	D	ate												8/2	2/13										
	Surve	у Туре											7	V - Vess	sel Based										
С	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Comr	nents															
	Т	ide												E	bb			-				E			
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Location		2										Dredge	No. 551			, ii						11	
11	Sample Upcurrent (Ambient)															I	Downcur	rent							
Distar Sou	nce to Irce		Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	ole ID	34				080	213-551	I-E-U										08	30213-55	1-E-D					
		pəş	080213-551-E-U																		P	СВ		ø	ne ne
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)				- 8	((ppb)					
Detectio	on Limit ³	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		-	9 3	-	0.2	0.2	0.2	0.2		0.1
Water (*	0.0007	8.2	5.6	8	66					16	0.0006	*	0.0007	8.2	5.6	8	66			-		16	0.0006
esult4	s	9.20	ND	ND	4.2	ND	16	ND	ND	ND	ND	ND	ND	9.60	ND	ND	4.6	ND	12	ND	ND	ND	· ND	ND	ND
Analytical Result⁴	М	9.20	ND	ND	4.6	ND	17	ND	ND	ND	ND	ND	ND	13.2	ND	ND	4.3	ND	18	ND	ND	ND	ND	ND	ND
Analy	В	8.80	. ND	ND	4.4	ND	33	ND	ND	ND	ND	ND	ND	12.8	ND	ND	4.2	ND	17	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 were collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation 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

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

	D	ate									ж.			8/2	2/13		T. K					868			
	Surve	у Туре										.5		V - Vess	sel Based	Ľ.	12								
Co	onstructi	ion Activ	ity		DRR -	Dredgi	ng		Comr	nents															
	T	ide				26			*						bb										
	Source Location Dre											Dredge	No. 506												
Sam Loca	1.5				Upcu	rrent (A	mbien	t)					9				I	Downcur	rent						
Distan Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	le ID					080	213-506	6-E-U					٠					08	0213-506	6-E-D					
		pel						7.	PO	СВ		0	ne	pel							P	СВ		0	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	iit	(ppm)					(ppb)						(ppm)					((ppb)					
Detec Lim		Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05				* <u></u>	0.2	0.2	0.2	0.2		0.1
Water (our source () () ()	*	0.0007	8.2	5.6	8	66	-	-		1	16	0.0006	*	0.0007	8.2	5.6	8	66	-	-			16	0.0006
esult ⁴	s	10.4	ND	ND	4.3	ND	17	ND	ND	ND	ND	ND	ND .	53.6	ND	ND	4.0	ND	17	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	15.6	5.6 ND ND 4.7 ND 15 ND ND ND ND											48.4	ND	ND	4.2	ND	16	ND	ND	ND	ND	ND	ND
Analy	В	13.2	ND	ND	5.2	ND	15	ND	ND	ND	ND	ND	ND	66.4	ND	ND	4.2	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

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

³ Based on New York State Department of Environmental Conservation 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

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

	D	ate												8/3	3/13	===00.79=									
	Surve	у Туре												V - Vess	sel Based	i		74		139					
С	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Com	ments							i i								
	Т	ide												E	bb										
		Location												Dredge	No. 551				S.			2			
Sam Loca	ition				Upcu	rrent (A	mbien	t)									ı	Downcur	rent						
Distar Sou				-	Appro	x. 500 -	1000 f	t¹				5		9 1				500 ft ²	2						
Samp	ole ID	94				080	313-55	1-E-U										08	30313-55	1-E-D					-
	Sample ID											led							P	СВ		o,	ae L		
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)			æ		. (ppb)			*			(ppm)					((ppb)					
Dete Lin		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	66					16	0.0006	*	0.0007	8.2	5.6	8	66				_	16	0.0006
esult ⁴	s	8.00	ND	15	ND	ND	ND	ND	ND	ND	22.0	ND	ND	4.2	ND	23	ND	ND	ND	ND	ND	ND			
Analytical Result ⁴	М	9.60	ND	ND	4.3	ND	17	ND	ND	ND	ND	ND	ND	13.6	ND	ND	4.5	ND	17	ND	ND	ND	ND	ND	ND
Anal	В	10.0	ND	ND	4.5	ND	18	ND	ND	ND	ND	ND	ND	16.0	ND	ND	4.4	ND .	50	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 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

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

	D	ate												8/3	3/13	92									
	Surve	у Туре		1										V - Ves	sel Based	i									
C	onstruct	ion Activ	ity		DRR -	Dredgi	ing		Comi	ments															
	Т	ide												FI	ood										
	100 march 2011 2011 2011	Location									iii		Dredge	No. 506										11	
Sam Loca				10 20	Upcu	rrent (A	mbien	t)										Downcur	rent						
Distar Sou	CONTRACTOR CONTRACTOR			Appro	x. 500 -	1000 f	t¹		1								500 ft	2							
Samp	Approx. 500 - 1000 ft ¹ Sample ID 080313-506-F-U															0	80313-50	6-F-D							
p PCI										СВ		0	ne	pə					, ,		P	СВ			e e
or a to me reco		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)	411				(ppb)		**				(ppm)				6		(ppb)	•				
Detec Lim		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
	ter Quality andard ^{3, 5} * 0.0007 8.2 5.6 8 66						66					16	0.0006	25 J	0.0007	8.2	5.6	8	66				-	16	0.0006
esult ⁴	ND	4.1	ND	15	ND	ND	ND	ND	ND	ND	12.0	ND	ND	4.1	ND	19	ND	ND	ND	ND	ND	ND			
Analytical Result ⁴	М	8.40	ND	ND	4.2	ND	14	ND	ND	ND	ND	ND	ND	10.4	.ND	ND	4.1	. ND	18	ND	ND	ND	ND	ND	ND
Anal	В	9.60	ND	ND	3.9	ND	15	ND	ND	ND	ND	ND	ND	12.0	ND	ND	4.5	ND	17	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 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

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

	D	ate				- 1								8/3	3/13										
	Surve	у Туре									37			V - Ves	sel Based	ı									
C	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Com	nents															
	Т	ide						95	- 1					E	bb										47
		Location											Dredge	No. 506											
Sample Location						Upcu	rrent (A	mbien	it)										Downcur	rent					
Distar Sou	14004000 0000000				Appro	x. 500 -	1000 f	ft ¹										500 ft	2						
Samp	ole ID					080	313-506	S-E-U										08	30313-50	6-E-D					
		led					100		P	СВ		d)	ne ne	pəl							P	СВ		4	l e
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)			81		(ppb)						(ppm)						(ppb)					
Detec Lim	Report Will	Ambient + 100	0.05				Sem.	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05			P <u>212</u> 8		0.2	0.2	0.2	0.2	-	0.1
Water 0		*	0.0007	8.2	5.6	8	66		-		1	16	0.0006	*	0.0007	8.2	5.6	8	66	_		-	-	16	0.0006
esult ⁴	S 12.8 ND ND						15	ND	ND	ND	ND	ND	ND	17.2	ND	ND	4.0	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	ND	ND	4.3	ND	14	ND	ND	ND	ND	ND	ND	51.2	ND	ND	4.3	ND	14	ND	ND	ND	ND	ND	ND	
Analy	В	13.2	ND	ND	4.3	ND	15	ND	ND	ND	ND	ND	ND	3.80	ND	ND	4.1	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

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

³ Based on New York State Department of Environmental Conservation 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

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

	D	ate												8/4	4/13										
	Surve	у Туре			- 6									V - Ves	sel Based	ı									
С	onstruct	ion Activ	ity	ı	ORR -	Dredgi	ng		Com	nents															
	Т	ide													ood										
		Location												Dredge	No. 506										
Sample Location Distance to						Upcu	rrent (A	mbien	t)									ļ	Downcur	rent					
Distance to Source						Appro	x. 500 -	1000 f	t¹										500 ft	2					
Sam	ole ID				080	0413-50	6-F-U										08	30413-50	6-F-D						
							P	СВ		a \	ne	pəl							P	СВ		Φ	ne		
a contract of		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)					
Dete Lir		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
	Quality lard ^{3, 5}	*	0.0007	8.2	5.6	8	66				J	16	0.0006	*	0.0007	8.2	5.6	8	66				-	16	0.0006
sult ⁴	s	ND	ND	ND	4.1	ND	ND	ND	ND	ND	ND	ND	ND	26.0	ND	ND	4.5	ND	ND	ND	ND	ND	ND	ND	ND
M 17.0 ND				ND	4.6	ND	ND	ND	ND	ND	ND	ND	ND	40.0	ND	ND	4.3	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	20.0	ND	ND	4.1	ND	ND	ND	ND	ND	ND	ND	ND	59.0	ND	ND	4.5	ND	ND	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 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

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

	D	ate												8/	5/13										
	Surve	у Туре												V - Ves	sel Based	i									
С	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Com	ments															
	Т	ide												FI	ood										
		Location											Dredge	No. 506											
Sample Location Distance to						Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou					Appro	x. 500 -	1000 f	ft ¹										500 ft	2						
Samp	ole ID		080)513-506	6-F-U										0	80513-50	6-F-D								
		pəl							P	СВ			ne	led							P	СВ		6	пе
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)		V//			(ppb)						(ppm)						(ppb)					À
Dete:		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	66	1	1 <u></u> -			16	0.0006	*	0.0007	8.2	5.6	8	66		-	2 2		16	0.0006
sulf⁴	s	19.2	ND	ND	4.2	ND	16	ND	ND	ND	ND	ND	ND	21.2	NĐ	ND	4.2	ND	15	ND	ND	ND	ND	ND	ND
S 19.2 ND				ND	4.2	ND	15	ND	ND	ND	ND	ND	ND	60.0	ND	ND	4.2	ND	15	ND	ND	ND	ND	ND	ND
Analy	В	43.2	ND	ND	4.4	ND	14	ND	ND	ND	ND	ND	ND	123	ND	ND	4.0	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 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

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

	D	ate												8/5	5/13										
	Surve	у Туре												V - Vess	sel Based	ı									
C	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Com	ments															
	Т	ide													bb										
		Location												Dredge	No. 506										
Sample Location						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Location Distance to Source						Appro	x. 500 -	1000 f	t¹										500 ft ²	2					
Source Sample ID						080	513-50	6-E-U										30	30513-50	6-E-D					
B									P	СВ			ne	led							P	СВ		Φ	e e
Parameter		Total Suspend Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Pead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(ppb)						(ppm)						(ppb)					
2000		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
		*	0.0007	8.2	5.6	8	66					16	0.0006	*	0.0007	8.2	5.6	8	66	-	-		-	16	0.0006
ssult4	s	18.4	ND	ND	4.3	ND	21	ND	ND	ND	ND	ND	ND	89.0	ND	ND	4.4	ND	ND	ND	ND	ND	ND	ND	ND
rtical Re	М	16.4	ND	ND	4.2	ND	15	ND	ND	ND	ND	ND	ND	70.0	ND	ND	4.1	ND	ND	ND	ND	ND	ND	ND	ND
Unit (ppm) Detection Limit³ + 100 0.05 Water Quality Standard³ * 0.0007					4.1	ND	15	ND	ND	ND	ND	ND	ND	104	ND	ND	4.1	ND	ND	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 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

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

	D	ate												8/6	6/13							5 5			
	Surve	у Туре												V - Ves	sel Basec	ı									
C	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Com	ments								8							
	Т	ide												FI	ood										
		Location												Dredge	No. 551										
	tion					Upcu	rrent (A	mbien	it)					==					Downcur	rent					
Location Distance to Source						Appro	x. 500 -	1000 1	ft ¹	10		11		21.681					500 ft	2					
Samp	ole ID	1				080	613-55	1-F-U	100									08	30613-55	1-F-D					
		pa							P	СВ			ne	pa							PC	СВ		Φ	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(ppb)						(ppm)						(ppb)					
Dete Lim		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 (Stand		*	0.0007	8.2	5.6	8	66					16	0.0006	*	0.0007	8.2	5.6	8	66			-		16	0.0006
esulf*	s	20	ND	ND	6.5	ND	14	ND	ND	ND	ND	ND	ND	24	ND	ND	6.2	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	21	ND	ND	5.6	ND	13	ND	ND	ND	ND	ND	ND	24	ND	ND	6.5	ND	33	ND	ND	ND	ND	ND	ND
Analy	В	36	ND	ND	4.9	ND	13	ND	ND	ND	ND	ND	ND	33	ND	ND	6.2	ND	12	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 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

- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
- ⁵ Upcurrent (ambient) concentration exceed the Water Quality Standard, Downcurrent concentration is less than 30% over background.
- ⁶ Exceedances are less than 30% over upcurrent (background) concentration.

	D	ate												8/6	3/13										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activi	ity	1	ORR -	Dredgi	ng		Com	nents															
	Т	ide												E	bb										v
	Source	Location												Dredge	No. 506										
					Upcu	rrent (A	mbien	t)									Ι	Downcur	rent					A	
					Appro	x. 500 -	1000 f	t¹										500 ft ²	2						
Samp	Distance to Source Approx. 500 - 1000 ft ¹ Sample ID 080613-506-E-U															08	30613-50	6-E-D							
	Darameter Dara											led				111			PO	СВ		9	ne		
Parameter		Total Suspend Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyre	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)					
		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	3 <u>44</u>	0.1
Water 0	75 (97) (10) (10) (10)	*	0.0007	8.2	5.6	8	66	ı	-			16	0.0006	*	0.0007	8.2	5.6	8	66					16	0.0006
				ND	6.1	ND	12	ND	ND	ND	ND	ND	ND	96	ND	ND	5.6	ND	12	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	33	ND	ND	6.1	ND	14	ND	ND	ND	ND	ND	ND	110	ND	ND	6.0	ND	14	ND	ND	ND	ND	ND	ND
Analy	В	65	ND	ND	5.8	ND	15	ND	ND	ND	ND	ND	ND	100	ND	ND	5.8	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 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

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

⁵ Upcurrent (ambient) concentration exceed the Water Quality Standard, Downcurrent concentration is less than 30% over background.

	D	ate		1										8/7	7/13										
	Surve	у Туре					-							V - Vess	sel Based										
C	onstructi	ion Activi	ity		ORR -	Dredgi	ng		Com	nents															
	Ti	ide													ood										
		Location												Dredge	No. 551										
Sam Loca						Upçu	rrent (A	mbien	t)										Downcur	rent				V	
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID	122				080	713-551	I-F-U										08	30713-55	1-F-D					
		pa							PC	В		41	e e	pal							P	СВ	r -	ø	ne
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)					
Detec Lin		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 6		*	0.0007	8.2	5.6	8	66			-		16	0.0006	*	0.0007	8.2	5.6	8	66					16	0.0006
sult ⁴	s	18.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	36.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analy	В	35.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46.0	ND	ND	ND	ND	ND	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 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, see 8/6/13 modification to Condition 60 of New York State Department of Environmental Conservation Permit Facility ID 3-9903-00043/00012-14
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	D	ate												8/7	7/13										
	Surve	у Туре												V - Vess	el Based										
Co	onstruct	ion Activ	ity		ORR -	Dredgi	ng		Comr	nents															
	Т	ide												-500	bb										
	Source	Location												Dredge	No. 551						,				
Sample Upcurrent (Ambient)																Downcuri	rent								
	stance to Approx. 500 - 1000 ft ¹																500 ft ²	2				.05	a		
Samp	ole ID	Approx. 500 - 1000 π 080713-551-E-U																30	80713-551	I-E-D					
		pa	is a						PC	В		a)	ne	led							PC	СВ		a)	ene
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)				•8	(ppb)					
Detec Lin	COLUMN TO COLUMN	Ambient + 100	0.05	-			3 2- 3	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	66				-	16	0.0006	*	0.0007	8.2	5.6	8	66	=				16	0.0006
sult ⁴	s	NS N										NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Analytical Result ⁴	M 38.0 ND ND ND ND 17 ND ND ND ND ND ND ND ND 1											28.4	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND		
Analy	В	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	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 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 Detecte

NS =Not Sampled due to water depth, see 8/6/13 modification to Condition 60 of New York State Department of Environmental Conservation Permit Facility ID 3-9903-00043/00012-14

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

	D	ate						N						8/7	7/13										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	I	DRR -	Dredgi	ng		Com	ments															
	Т	ide				#f				3					ood										
		Location												Dredge	No. 506										
Sample Location						Upcu	rrent (A	mbien	t)									3	Downcur	rent					
Distan Sou	and the second of the second					Appro	x. 500 -	1000 f	t¹		- 1000000								500 ft ²	2					
Samp	le ID					080	713-506	6-F-U										08	30713-506	6-F-D					
Sample ID paper s s Li						·			PC	СВ		a a	ne	ded							PC	СВ		е	ne .
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	nit	(ppm)		-			(ppb)						(ppm)				- 11	(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05	. .	-	ï) - :	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		*	0.0007	8.2	5.6	8	66	_	-	_	-	16	0.0006	*	0.0007	8.2	5.6	8	66		-	_	-	16	0.0006
\$ 39.0 ND				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59.0	ND	ND	3.1	ND	ND	ND	ND	ND	ND	ND	ND
rtical Re	NO NO NO NO NO NO NO NO				NS	NS	NS	NS	NS.	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analy	В	38.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	71.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND

ND =Not Detected

NS =Not Sampled due to water depth, see 8/6/13 modification to Condition 60 of New York State Department of Environmental Conservation Permit Facility ID 3-9903-00043/00012-14

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

	D	ate												8/7	7/13										
	Surve	у Туре												V - Vess	el Based										
С	Construction Activity DRR - Dredging Comments																								
	Ti	de												VI 200	bb										
		Location												Dredge	No. 506									-,	
Sam Loca	tion					Upcu	rrent (A	mbien	t)		-2112	*		8					Downcuri	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	?					
Samp	ole ID					080	713-506	6-E-U										90	0713-506	6-E-D					
		Pa							PC	СВ		a u	ine	ded							PC			e	ene
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
Ui	nit	(ppm)					(ppb)						(ppm)					((ppb)					
Detection	on Limit ³	Ambient + 100	0.05	-	Τ	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	1	-	-	I	0.2	0.2	0.2	0.2	-	0.1
Water Stand		*	0.0007	8.2	5.6	8	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8	66	_	-			16	0.0006
ssult ⁴	s	29.0 ND ND 3.2 ND 14								ND	ND	ND	ND	30.4	ND	ND	3.3	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result⁴	M	NS NS NS NS NS NS NS									NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analy	В	28.0	ND	ND	7.9	ND	16	ND	ND	ND	ND	ND	ND	39.2	- ND	ND	3.2	ND	17	ND	ND	ND	ND	ND	ND

ND =Not Detected

NS =Not Sampled due to water depth, see 8/6/13 modification to Condition 60 of New York State Department of Environmental Conservation Permit Facility ID 3-9903-00043/00012-14

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 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

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

⁵ Upcurrent (ambient) concentration exceeds the Water Quality Standard, downcurrent concentration is less than 30% over background.

8	D	ate							Na					8/7	7/13										
	Surve	у Туре		8										V - Vess	el Based										
C	onstructi	ion Activi	ty	1	ORR -	Dredgi	ng		Comr	nents															
	Ti	ide													ood										
	120000000000000000000000000000000000000	Location												Decant	Barges										
Sam Loca	1.5.0					Upcu	rrent (A	mbien	t)									1	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 ff	t ¹										500 ft ²	2					
Samp	ole ID			-		080	713-DE	C-F-U										80	0713-DE	C-F-D	- 8		91		
		pə							PC	СВ		a	ne	led								СВ		υ	au e
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	53 2250	*	0.0007	8.2	5.6	8	66	-				16	0.0006	*	0.0007	8.2	5.6	8	66					16	0.0006
S 44.0 ND					ND	ND	14	ND	ND	ND	ND	ND	ND	34.0	ND	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND
tical Re	S 44.0 ND ND ND ND ND ND ND N									NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analy	В	94.0	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	72.0	ND	ND	3.3	ND	ND	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 Permit Facility ID 3-9903-00043/00012-14

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ND =Not Detected

NS =Not Sampled due to water depth, see 8/6/13 modification to Condition 60 of New York State Department of Environmental Conservation Permit Facility ID 3-9903-00043/00012-14.

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

	D	ate												8/8	3/13										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activ	ity	1	DRR -	Dredgi	ng		Comi	ments															
	Т	ide													ood										
		Location	- 1											Dredge	No. 506										
Sam Loca						Upcu	rrent (A	mbien	t)					İ				ı	Downcur	rent					
Distar Sou		120				Appro	x. 500 -	1000 f	t¹										500 ft ²	2				101	
Samp	ole ID					080	813-D50	6-F-U										08	0813-D50	6-F-D					
		pa	or est				a leas		P	СВ		4	ne	pel							PO	СВ		ø)	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(ppb)						(ppm)					(ppb)					
Detec Lim		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 (9-10 9-10	**	0.0007	8.2	5.6	8	66	-			-	16	0.0006	*	0.0007	8.2	5.6	8	66			-	1	16	0.0006
esult ⁴	s	33	ND	ND	6.3	ND	ND	ND	ND	ND	ND	ND	ND	47.0	ND	ND	5.7	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analy	В	38	ND	ND	6.5	ND	ND	ND	ND	ND	ND	ND	ND	54.0	ND	ND	6.2	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
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation 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, see 8/6/13 modification to Condition 60 of New York State Department of Environmental Conservation Permit Facility ID 3-9903-00043/00012-14
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
- ⁵ Upcurrent (ambient) concentrations exceed the Water Quality Standard, Downcurrent concentration is less than 30% over background.

	D	ate												8/8	3/13										
	Surve	у Туре												V - Vess	el Based										
C	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Com	nents															
151	Т	ide	mateur less		2.553										bb										
	0.000,000,000,000	Location			y 25									Dredge	No. 551										
Sam Loca				200		Upcu	rrent (Aı	mbien	t)									- 1	Downcur	rent					
Distar Sou		Adding.				Appro	x. 500 -	1000 f	t ¹									10.1	500 ft ²			1.000			
Samp	ole ID					080	813-D55	1-E-U										08	0813-D55	1-E-D					
1		pa	-				10 - 1111		P	СВ		d)	пе	per								CB		9	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(ppb)						(ppm)				TEN	(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	66					16	0.0006	*	0.0007	8.2	5.6	8	66		: :	; x		16	0.0006
sult ⁴	S	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analytical Result ⁴	ND	5.1	ND	ND	ND	ND	ND	ND	ND	ND	58	ND	ND	5.9	ND	ND	ND	ND	ND	ND	ND	ND			
Analy	В	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	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 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

- NS =Not Sampled due to water depth, see 8/6/13 modification to Condition 60 of New York State Department of Environmental Conservation Permit Facility ID 3-9903-00043/00012-14
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
- ⁵ Exceedance is less than 30% over upcurrent (background) concentration.

	D	ate												8/8	3/13										
	Surve	у Туре												V - Vess	sel Basec	i					- United				
Survey Type Construction Activity					DRR -	Dredgi	ng		Com	nents															
	T	ide													ood								a design		
Source Location Sample														Dredge	No. 551										
Sam Loca	37.00					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					080	813-D55	1-F-U										08	0813-D55	51-F-D					
		pal							P	СВ		Ф	ne	led							PO	СВ	_	o o	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Pead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	it	(ppm)					(ppb)						(ppm)					((ppb)					
Detec Lim		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 (10	*	0.0007	8.2	5.6	8	66	-			-	16	0.0006	*	0.0007	8.2	5.6	8	66					16	0.0006
esult4	s	20	ND	ND	5.2	NĐ	13	ND	ND	ND	ND	ND	ND	31	ND	ND	4.5	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			
Analy	В	38	ND	ND	5.5	ND	15	ND	ND	ND	ND	ND	ND	28	ND	ND	5.2	ND	17	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 Permit Facility ID 3-9903-00043/00012-14

⁻⁻ No detection limit or water quality standard

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ND =Not Detected

NS =Not Sampled due to water depth, see 8/6/13 modification to Condition 60 of New York State Department of Environmental Conservation Permit Facility ID 3-9903-00043/00012-14

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

	D	ate												8/9	9/13										
	Surve	у Туре												V - Vess	el Based										
Survey Type Construction Activity					DRR -	Dredgi	ng		Com	nents															
	Т	ide													bb										
Source Location Sample														Dredge	No. 506										
Sam Loca						Upcu	rrent (A	mbien	t)										Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										500 ft ²	2					
Samp	le ID					080	913-D50	6-E-U										080	0913-D50	6-E-D					
		pel							P	СВ		a	ne	pep							PC			Ð	eue
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)						(ppm)					((ppb)					
Detec Lim		Ambient + 100	0.05		-	-	-	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 (TO COURT OF THE SALE	*	0.0007	8.2	5.6	8	66					16	0.0006	*	0.0007	8.2	5.6	8	66			1		16	0.0006
8 30 ND				ND	ND	ND	17	ND	ND	ND	ND	ND	ND	39	ND	ND	3.0	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴ 8				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analy	В	34	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	ND	ND	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 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, see 8/6/13 modification to Condition 60 of New York State Department of Environmental Conservation Permit Facility ID 3-9903-00043/00012-14
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	D	ate												8/9	9/13										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	[DRR -	Dredgi	ng		Comr	ments																
	Т	ide													ood										
		Location											Dredge	No. 506						-					
Sample Location						Upcu	rrent (A	mbien	t)				um seesaan s						Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID	Approx. 500 - 1000 ft ¹ 080913-D506-F-U																08	0913-D50	6-F-D					
		pa							P	СВ		ο σ	ne	per								СВ		9	ene
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	iit	(ppm)					(ppb)						(ppm)					((ppb)					
Detec Lim		Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	1	ı	1	22	0.2	0.2	0.2	0.2		0.1
Water (*	0.0007	8.2	5.6	8	66	-	-			16	0.0006	*	0.0007	8.2	5.6	8	66					16	0.0006
esult4	s	35	ND	ND	3.4	ND	17	ND	ND	ND	ND	ND	ND	30	ND	ND	3.5	ND	18	ND	ND	ND	ND	ND	ND
S 35 ND ND 3.4 ND ND ND ND ND ND ND N							NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analy	В	42	ND	ND	3.4	ND	18	ND	ND	ND	ND	ND	ND	71	ND	ND	3.8	ND	17	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 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, see 8/6/13 modification to Condition 60 of New York State Department of Environmental Conservation Permit Facility ID 3-9903-00043/00012-14

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

	D	ate												8/9	9/13										
	Surve	у Туре		Annual Control										V - Vess	sel Based										
C	onstructi	ion Activi	ity		DRR -	Dredgi	ng		Comr	nents															
	Т	ide					7 7								bb										
		Location							- 1					Dredge	No. 551										
Sam Loca			T.		Upcu	rrent (Ar	mbient	t)										Downcur	rent						
Distar Sou	Charles Services					Appro	x. 500 -	1000 ft	t ¹					127					500 ft ²	2					
Samp	le ID					080	913-D55	1-E-U								227772==4 c =		08	0913-D55	51-E-D					
		pa							P	СВ			Je J	led							PO	СВ		9	au e
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)		00000		7.1	(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	66			-		16	0.0006	*	0.0007	8.2	5.6	8	66					16	0.0006
sult ⁴	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			
Analytical Result ⁴	М	26.0	ND	ND	ND	ND	78	ND	ND	ND	ND	ND	ND	45.0	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND
Analy	В	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	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 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, see 8/6/13 modification to Condition 60 of New York State Department of Environmental Conservation Permit Facility ID 3-9903-00043/00012-14
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
- ⁵ Upcurrent (ambient) concentration exceeds the Water Quality Standard, downcurrent concentration is less than 30% over background.

	D	ate												8/1	0/13										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	on Activi	I	ORR -	Dredgi	ng		Comr	nents																
	Т	ide													ood										
	Source	Location												Dredge	No. 551										
Sam Loca	-K					Upcu	rrent (Aı	mbient	t)									l	Downcur	rent					
Distan Sou	22.200.000.000.0000.0000.					Appro	x. 500 -	1000 f	t ¹						#2				500 ft ²	2					
Samp	le ID		:			081	013-D55	1-F-U										08	1013-D55	51-F-D				7):	
-		pa							P	СВ		0	ne	led							P	СВ	_	e	e e
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)					T.
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 (100 CO 100 CO 100 CO										-	16	0.0006	.*	0.0007	8.2	5.6	8	66					16	0.0006
sult ⁴	s	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analytical Result ⁴ B NS NS NS NS NS NS NS NS NS NS				ND	4.7	ND	7.6	ND	ND	ND	ND	ND	ND	43	ND	ND	3.9	ND	8.6	ND	ND	ND	ND	ND	ND
Analy	В	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	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 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

- NS =Not Sampled due to water depth. See 8/6/13 modification to Condition 60 of New York State Department of Environmental Conservation Permit Facility ID 3-9903-00043/00012-14.
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	D	ate			10									8/1	0/13										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activi	ty		DRR -	Dredgi	ng		Comr	nents															
	Т	ide			8										bb		7								
		Location								III.				Dredge	No. 551				8						
Sam Loca	•					Upcu	rrent (Aı	mbient	1)										Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 ft	t ¹			3							500 ft ²						
Samp	le ID					081	013-D55	1-E-U									4	80	1013-D55	1-E-D					ie-
		pa							P	СВ		a a	ne	per							PC			e)	au e
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)				N.	
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 (Stand		*	0.0007	8.2	5.6	8	66	-			-	16	0.0006	*	0.0007	8.2	5.6	8	66	×>				16	0.0006
ssult ⁴	s	22	ND	ND	4.1	ND	9.3	ND	ND	ND	ND	ND	ND	32	ND	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analy	В	23	ND	ND	3.8	ND	7.9	ND	ND	ND	ND	ND	ND	41	ND	ND	3.8	ND	ND	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 Permit Facility ID 3-9903-00043/00012-14

⁻⁻ No detection limit or water quality standard

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

	D	ate												8/1	0/13										
	Surve	ey Type												V - Vess	sel Based	Ÿ									
С	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Com	nents											V2				
	Т	ide													ood										
		Location												Dredge	No. 506										
San Loca	nple ation				,	Upcu	rrent (A	mbient	t)								*		Downcur	rent					
Distar Sou		E				Appro	x. 500 -	1000 f	t ¹				ii.						500 ft ²	2					
Samp	ole ID					081	013-D50	6-F-U				41						08	1013-D50)6-F-D					
		pa							PC	СВ		41	a e	pal							PC	СВ		e	ine
Darameter	Talallete	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	-	1	1	-	0.2	0.2	0.2	0.2	-	0.1
	Quality lard ^{3, 5}	*	0.0007	8.2	5.6	8	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8	66	-	-		-	16	0.0006
ssult ⁴	s	17	ND	ND	4.9	ND	13	ND	ND	ND	ND	ND	ND	80	ND	ND	3.8	ND	13	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analy	В	22	ND	ND	5.4	ND	18	ND	ND	ND	ND	ND	ND	74	ND	ND	3.8	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

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

³ Based on New York State Department of Environmental Conservation 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

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	D	ate												8/1	0/13									18	
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ty		DRR -	Dredgi	ng		Comr	nents															
0.	Т	ide													bb										
		Location	39											Dredge	No. 506										
Sam Loca	nple ition					Upcu	rrent (Aı	mbient	t)										Downcur	rent					
Distar Sou					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2						
Samp	ole ID	Approx. 500 - 1000 ft ¹ 081013-D506-E-U																80	1013-D50	6-E-D					
		pa							PC	СВ		Δ.	e e	led							PO	СВ		е	aue sue
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)						(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05	1	-	-	ł	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	66	-			·	16	0.0006	*	0.0007	8.2	5.6	8	66				-	16	0.0006
sult ⁴	S 34 ND ND 3.3 ND 12 ND ND									ND	ND	ND	ND	46	ND	ND	4.3	ND	ND	ND	ND	ND	ND	ND	ND
tical Re	S 34 ND ND 3.3 ND 12 ND ND ND ND ND ND ND N											NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Analy	В	40	ND	ND	4.3	ND	19	ND	ND	ND	ND	ND	ND	54	ND	ND	4.0	ND	ND	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 Permit Facility ID 3-9903-00043/00012-14
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	D	ate		11										8/1	1/13										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		DRR -	Dredgi	ng		Comr	nents															
	Т	ide													ood										
		Location												Decant C	perations	5									
	nple ation				Upcu	rrent (Aı	mbient	t)									l	Downcur	rent						
	nce to urce					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samı	ple ID					081	113-D21	1-F-U										08	1113-D21	1-F-D					
		pa							P	СВ	8	4	ne	led							PO	СВ		е	ine
	Farameter	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)			100		(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	1	1	1	-	0.2	0.2	0.2	0.2		0.1
	Quality lard ^{3, 5}	*	0.0007	8.2	5.6	8	66	-				16	0.0006	*.	0.0007	8.2	5.6	8	66					16	0.0006
sult ⁴	s	26	ND	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	3.7	ND	11	ND	ND	NL)	ND	ND	ND .
Analytical Result ⁴	м	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analy	В	22	ND	ND	3.3	ND	ND	ND	ND	ND	ND	ND	ND	32	ND	ND	3.4	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

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

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

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

	D	ate												8/1	1/13										
	Surve	у Туре					y.							V - Vess	el Based										
C	onstruct	ion Activi	ty	I	DRR -	Dredgi	ng		Comr	nents															
	т	ide													bb										
		Location	6											Decant C	perations	3									
	Source Location Sample Location Upcurrent (Ambient)																	Downcur	rent						
	nce to urce		Approx. 500 - 1000 ft ¹																500 ft ²						
Sam	ole ID					081	113-D21	1-E-U										08	1113-D21	1-E-D			72		
		pa							PC	СВ		0	ne	led								СВ		e	au e
	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
U	nit	(ppm)	71				(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		0.1
	Quality dard ^{3, 5}	*	0.0007	8.2	5.6	8	66	-			-	16	0.0006	*	0.0007	8.2	5.6	8	66		·		-	16	0.0006
sult ⁴	s	30	11	ND	ND	ND	NO	ND	ND	32	ND	ND	3.8	ND	12	ND	ND	, ND	ND	ND	ND				
Analytical Result ⁴	М	NS	. NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analy	В	30	ND	ND	3.6	ND	12	ND	ND	ND	ND	ND	ND	31	ND	ND	3.9	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
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- ³ Based on New York State Department of Environmental Conservation Permit Facility ID 3-9903-00043/00012-14
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⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	D	ate												8/1	1/13										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activi	ty		ORR -	Dredgi	ng		Comr	nents															
	Т	ide													ood										
		Location												Dredge	No. 551										
Sam Loca						Upcu	rrent (Aı	nbient	t)										Downcur	rent					
Distar Sou	0.0000000000000000000000000000000000000					Appro	x. 500 -	1000 ft	t ¹										500 ft ²						
Samp	le ID					081	113-D55	1-F-U										08	1113-D55	1-F-D	2				
		pa							PC	СВ		0)	ne	led							PC	СВ		e	ine
Darameter	75	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)				-11	(ppb)						(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	1.	¥	1	-	0.2	0.2	0.2	0.2		0.1
Water (Stand		٠	0.0007	8.2	5.6	8	66	-			-	16	0.0006	*	0.0007	8.2	5.6	8	66				-	16	0.0006
ssult ⁴	S NS NS NS NS NS NS								NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analytical Result ⁴	М	22	ND	ND	3.5	ND	ND	ND	ND	ND	ND	ND	ND	31	ND	ND	3.3	ND	13	ND	ND	ND	ND	ND	ND
Analy	В	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	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 Permit Facility ID 3-9903-00043/00012-14
- -- No detection limit or water quality standard
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- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	D	ate												8/1	1/13										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ty		DRR -	Dredgi	ng		Comr	nents															
	Т	ide													bb										
	years was even	Location												Dredge	No. 551										
Sample Upcurrent (Ambient)																			Downcur	rent					
100000000000000000000000000000000000000	Location Distance to Source Approx. 500 - 1000 ft ¹																500 ft ²	2							
Samp	ole ID		081113-D551-E-U															08	1113-D55	51-E-D					
		pa							PC	СВ		0)	ne	led							P	СВ	_	ø	ne ne
G	Tal all all all all all all all all all	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)	15784000					(ppb)					
Detectio	on Limit ³	Ambient +	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	66				-	16	0.0006	*	0.0007	8.2	5.6	8	66				-	16	0.0006
sult ⁴	s	S NS										NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
rtical Re	S											49	ND	ND	3.6	ND	12	ND	ND	ND	ND	ND	ND		
Analy	В	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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	D	ate												8/1	1/13										
	Surve	у Туре		- X										V - Vess	el Based										
С	onstructi	on Activi	ty	ı	ORR -	Dredgi	ng		Comr	nents															
	Т	ide													ood										
		Location												Dredge	No. 506										
San Loca	nple ation					Upcu	rrent (Aı	mbient	t)										Downcur	rent					
0.000	nce to Irce					Appro	x. 500 -	1000 ff	t ¹				£0						500 ft ²					0.	
Samı	ole ID					081	113-D50	6-F-U						_				08	1113-D50	6-F-D					
		pa							PC	В		a)	ne	ded			5				PC	В		e	ene
	La allace	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	1		ı	I	0.2	0.2	0.2	0.2		0.1
Water Stand	Quality lard ^{3, 5}	•	0.0007	8.2	5.6	8	66	-			-	16	0.0006	*	0.0007	8.2	5.6	8	66					16	0.0006
sult ⁴	S 22 ND ND 3.6 ND ND								ND	ND	ND	ND	ND	51	ND	ND	3.3	ND	ND	ND	ND	ND	ND	ND	ND
tical Re	S 22 ND ND 3.6 ND ND ND ND ND ND ND N									NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analy	В	28	ND	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	93	ND .	ND	3.5	ND	ND	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
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	D	ate												8/1	1/13										
	Surve	у Туре											1	V - Vess	el Based	5 9									
С	onstruct	ion Activi	ty	ı	ORR -	Dredgi	ng		Comr	nents															
	Т	ide											8		bb										
		Location								7/				Dredge	No. 506										
Sample Upcurrent (Ambient) Location																		ا	Downcur	rent					
E-0.10-0.000	Distance to Source Approx. 500 - 1000 ft ¹																500 ft ²	!							
Samı	ole ID	Approx. 500 - 1000 ft' 081113-D506-E-U												N				80	1113-D50	6-E-D					
	ACCIONAL SECTION ACCIONAL ACCI												pal							PC	СВ		9	au e	
	raiamete	Total Suspende 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)						(ppm)						(ppb)					
Detection	on Limit ³	Ambient + 100	0.05	-	-	 W		0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		-	-	-	0.2	0.2	0.2	0.2	-	0.1
	Quality lard ^{3, 5}	*	0.0007	8.2	5.6	8	66	-				16	0.0006	*	0.0007	8.2	5.6	8	66			: a 1	-	16	0.0006
S 28 ND ND 3.5 ND 11 ND ND ND ND ND ND ND									ND	35	ND	ND	3.9	ND	14	ND	ND	ND	ND	ND	ND				
tical Re	S 28 ND ND 3.5 ND 11 ND ND ND ND ND ND											NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
Analy	В	26	ND	ND	3.5	ND	10	ND	ND	ND	ND	ND	ND	39	ND	ND	3.5	ND	14	ND	ND	ND	ND	ND	ND

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	D	ate			-									8/1	2/13										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activi	ty		DRR -	Dredgi	ng		Comr	nents													÷		
	Т	ide													ood										
		Location												Decant C	perations	5									
	nple ation			()		Upcu	rrent (Aı	mbient	t)										Downcur	rent					
	Location Distance to Source Ap								t ¹										500 ft ²	2					
Samp	ole ID					081	213-D21	1-F-U							¥?			08	1213-D21	1-F-D	1				
		ed							PC	СВ		a	ne	ded							PO			ō	au e
200		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			-	1	0.2	0.2	0.2	0.2		0.1
	Quality lard ^{3, 5}	*	0.0007	8.2	5.6	8	66	-		9 1 22 7		16	0.0006	*	0.0007	8.2	5.6	8	66					16	0.0006
sult ⁴	S	S 16 ND ND 4.2 ND 23								ND	ND	ND	ND	12	ND	ND	4.4	ND	14	ND	ND	ND	ND	ND	ND
tical Re	S 16 ND ND 4.2 ND 2								NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analy	В	21	ND	ND	3.7	ND	18	ND	ND	ND	ND	ND	ND	21	ND	ND	4	ND	14	ND	ND	ND:	ND	ND	ND

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	D	ate												8/1	2/13										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ty		DRR -	Dredgi	ng		Comr	nents															
	Т	ide			1-										bb							=			
		Location												Decant C	Operations	S									
	nple Ition					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
	Location Upcurrent (Ambient) Distance to Source Approx. 500 - 1000 ft ¹																		500 ft ²	2					
Samı	ole ID					081	213-D21	1-E-U										08	1213-D21	1-E-D					
		pa							P	СВ			e e	pa							PC	СВ		ø.	ne
200	ala ala	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)		E E			(ppb)						(ppm)						(ppb)					
Detection	on Limit ³	Ambient + 100	0.05	Į	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		0.1
	Quality lard ^{3, 5}	*	0.0007	8.2	5.6	8	66	-	-		-	16	0.0006	*	0.0007	8.2	5.6	8	66	-			-	16	0.0006
sult⁴	s	S 29 ND ND 3.9 ND 12								ND	CN	ND	ND	37	ND	ND	4.1	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analy	В	48	ND	ND	4.1	ND	12	ND	ND	ND	ND	ND	ND	73	ND	ND	3.9	ND	12	ND	ND	ND	ND	ND	ND

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	D	ate													2/13										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ty		DRR -	Dredgi	ng		Comr	ments															
	T	ide													ood										
	ile, e jese je je je	Location												Dredge	No. 551										
	Source Location Sample Location Upcurrent (Ambient)													ń		I	Downcur	rent							
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					081	213-D55	1-F-U										08	1213-D55	1-F-D					
		pa							PC	СВ		a)	ne	per							P	СВ	_	ø	au e
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	Peaq	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(ppb)						(ppm)						ppb)			19		
Detectio	n Limit³	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 (Stand		*	0.0007	8.2	5.6	8	66	-			-	16	0.0006	•	0.0007	8.2	5.6	8	66					16	0.0006
ssult ⁴	s	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analytical Result ⁴	М	19	19 ND ND 3.3 ND												ND	ND	3.8	ND	19	ND	ND	ND	ND	ND	ND
Analy	В	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS ·	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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	D	ate -												8/1	2/13						(F)				
	Surve	у Туре	0. (0.10.10.1)											V - Vess	sel Based	l									
С	onstructi	ion Activi	ty		DRR -	Dredgi	ng		Comr	nents															
	- 150	ide									-				bb										
		Location												Dredge	No. 551			- 10	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
	nple ation					Upcu	rrent (A	mbien	t)									١	Downcur	rent					
Distai Sou	nce to Irce					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					081	213-D55	1-E-U		30			0					08	1213-D55	1-E-D					
Sample ID										a)	ne	led							PO	СВ	_	е	au au		
200	raiameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Uı	nit	(ppm)					(ppb)	×					(ppm)						(ppb)					
Detection	on Limit 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	-	0.1
Water Stand	Quality lard ^{3, 5}	*	0.0007	8.2	5.6	8	66	-			1	16	0.0006	**	0.0007	8.2	5.6	8	66					16	0.0006
S NS NS NS NS NS NS NS								NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analytical Result ⁴	М	27	ND	ND	3.8	ND	11	ND	ND	ND	ND	ND	ND	79	ND	ND	3.3	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	. NS	NS	NS	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 Permit Facility ID 3-9903-00043/00012-14

⁻⁻ No detection limit or water quality standard

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	D	ate												8/1	2/13										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ty		ORR -	Dredgi	ng		Comr	nents	S														
5)	Т	ide													bb										
		Location												Dredge	No. 506										
Sam Loca						Upcu	rrent (Aı	nbient	t)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 fi	t ¹								***		500 ft ²						
Samp	ole ID		24			081	213-D50	6-E-U						II.				08	1213-D50	6-E-D					
		pa							P	СВ	_	a)	ne	led				54			PC	СВ	_	ē	a e
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)					_
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		0.1
Water (*	0.0007	8.2	5.6	8	66	-			-	16	0.0006	*	0.0007	8.2	5.6	8	66				-	16	0.0006
sult ⁴	S 35 ND ND 3.9 ND 13								ND	ND	ND	ND	ND	79	ND	ND	3.7	ND	21	ND	ND	ND	ND	ND	ND
tical Re	S 35 ND ND 3.9 ND 13 ND									NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	,NS	NS
Analy	В	34	ND	ND	3.9	ND	16	ND	ND	ND	ND	ND	ND	77	ND	ND	5.4	3	22	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 Permit Facility ID 3-9903-00043/00012-14

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