aı	mbient	t)										Downcur	rent						
Distar Sou					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2						
Samp	ole ID					100	713-D55	1-F-U										10	0713-D55	51-F-D					
Sample	e Time						14:08												13:58						
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 ³	Ambient + 100	0.05	ı		ı	I	0.2	0.2	0.2	0.2	I	0.1	Ambient + 100	0.05	-	-			0.2	0.2	0.2	0.2	I	0.1
Water (*	0.0007	8.2	5.6	8.0	66	ı		_	ı	16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	-	16	0.0006
sult⁴	s						NS												NS						
Analytical Result ⁴	М	30.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	38.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

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	Surve	ey Date												10/08	3/2013										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Com	nents															
		ide													bb										
		Location												Decant C	perations	3									
Sample Location Distance to						Upcu	rrent (A	mbien	t)									İ	Downcur	rent					
Distar Soເ						Appro	x. 500 -	1000 f	t ¹										500 ft²	2					
Samp	ole ID					100	813-D21	1-E-U										10	0813-D21	1-E-D					
Sampl	e Time		15:54																15:35						
yotomoto		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 ³	Ambient + 100	0.05	-		_		0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	-	Ι			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
esult ⁴	s	18.8	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	19.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Analy	В	21.2	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	35.6	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND

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	Surve	ey Date												10/08	3/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Com	nents															
		ide													ood										
		Location												Decant (Operation	S									
Sam Loca	ition					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					100	813-D21	1-F-U										10	0813-D21	11-F-D					
Sample	e Time						14:27												14:05						
i	2	Suspended	5	_	-			42	ı	54 CB	09	eue	yrene	ended	5	_	_			42	T	54 CB	09	eue	yrene
Darameter	5	Total Susper 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 ³	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
esult4	s	23.2	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	24.4	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	NS																	NS						
Anal	В	48.0	48.0 ND ND ND ND 16 ND ND ND ND ND ND ND											49.2	ND	ND	ND	ND	18	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

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

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

⁻⁻ No detection limit or water quality standard

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	Surve	ey Date												10/08	3/2013										
	Surve	у Туре												V - Vess	sel Based										
Co	nstructi	ion Activ	ity		DRR -	Dredgi	ng		Comr	nents															
		ide													bb										
		Location												Dred	ge 506										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					100	813-D50	6-E-U										10	0813-D50	6-E-D					
Sample	Time						16:22												16:10						
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 ³	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 Stand		*	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
ssult ⁴	s			_			NS			_									NS			_	_		
Analytical Result ⁴	М	27.6 ND ND ND 14 ND N											ND	32.0	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
Analy	В		NS																NS						

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	Surve	y Date												10/08	3/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Com	nents															
	Т	ide												Flo	bod										
		Location												Dred	ge 506										
Sam Loca	ition					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					100	813-D50	6-F-U										10	0813-D50)6-F-D					
Sample	e Time						11:35												11:19	1					
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)	`		_ `		ш	(ppm)						(ppb)		_ `	_ `		ш
Detectio	n Limit ³	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 (*	0.0007	8.2	5.6	8.0	66	-	1			16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult4	s	18.0 ND ND ND ND 15 ND ND ND ND										ND	ND	35.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	NS																NS							
Anal	В	51.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	83.6	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND

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	Surve	ey Date												10/08	3/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity		DRR -	Dredgi	ing		Comr	nents															
		ide													ood										
		Location												Dred	ge 551										
Sam Loca						Upcu	rrent (A	mbien	t)									1	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					100	813-D55	1-F-U										10	0813-D55	51-F-D					
Sample	Time						10:56												11:09						
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)					•
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	007 8.2 5.6 8.0 66 16 0.0										*	0.0007	8.2	5.6	8.0	66			-	1	16	0.0006
ssult ⁴	s	s NS																	NS						
rtical Re	S											21.6	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND		
Analy	В	B NS																NS							

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	Surve	ey Date												10/09	9/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Comr	nents															
		ide													bb										
		Location												Dred	ge 506										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ļ	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					100	913-D50	6-E-U										10	0913-D50	6-E-D					
Sample	e Time						08:11												08:01						
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 ³	Ambient + 100	0.05	-		ı		0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	I	ı		1	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			-	ı	16	0.0006
sult⁴	s		NS																NS						
Analytical Result ⁴	M 37.6 ND ND ND 13 ND ND ND ND ND ND ND ND									107	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND				
Analy	B NS															NS									

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	Surve	ey Date												10/09	9/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Com	nents															
	Т	ide												FI	ood										
		Location												Dred	ge 506										
Loca						Upcu	rrent (A	mbien	t)										Downcur	rent					
Distai Sou	nce to Irce					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					100	913-D50	6-F-U										10	0913-D50)6-F-D					
Sampl	e Time						10:35												10:17						
a common	alaileid a	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 ³	0.05	ı		-		0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	ı	ı			0.2	0.2	0.2	0.2	ı	0.1	
Water Stand	Quality dard ³	*	0.0007	8.2	5.6	8.0	66	ı		_	_	16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	ı	16	0.0006
esult⁴	s	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	52.8	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	
Analytical Result⁴	М					NS												NS							
Anal	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	47.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND		

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	Surve	ey Date												10/10)/2013										
	Surve	еу Туре												V - Vess	el Based										
С	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Com	nents															
		ide													bb										
		Location												Decant C	perations	3									
San Loca	ition					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distar Soເ						Appro	x. 500 -	1000 f	t ¹										500 ft ²	!					
Samp	ole ID					101	013-D21	1-E-U										10	1013-D21	1-E-D					
Sampl	e Time						09:36												09:19						
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)			<u> </u>		((ppb)		<u> </u>	<u> </u>	<u> </u>		(ppm)					(ppb)	1	1	<u> </u>		1
Detectio	n Limit ³	Ambient + 100	0.05	ı		_		0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	-	ı		-	0.2	0.2	0.2	0.2	I	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
esult ⁴	s	34.8	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	45.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М					NS												NS							
Analy	В	49.2	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	64.4	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	

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	Surve	y Date												10/10)/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Comr	nents															
		ide													bb										
		Location												Dred	ge 506										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ļ	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					101	013-D50	6-E-U										10	1013-D50	6-E-D					
Sample	e Time						09:04												08:53						
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
Ur	nit	(ppm)			•		((ppb)						(ppm)			•		((ppb)				•	-
Detectio	n Limit ³	Ambient + 100	0.05	-		ı		0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	I	ı		1	0.2	0.2	0.2	0.2	1	0.1
Water (*	0.0007	007 8.2 5.6 8.0 66 16 0										*	0.0007	8.2	5.6	8.0	66			-	ı	16	0.0006
sult⁴	s		NS																NS						
Analytical Result ⁴	M 34.8 ND ND ND ND 14 ND ND ND ND ND ND ND										102	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND			
Analy	В	NS																NS							

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	Surve	ey Date												10/10)/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Com	nents															
	Т	ide												FI	ood										
		Location												Dred	ge 506										
Loca	nple ation					Upcu	rrent (A	mbien	t)										Downcur	rent					
	nce to irce					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samı	ole ID					101	013-D50	6-F-U										10	1013-D50	6-F-D					
Sampl	e Time						11:27												11:37						
3000	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)					(ppb)						(ppm)			•	•		(ppb)					
Detection	on Limit ³	Ambient + 100	0.05	ı		-	I	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	ı	ı			0.2	0.2	0.2	0.2	I	0.1
Water Stan	Quality dard ³	*	0.0007	8.2	5.6	8.0	66	-		_	_	16	0.0006	*	0.0007	8.2	5.6	8.0	66			_	-	16	0.0006
esult ⁴	s	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	54.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	
Analytical Result⁴	М					NS												NS							
Analı	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	38.4	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND		

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	Surve	y Date												10/10)/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity		DRR -	Dredgi	ng		Com	nents															
		ide													bb										
		Location												Dred	ge 551										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					101	013-D55	1-E-U										10	1013-D55	51-E-D					
Sample	Time						08:41												08:31						
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
Ur	it	(ppm)					(ppb)						(ppm)						(ppb)					
Detectio	n Limit ³	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			-	-	16	0.0006
sult⁴	s	NS																	NS						
Analytical Result ⁴	M 34.4 ND ND ND ND 12 ND ND ND ND ND ND ND ND										ND	57.2	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND		
Analy	B NS															NS									

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