	Surv	ey Date												08/01	1/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	ı	DRR -	Dredgi	ng		Comr	nents															
	Т	ide												E	bb										
		Location												D!	506										
Sam Locat						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Soui						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					080	115-D50	6-E-U										80	0115-D50	06-E-D					
Sample	Time						19:28												19:17						
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				1	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05	ı	1			0.2	0.2	0.2	0.2	ı	0.1
Water C Stand		*	0.0007	8.2	5.6	8.0	66	1	-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66		1	-	1	16	0.0006
esult ⁴	s						NS												NS						
Analytical Result ⁴	М	18.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24.3	ND	ND	ND	ND	ND	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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

	Surve	ey Date												08/02	2/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	on Activ	ity		DRR -	Dredgi	ng		Com	nents															
		de													ood										
		Location												D:	506										
Sam Locat	ion					Upcu	rrent (A	mbien	t)										Downcur	rent					_
Distan Sour						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					080	215-D50	6-F-U										80	0215-D50	6-F-D					
Sample	Time						9:42												10:00						
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
									Aro	Aro	Aro	ž	Ber								Aro	Aro	Aro	ž	Ber
Un	it	(ppm)		1	ı	1	(ppb)	ı	1	1	1	1	(ppm)				1	. ((ppb)	1				ı
Detection	ı 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 Q Stand		*	0.0007	8.2	5.6	8.0	66	-	-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	1	1	1	16	0.0006
ssulf⁴	s	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	11	ND	ND	ND	ND	ND	ND	ND	0.5	ND	ND	ND	25	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 (NYSDEC) 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.

⁻⁻ 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

	Surve	ey Date												08/03	3/2015										
	Surve	у Туре												V - Vess	sel Based										
Co		ion Activ	ity	ı	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	t¹										500 ft ²	2					
Samp	le ID					080	315-D50	6-E-U										08	0315-D50	6-E-D					
Sample	e Time						16:38												17:01						
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 Lim		Ambient + 100	0.05	-		-	ı	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05		-			0.2	0.2	0.2	0.2	-	0.1
Water (*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	1	1	16	0.0006
esult4	s	17.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	34.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	105	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 (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

	Surve	ey Date												08/03	3/2015										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activ	ity	ı	DRR -	Dredgi	ng		Com	nents															
	T	ide												Fl	ood										
		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					080	315-D50	6-F-U										08	0315-D50	6-F-D					
Sample	e Time						12:00												11:37						
		pel							P	СВ			ne	pel							PC	СВ			ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
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
ssult ⁴	s	52.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М						NS												NS						
Analy	В	99.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	49.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												08/04	1/2015										
	Surve	у Туре												V - Vess	sel Based										
Co		ion Activ	ity	ı	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	t¹										500 ft ²	2					
Samp	le ID					080	415-D50	6-E-U										08	0415-D50	6-E-D					
Sample	e Time						09:34												09:15						
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)					
Detec Lim		Ambient + 100	0.05	-		-	ı	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05		-			0.2	0.2	0.2	0.2	-	0.1
Water (*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	1	1	16	0.0006
esult4	s	20.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	73.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	19.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	111	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 (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

	Surv	ey Date												08/05	5/2015										
	Surve	еу Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		DEC - I	Decant	ing		Com	ments															
	Т	ide												E	bb										
	Source	Location												Decan	t Barge										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										500 ft ²	2					
Samp	le ID					080	515-D53	84-E-U										80	0515-D53	84-E-D					
Sample	Time						06:56	i											06:37						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)		•		•		(ppb)	•	•				(ppm)					((ppb)					
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 C Stand		*	0.0007	8.2	5.6	8.0	66	-				16	0.0006	*	0.0007	8.2	5.6	8.0	66	-			-	16	0.0006
ssulf ⁴	s	29.5	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
		28.7	ND	ND	ND			ND												ND	ND	ND	ND	ND	ND

- -- 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

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

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

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

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

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

	Surv	ey Date												08/05	5/2015										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activ	ity	[DEC - I	Decant	ing		Comr	nents															
	Т	ide												Fle	ood										
		Location												Decant E	3arge 534										
Sam Loca	•					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					080	515-D53	4-F-U										08	0515-D53	84-F-D					
Sample	e Time						13:25												13:57						
ī	2	Suspended Solids	>	_	-			42	& b(I	09	ene	yrene	ended	5	_	-			42	84 DC		09	ene	yrene
Parameter	2	Total Suspo	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	-	1	1	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			-		16	0.0006
esult4	s	12.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Anal	В	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	96	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 (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

	Surv	ey Date												80	3/05/201	5									
	Surve	еу Туре												V - \	/essel Ba	sed									
C	onstruct	ion Activ	ity		DRR -	Dredgi	ng		Com	nents															
	Т	ide													Flood										
		Location												D	redge 50	6									
Sam Loca		Upcurrent (Ambient)															Dov	vncurren	t						
Distar Sou		Approx. 500 - 1000 ft ¹																:	500 ft ²						
Samp	ole ID	080515-D506-F-U																08051	5-D506-F	-D					
Sample	e Time						14:40												14:20						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					((ppb)						(ppm)					(ppl	b)					
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	ı	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	7.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	58.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	NS																NS							
Anal	В	54	ND	ND	16	ND	14	ND	ND	ND	ND	ND	ND	77.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

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

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

⁻⁻ 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

	Surve	ey Date												08/06	6/2015										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ty		DRR -	Dredgi	ng		Com	ments															
		ide													bb										
		Location												Dred	ge 506										
San Loca	nple ation					Upcu	rrent (Aı	mbien	t)									I	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					080	615-D50	6-E-U										08	0615-D50)6-E-D					
Sample	e Time						08:49												08:29						
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)			L		(ppb)						(ppm)						(ppb)				<u> </u>	1
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	ı	-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-				16	0.0006
∍sult⁴	s	NS NS																	NS						
Analytical Result ⁴	М	61.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	66.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

ND = Not Detected

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

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

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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surv	ey Date												08/07	7/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	ı	DRR -	Dredgi	ng		Comr	nents															
	Т	ide												E	bb										
	Source	Location												Dred	ge 506										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					080	715-D50	6-E-U										08	0715-D50	06-E-D					
Sample	Time						09:23												09:04						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254 W	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254 W	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)						(ppb)						(ppm)						(ppb)					
Detec Lim		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 Stand	-	*	0.0007	8.2	5.6	8.0	66		I	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66				-	16	0.0006
esulf ⁴	s		NS NS																NS						
Analytical Result⁴	М	21.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	68.7	ND	ND	ND	ND	ND	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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

	Surve	ey Date												08/07	7/2015										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity	[DEC - I	Decant	ing		Com	nents															
		ide												Fl	ood										
		Location												Deca	nt 534										
Sam Loca				Upcu	rrent (A	mbien	t)									l	Downcur	rent							
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					080	715-D53	4-F-U										08	0715-D53	84-F-D					
Sample	Time						17:27												16:50						
		pəl							P	СВ		a	ne	pəl							P	СВ		o o	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
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		*	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	18.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М	19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	49.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	171	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

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

⁵ Reported value exceeds the Water Quality Standard as stated in Condition 61 of NYSDEC Permit Facility ID 3-9903-00043/00012-14

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surv	ey Date												08/08	3/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	ı	DRR -	Dredgi	ng		Comr	nents															
	Т	ide												Е	bb										
	Source	Location												Dred	ge 506										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					080	815-D50	6-E-U										80	0815-D50	6-E-D					
Sample	Time						08:48												08:35						
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				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 C Stand	-	*	0.0007	8.2	5.6	8.0	66	ı	ı	1	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	1	1	-	16	0.0006
esult ⁴	s	NS												_					NS						
Analytical Result⁴	М	14.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	39.7	ND	ND	ND	ND	ND	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
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

	Surv	ey Date												08/08	3/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	[DEC - I	Decant	ing		Com	nents															
	Т	ide												E	bb										
	Source	Location												Deca	nt 534										
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					080	815-D53	4-E-U										08	0815-D53	84-E-D					
Sample	Time						09:34												09:17						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254 W	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254 W	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)		•	•		(ppb)			•			(ppm)						(ppb)					
Detec Lim		Ambient + 100	0.05			-	1	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05	1	1			0.2	0.2	0.2	0.2	1	0.1
Water C Stand		*	0.0007	8.2	5.6	8.0	66		-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	1	-	-	16	0.0006
esult4	s	18.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25	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 (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

	Surv	ey Date												08/09	9/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		DRR -	Dredgi	ng		Comr	nents															
	Т	ide												E	bb										
	Source	Location												D!	506										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					080	915-D50	6-E-U										08	0915-D50	6-E-D					
Sample	Time						09:09						_	_	_				08:51						
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				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 C		*	0.0007	8.2	5.6	8.0	66		-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	1	16	0.0006
esult ⁴	s		NS																NS						
Analytical Result ⁴	М	14.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.3	ND	ND	ND	ND	ND	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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

	Surve	ey Date												08/09	9/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	[DEC - I	Decant	ing		Comr	ments															
	-	ide													bb										
		Location												Deca	nt 534										
Sam Locat	tion					Upcu	rrent (A	mbien	t)									ļ	Downcur	rent					
Distan Soui						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					080	915-D53	4-E-U										08	0915-D53	84-E-D					
Sample	Time						12:13												12:36						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)						(ppm)						(ppb)					
Detec Lim		Ambient + 100	0.05			1	1	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05	-	1	1		0.2	0.2	0.2	0.2	1	0.1
Water C Stand	-	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult ⁴	s	40.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	51.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55	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 (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

	Surve	ey Date												08/10)/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activ	ity	ı	ORR -	Dredgi	ng		Com	nents															
	T	ide												FI	ood										
		Location												Dred	ge 506										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									l	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					081	015-D50	6-F-U										08	1015-D50	6-F-D					
Sample	Time						08:54												08:37						
		pə							P	СВ			эс	pe							P	СВ	•		Je
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		*	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	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	_					NS												NS						
Analy	В	15.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												08/10	0/2015										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity	[DEC - I	Decant	ing		Com	nents															
		ide												Fl	ood										
		Location												Deca	nt 534										
Sam Loca	tion				Upcu	rrent (A	mbien	t)									l	Downcur	rent						
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID	Approx. 500 - 1000 ft ¹ 081015-D534-F-U																08	1015-D53	84-F-D					
Sample	Time						08:14												07:49						
		pəl							P	СВ		a	ne	pel							P	СВ		o o	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
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		-			16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
ssult ⁴	s	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М	42.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	52.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	246	0.1	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 (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

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

⁵ Reported value exceeds the Water Quality Standard as stated in Condition 61 of NYSDEC Permit Facility ID 3-9903-00043/00012-14

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

	Surve	ey Date												08/1	1/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activ	ity	ı	DRR -	Dredgi	ng		Comi	ments															
	T	ide												FI	ood										
		Location												Dred	ge 506										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcuri	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					081	115-D50	6-F-U										80	1115-D50	6-F-D					
Sample	Time			-		-	10:20		-								-		10:01						
efer		Suspended Solids	ury	rel	oer.	р	v	242		254 B	260	alene	pyrene	pepuded	uny	iel	oer	р	ပ	242	248		260	alene	pyrene
Parameter		Total Sus Soli	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	-			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 0		*	0.0007	8.2	5.6	8.0	66		-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	1	1	1	16	0.0006
esult ⁴	s	18.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М		_				NS								_				NS						
Analy	В	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												08/11	1/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activ	ity	[DEC - I	Decant	ing		Comi	ments															
	T	ide												Fl	ood										
		Location												Deca	int 534										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcuri	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					081	115-D53	4-F-U										80	1115-D53	4-F-D					
Sample	Time			-		-	08:02		-								-		07:39						
Parameter		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
Para		Total Su Sol	Mer	Nio	Сор	Le	Ż	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Napht	Benzo(a	Total Su Sol	Mer	Nio	Сор	Le	ΪZ	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Napht	Benzo(a
Un	it	(ppm)					(ppb)						(ppm)					(ppb)					
Detectio	n Limit³	Ambient + 100	0.05	ı			1	0.2	0.2	0.2	0.2	I	0.1	Ambient + 100	0.05		-		ı	0.2	0.2	0.2	0.2	I	0.1
Water 0		*	0.0007	8.2	5.6	8.0	66		-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-			-	16	0.0006
esult ⁴	s	10.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М		_				NS								_				NS						_
Analy	В	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												08/12	2/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activ	ity	ı	DRR -	Dredgi	ng		Com	ments															
	T	ide												Fl	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	2					
Samp	le ID					081	215-D50	6-F-U										08	1215-D50	6-F-D					
Sample	Time						08:13												08:00						
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
Pa		Total	2					Aroc	Aroc	Aroc	Aroc	Nap	Benz	Total	2	_				Aroc	Aroc	Aroc	Aroc	Nap	Benz
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		*	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 Resulf⁴	М	14.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В		•				NS						•						NS					Į.	,

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

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

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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NR = Not Required for these parameters, due to approval of reduced monitoring of cofferdam removal as of 6/2/2015, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

	Surve	ey Date												08/12	2/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activ	ity	[DEC - I	Decant	ing		Comi	ments															
	Ti	ide												Fl	ood										
		Location												Deca	int 534										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcuri	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					081	215-D53	4-F-U										80	1215-D53	4-F-D					
Sample	Time			-		-	07:38		-		-						-		07:21						
eter		Suspended Solids	Ţ.	-	er	-		242		254 CB	790	lene	yrene	s	Į.	<u>-</u>	er	-		242	248 DG		790	lene	yrene
Parameter		Total Susp Solid	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)					ı
Detectio	n Limit³	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		*	0.0007	8.2	5.6	8.0	66		-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	1	-	1	16	0.0006
esult ⁴	s	13.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М		_				NS						_		_				NS						_
Analy	В	80.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surv	ey Date												08/13	3/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	[DEC - I	Decant	ing		Com	nents															
	Т	ide													bb										
		Location												Deca	nt 534										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					081	315-D53	4-E-U										80	1315-D53	84-E-D					
Sample	Time						15:55												16:13						
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)					
Detec Lim		Ambient + 100	0.05				1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water C		*	0.0007	8.2	5.6	8.0	66	-		-		16	0.0006	*	0.0007	8.2	5.6	8.0	66		-	-	-	16	0.0006
ssult4	s	38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	85.7	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	68.3	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 (NYSDEC) 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.
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

	Surve	ey Date												08/13	3/2015										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity	ı	DRR -	Dredgi	ng		Comr	nents															
	T	ide												Fl	ood										
		Location												Dred	ge 506										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou		Approx. 500 - 1000 ft ¹																	500 ft ²	!					
Samp	le ID	081315-D506-F-U																08	1315-D50	6-F-D					
Sample	Time						11:42												11:54						
Parameter		Solids	Mercury	Nickel	Copper	Lead	Zinc	1242	1248		1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	1242	1248		1260	Naphthalene	Benzo(a)pyrene
Para		Total Su So	Me	Ż	ပိ	ר	Z	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naph	Benzo(Total Su So	Ме	ï	၀၁	ר	Z	Aroclor 1242	Aroclor 1248	Arocior 1254	Aroclor 1260	Naph	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		-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
esult4	s						NS												NS						
Analytical Result ⁴	М	14.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						•

ND = Not Detected

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

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

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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												08/14	1/2015										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity	[DEC - I	Decant	ing		Com	nents															
		ide												FI	ood										
		Location												Deca	nt 534										
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					081	415-D53	4-F-U										08	1415-D53	84-F-D					
Sample	Time						10:08												09:17						
		pəl							P	СВ			ne	pel							P	СВ			ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
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					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
sult4	s	15.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	75.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	51.3	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

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

⁵ Reported value exceeds the Water Quality Standard as stated in Condition 61 of NYSDEC Permit Facility ID 3-9903-00043/00012-14

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												08/15	5/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activ	ity	[DEC - I	Decant	ing		Comi	ments															
	T	ide												Fl	ood										
		Location												Deca	int 534										
Sample Location Distance to						Upcu	rrent (A	mbien	t)									ı	Downcuri	rent					
Distan Sou					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2						
Samp	le ID				081	515-D53	4-F-U										80	1515-D53	4-F-D						
Sample	Time			-		-	08:50		-		-						-		08:30						
Parameter		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
Parar		Total Sus Sol	Mer	Nic	Cop	Le	ΙΖ	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphtl	Benzo(a	Total Sus Sol	Mer	Nic	Cop	Le	ΙΖ	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphtl	Benzo(a
Un	it	(ppm)					(ppb)						(ppm)					(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05	- 1	-		1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		1		ı	0.2	0.2	0.2	0.2	1	0.1
Water 0		*	0.0007	8.2	5.6	8.0	66		-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-			1	16	0.0006
esult ⁴	s	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М		_				NS								_				NS						
Analy	В	29.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												08/16	6/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activ	ity		DEC - I	Decant	ing		Comi	ments															
	Ti	ide												Fl	ood										
		Location												Deca	nt 534										
Sample Location Distance to						Upcu	rrent (A	mbien	t)									ı	Downcuri	rent					
Distan Sou					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2						
Samp	le ID					081	615-D53	4-F-U										80	1615-D53	4-F-D					
Sample	Time					-	08:49		-		-						-		08:32						
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	7	Z	Aroclo	Aroclo	Aroclo	Aroclo	Naph	Benzo	Total S S	Ме	Z	່ວ	_	Z	Aroclo	Aroclo	Aroclo	Aroclo	Naph	Benzo
Un	it	(ppm)					(ppb)						(ppm)					(ppb)					
Detectio	n Limit³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		-		ı	0.2	0.2	0.2	0.2	ı	0.1
Water 0		*	0.0007	8.2	5.6	8.0	66		-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-			1	16	0.0006
esult ⁴	s	26.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М		_				NS						_		_				NS						_
Analy	В	50.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	44.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												08/17	7/2015										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity	ı	DRR -	Dredgi	ng		Com	nents															
	T	ide												Fl	ood										
		Location												Dred	ge 506										
Sam Loca						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft	2					
Samp	le ID					081	715-D50	6-F-U										08	1715-D50	06-F-D					
Sample	Time			-			10:13		-								-		10:24				-		
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)	∢	⋖	∢		В	(ppm)						(ppb)	⋖	⋖	∢		Δ.
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					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult⁴	s						NS												NS						
Analytical Result⁴	М	13.3						NR						17.5						NR					
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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

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.

NR = Not Required for these parameters, due to approval of reduced monitoring of stage 2 dredging as of 8/13/2015, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

	Surve	ey Date												08/17	7/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activ	ity		DEC - I	Decant	ing		Comi	ments															
	T	ide												FI	ood										
		Location												D:	534										
Sample Location Distance to						Upcu	rrent (A	mbien	t)									ı	Downcuri	rent					
Distan Sou					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2						
Samp	le ID					081	715-D53	4-F-U										80	1715-D53	4-F-D					
Sample	Time					-	09:30		-		-						-		09:50						
neter		Suspended Solids	Mercury	Nickel	Copper	ad	5	1242		1254 B	1260	Naphthalene	Benzo(a)pyrene	spended	Mercury	Nickel	Copper	ad	20	1242	1248 Jd		1260	Naphthalene	Benzo(a)pyrene
Parameter		Total Sus Sol	Merc	Nic	Cop	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Napht	Benzo(a	Total Suspended Solids	Merc	Nic	Cop	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Napht	Benzo(a
Un	it	(ppm)					(ppb)	•					(ppm)					(ppb)			u .		
Detectio	n Limit ³	Ambient + 100	0.05		-		1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		1		ı	0.2	0.2	0.2	0.2	1	0.1
Water 0		*	0.0007	8.2	5.6	8.0	66		-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	1	1	1	16	0.0006
ssulf ⁴	s	11.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М		_				NS								_				NS						
Analy	В	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surv	ey Date												08/19	9/2015										
	Surve	y Type												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	[DEC - I	Decant	ing		Com	ments															
	Т	ide													bb										
		Location												Deca	nt 534										
Sam Loca						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										500 ft ²	2					
Samp	le ID					081	915-D53	4-E-U										80	1915-D53	84-E-D					
Sample	Time						07:52												07:31						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)		•	•		(ppb)		•	•			(ppm)						(ppb)				•	
Detec Lim		Ambient + 100	0.05			-	-	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05	-	1	-		0.2	0.2	0.2	0.2	1	0.1
Water C Stand		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66				-	16	0.0006
ssulf ⁴	s	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М						NS												NS						
Anal	В	48.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	48.7	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 (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

	Surv	ey Date												08/20)/2015										
	Surve	у Туре												V - Vess	el Based										
С		ion Activ	ity	[DEC - I	Decant	ing		Com	ments															
		ide													bb										
		Location												Deca	nt 534										
San Loca						Upcu	rrent (A	mbien	t)									[Downcuri	ent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	:					
Samp	ole ID	082015-D534-E-U																082	2015-D53	4-E-D					
Sampl	e Time		09:41																09:21						
o cred		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Uı	nit	(ppm)					(ppb)						(ppm)					(ppb)					
Detection	n Limit ³	Ambient + 100	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 (*	0.0007	8.2	5.6	8.0	66	ı	ı			16	0.0006	*	0.0007	8.2	5.6	8.0	66	1	1	ı	ı	16	0.0006
esult ⁴	s	14.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS NS																NS						
Anal	В	19.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	85.3	0.1	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 (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

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

⁵ Reported value exceeds the Water Quality Standard as stated in Condition 61 of NYSDEC Permit Facility ID 3-9903-00043/00012-14

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

	Surv	ey Date												08/21	1/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		DRR -	Dredgi	ng		Comr	nents															
	Т	ide												E	bb										
	Source	Location												Dred	ge 506										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					082	115-D50)6-E-U										08	2115-D50	06-E-D					
Sample	Time		_				08:34							_					08:22						
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 C Stand		*	0.0007	8.2	5.6	8.0	66		-	1	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-	-	-	16	0.0006
ssult4	s						NS												NS						
Analytical Result⁴	М	48						NR						53.7						NR					
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
- $^{\rm 2}$ Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- 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.
- NR = Not Required for these parameters, due to approval of reduced monitoring of Stage 2 Dredging as of 8/13/2015, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

	Surv	ey Date												08/21	1/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	[DEC - I	Decant	ing		Comr	nents															
	Т	ide												E	bb										
	Source	Location												Deca	nt 534										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					082	115-D53	4-E-U										08:	2115-D53	84-E-D					
Sample	Time						08:01												07:38						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	al Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	.14								Ā	Ā	Ā	2	Be	Total							Ā	Ā	Ā		Be
Un	iit.	(ppm)		ı	I	1	(ppb)		I	I .		l	(ppm)		I			((ppb)		I			1
Detec Lim		Ambient + 100	0.05				1	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05		1	1	1	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
ssult4	s	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	49.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Anal	В	37	ND N												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 (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

	Surv	ey Date												08/22	2/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	[DEC - I	Decant	ing		Comr	nents															
	Т	ide												E	bb										
	Source	Location												Deca	nt 534										
Sam Locat						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Soui						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					082	215-D53	4-E-U										08	2215-D53	84-E-D					
Sample	Time						09:00												08:35						
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 C Stand		*	0.0007	8.2	5.6	8.0	66		-	-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-		1	16	0.0006
ssult4	s	42.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М					NS												NS							
Anal	В	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	164	0.5	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 (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
- ⁵ Reported value exceeds the Water Quality Standard as stated in Condition 61 of NYSDEC Permit Facility ID 3-9903-00043/00012-14
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

	Surv	ey Date												08/23	3/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		DEC - I	Decant	ing		Com	nents															
	Т	ide												E	bb										
	Source	Location												Deca	nt 534										
Sam Locat						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Soui						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					082	315-D53	4-E-U										08	2315-D53	34-E-D					
Sample	Time						08:52												08:37						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254 W	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254 W	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)						(ppm)					((ppb)					
Detec Lim		Ambient + 100	0.05			1	1	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05		1			0.2	0.2	0.2	0.2	1	0.1
Water C Stand	-	*	0.0007	8.2	5.6	8.0	66			-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-			-	16	0.0006
esult4	s	8.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	11.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.7	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 (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

	Surve	ey Date												08/24	1/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	[DEC - I	Decant	ing		Com	ments															
	Т	ide												E	bb										
		Location												Deca	nt 534										
Sam Loca						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										500 ft ²	2					
Samp	le ID					082	415-D53	84-E-U										08	2415-D53	84-E-D					
Sample	Time						11:03												10:46						
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				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 Stand	-	*	0.0007	8.2	5.6	8.0	66			-		16	0.0006	*	0.0007	8.2	5.6	8.0	66		-		-	16	0.0006
sult4	s	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	28.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.7	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 (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

	Surv	ey Date												08/24	1/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		DRR -	Dredgi	ng		Comr	nents															
	Т	ide												E	bb										
		Location												Dred	ge 506										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					082	415-D50	6-E-U										08	2415-D50	06-E-D					
Sample	Time		_				10:24						_		_				10:12	!					
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			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 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						NS												NS						
Analytical Result⁴	М	18.5						NR						21						NR					
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
- $^{\rm 2}$ Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- 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.
- NR = Not Required for these parameters, due to approval of reduced monitoring of dredging as of 8/13/2015, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

	Surv	ey Date												08/25	5/2015										
	Surve	еу Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		DEC - I	Decant	ing		Com	nents															
		ide													bb										
		Location												Deca	nt 534										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										500 ft ²	2					
Samp	le ID					082	515-D53	4-E-U										08	2515-D53	84-E-D					
Sample	Time						08:32												08:57						
Je		nded						Ŋ		ZB	٥	ane	rene	nded						Ŋ		ZB	۰	ane	rene
Parameter		Total Suspended Solids Solids Nickel Copper Lead Zinc Aroclor 1248 Aroclor 1260 Aroclor 1260 Aroclor 1260										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											0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water C		v l									16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-			16	0.0006	
esult4	s	7.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	10.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
۸nal	В	12.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24	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 (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

	Surv	ey Date												08/25	5/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		DRR -	Dredgi	ng		Comr	nents															
	Т	ide												Е	bb										
	Source	Location												Dred	ge 506										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					082	515-D50	6-E-U										08	2515-D50	06-E-D					
Sample	Time		_				09:29							_					09:19						
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>			(ppb)					<u> </u>	(ppm)						(ppb)	<u> </u>	<u> </u>			<u> </u>
Detec Lim		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	1	0.1
Water C Stand		*												*	0.0007	8.2	5.6	8.0	66	-	-		-	16	0.0006
sult4	s						NS												NS						
Analytical Result⁴	М	11						NR					_	48.3					_	NR					_
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
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
- NR = Not Required for these parameters, due to approval of reduced monitoring of dredging as of 8/13/2015, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

	Surve	ey Date												08/26	6/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstructi	ion Activ	ity	[DEC - I	Decant	ing		Com	ments															
	T	ide												FI	ood										
		Location												Deca	int 534										
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					082	615-D53	4-F-U										08	2615-D53	84-F-D					
Sample	Time						08:52												09:12						
		pəp								CB	_	Je	ene	pəp							PC		_	Je	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
Un	it	(ppm)					(ppb)	•					(ppm)					((ppb)					
Detection	n Limit ³	Ambient + 100	0.05			-		0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2	1	0.1
Water C Stand		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
ssulf⁴	s	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	34.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	37.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												08/27	7/2015										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity	[DEC - I	Decant	ing		Com	nents															
		ide												Fl	ood										
		Location												Deca	int 534										
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					082	715-D53	4-F-U										08	2715-D53	84-F-D					
Sample	Time						08:38												08:18						
		pəl	2 8 4 0 ei																		P	СВ		o.	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
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 (16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
sulf ⁴	s	10 ND											ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М	7.7	ND N											23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	52.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surv	ey Date												08/28	3/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		DRR -	Dredgi	ng		Comr	nents															
	Т	ide												E	bb										
	Source	Location											D	redge 506	Access A	Area									
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					082	315-D50	6-E-U										08	2815-D50	06-E-D					
Sample	Time						11:53												11:40						
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 C		* 0.0007 8.2 5.6 8.0 66 16										16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	1	16	0.0006
esult ⁴	s						NS												NS						
Analytical Result ⁴	М	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	145	0.2	ND	ND	ND	ND	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
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
- ⁵ Reported value exceeds the Water Quality Standard as stated in Condition 61 of NYSDEC Permit Facility ID 3-9903-00043/00012-14
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

	Surve	ey Date												08/28	3/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstructi	ion Activ	ity	[DEC - I	Decant	ing		Com	ments															
		ide													ood										
		Location												Deca	ınt 534										
Sam Locat	ion					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					082	815-D53	4-F-U										08	2815-D53	4-F-D					
Sample	Time						10:17												10:34						
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	i+						,	ppb)	₹	₹	₹		Ď							ppb)	₹	₹	₹		Ď
Detection		Ambient + dd add	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + dd dd	0.05		-			0.2	0.2	0.2	0.2		0.1
Water C Stand		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	-	16	0.0006
esulf⁴	s	18.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	49.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surv	ey Date												08/30)/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	I	DRR -	Dredgi	ng		Comr	nents															
	Т	ide												E	bb										
		Location											D	redge 506	Access A	Area									
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					083	015-D50	6-E-U										08	3015-D50	6-E-D					
Sample	Time						13:09												12:58						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)						(ppm)			<u>u </u>		((ppb)					
Detec Lim		Ambient + 100	0.05			1	1	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05	1	ı	1	1	0.2	0.2	0.2	0.2	1	0.1
Water C Stand	-	*	0.0007	8.2	5.6	8.0	66	ı	ı	1	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	1	1	-	16	0.0006
esulf ⁴	s						NS												NS						
Analytical Result⁴	М	21.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64.3	ND	ND	ND	ND	ND	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

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

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

	Surve	ey Date												08/30	0/2015										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity	[DEC - I	Decant	ing		Comr	nents															
		ide													ood										
		Location												Deca	int 534										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									l	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					083	015-D53	4-F-U										08	3015-D53	4-F-D					
Sample	e Time	_		-			09:06	-		-		-					-		09:24	-					_
rer	i	ended	2		<u>.</u>			42	& 50		9	ene	/rene	papue	>	_	<u> </u>			42	& 50		9	ene	/rene
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)					ı	(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 (* 0.0007 8.2 5.6 8.0 66										16	0.0006	*	0.0007	8.2	5.6	8.0	66	-		-	-	16	0.0006
esulf⁴	s	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	77.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М		NS																NS						
Anal	В	170	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130	0.1	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 (NYSDEC) 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.

⁻⁻ 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

	Surve	ey Date												08/31	/2015										
	Surve	у Туре												V - Vess	el Based										
Co	onstructi	ion Activ	ity	ı	DRR -	Dredgi	ng		Com	nents															
	T	ide												Fl	bod										
		Location											D	redge 506	Access A	Area									
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					083	115-D50	6-F-U										08	3115-D50	6-F-D					
Sample	Time						08:36												08:43						
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 Stand		*	* 0.0007 8.2 5.6 8.0 66 16											*	0.0007	8.2	5.6	8.0	66					16	0.0006
sult4	s						NS												NS						
Analytical Result⁴	М	50	50 ND												0.2	ND	ND	ND	ND	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

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

⁵ Reported value exceeds the Water Quality Standard as stated in Condition 61 of NYSDEC Permit Facility ID 3-9903-00043/00012-14

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected