	Surve	ey Date												09/02	2/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstructi	ion Activi	ty	I	DRR -	Dredgi	ng		Com	ments															
	Ti	ide												Fl	ood										
		Location											D	redge 506	Access A	Area									
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					090	215-D50	6-F-U										09	0215-D50	6-F-D					
Sample	Time			11:11															10:56						
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		.,	Arock	Arock	Arock	Arock	Napł	Benzo	Total S S	M	Z	ŏ		.,	Arock	Arock	Arock	Arock	Napł	Benzo
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		ı	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-		-	16	0.0006
sult4	s		NS																NS	•					
Analytical Resulf⁴	М	25	ND											67.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В						NS						•		1				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												09/02	2/2015										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activ	ity	[DEC - I	Decant	ing		Comr	nents															
		ide													ood										
		Location												Deca	nt 534										
Sam Loca	ition					Upcu	rrent (A	mbien	t)									l	Downcuri	rent					
Distar Sou				Appro	x. 500 -	1000 f	t ¹										500 ft ²	!							
Samp	ole ID			090	215-D53	4-F-U										09	0215-D53	4-F-D							
Sample	e Time						10:14												10:31						
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
Q er	5	Total Su So	Mer	N	Col	PΓ	IZ	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Napht	Benzo(Total Su So	Mer	УIN	loo	PΓ	IZ	Aroclor 1242	Aroclor 1248	Arocior 1254	Aroclor 1260	Napht	Benzo(
Ur	nit	(ppm)					(ppb)						(ppm)					(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05				ı	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	-	ı		ı	0.2	0.2	0.2	0.2	ı	0.1
Water (*	0.0007	8.2	5.6	8.0	66		1	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	1	-	1	16	0.0006
esult⁴	s	17.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	68.7	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												09/03	3/2015										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity	I	DRR -	Dredgi	ng		Comr	nents															
	Т	ide												FI	ood										
		Location												Dred	ge 549										
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					090	315-D54	9-F-U										09	0315-D54	9-F-D					
Sample	e Time						13:30												13:42						
efer		Solids	ury	iel	oer	р	v	242		B 82	260	alene	pyrene	pended	ury	iel	oer	р	ပ	242		254 B	260	alene	pyrene
Parameter	5	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	nit	(ppm)					(ppb)						(ppm)					((ppb)				ı	
Detectio	n Limit ³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2	ı	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
ssulf*	s	11.3		NR																NR					
Analytical Result⁴	М						NS												NS						
Analy	В	78						NR						90						NR					

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 dredging as of 8/13/2015, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

	Surv	ey Date												09/03	3/2015										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activ	ity		DEC - I	Decant	ing		Comr	nents															
	Т	ide												Fl	ood										
		Location												Deca	int 534										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									l	Downcuri	rent					
Distan Sou				Appro	x. 500 -	1000 f	t ¹										500 ft ²	2							
Samp	le ID					090	315-D53	4-F-U										09	0315-D53	4-F-D					
Sample	Time	_				-	11:29			-							-		11:54	-					
ter		Solids	Į.	<u></u>	er	_		242	248 DG		790	lene	yrene	s	, L	<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 Limit ³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	-	-		1	0.2	0.2	0.2	0.2	-	0.1
Water (*	0.0007	8.2	5.6	8.0	66		1	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	1	16	0.0006
esult⁴	s	14.7	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						
Anal	В	57.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	68	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												09/04	1/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	[DEC - I	Decant	ing		Com	nents															
		ide													bb										
		Location												Deca	nt 534										
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					090	415-D53	4-E-U										09	0415-D53	84-E-D					
Sample	Time						08:42												08:18						
		pə							P	СВ	1		ЭE	pə							P	СВ			ЭE
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		ı		1	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
ssulf ⁴	s	118	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	93	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Anal	В	104	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	158	0.6	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 greater than 30% over the Upcurrent concentration.
- ⁶ 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												09/04	1/2015										
	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						
Distar Sou			Appro	x. 500 -	1000 f	t ¹										500 ft ²	2								
Samp	le ID					090	415-D53	4-F-U										09	0415-D53	84-F-D					
Sample	Time						16:29												16:10						
		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	-	-	-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
sulf ⁴	s	14.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.5	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	51.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	54.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64.7	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

⁵Reported 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												09/04	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 549										
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					090	415-D54	9-E-U										09	0415-D54	19-E-D					
Sample	Time		_				09:46						_	_	_				09:36	i					
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			-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-		-	16	0.0006
esult ⁴	s			NS															NS						
Analytical Result ⁴	М	41.7	_					NR					_	45.3	_					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

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												09/05	5/2015										
	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)									I	Downcur	rent						
Distar Sou			Appro	x. 500 -	1000 f	t ¹										500 ft ²	2								
Samp	le ID					090	515-D53	4-F-U										09	0515-D53	84-F-D					
Sample	e Time						15:34												15:55						
		pel							P	СВ		a	ne	pel							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	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
sulf ⁴	s	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	134	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	74.3	0.08	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

	Surve	ey Date												09/08	3/2015										
	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						
Distan Sou				Appro	x. 500 -	1000 f	t ¹										500 ft ²	2							
Samp	le ID					090	815-D53	4-F-U										09	0815-D53	84-F-D					
Sample	Time						09:08												08:47						
		pəl							P	СВ		a	ne	pel							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 (*	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	9.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27.3	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

⁻⁻ 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												09/08	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												Dred	ge 549										
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					090	815-D54	9-E-U										09	0815-D54	19-E-D					
Sample	Time						10:09												09:40						
		ded							P	СВ	1	Ð	ne	pep							P(СВ		Ф	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)						(ppm)						(ppb)					
Detec Lim		Ambient + 100	0.05			-	1	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05	-				0.2	0.2	0.2	0.2	-	0.1
Water C Stand		*	0.0007	8.2	5.6	8.0	66			-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66				-	16	0.0006
ssulf ⁴	s	8.3	NR											21.3						NR					
Analytical Resulf⁴	М						NS												NS						
Analy	В	9.3						NR						54.3						NR					

- 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 dredging as of 8/13/2015, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

	Surv	ey Date												09/09	9/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		DRR -	Dredgi	ing		Com	nents															
	Т	ide												E	bb										
	Source	Location												Dred	ge 549										
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					090	915-D54	19-E-U										09	0915-D54	19-E-D					
Sample	Time						12:29												12:21						
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		-	-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-				16	0.0006
esult ⁴	s	_	NS NS											_	_				NS						
Analytical Result⁴	М	19		NR 20.3																NR					
Anal	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 dredging as of 8/13/2015, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

	Surv	ey Date												09/09	9/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		DEC - I	Decant	ing		Com	nents															
	Т	ide												Е	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					090	915-D53	84-E-U										09	0915-D53	84-E-D					
Sample	Time						11:52												11:33						
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		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					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
ssult ⁴	s	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	M						NS												NS						
Anal	В	17.3	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												09/10	0/2015										
	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					091	015-D53	4-F-U										09	1015-D53	84-F-D					
Sample	e Time						10:50												10:26						
		pəl							P	СВ		a	ne	pel							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	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		*	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	13.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М	16.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	47.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53.3	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

⁻⁻ 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												09/11	1/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		DEC - I	Decant	ing		Com	nents															
	Т	ide												E	bb										
		Location												Deca	nt 534										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					091	115-D53	4-E-U										09	1115-D53	84-E-D					
Sample	Time						15:53												15:36						
		pə							P	СВ			ЭС	pə							P	СВ		_	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	it	(ppm)		•			(ppb)			•			(ppm)						(ppb)				•	
Detec Lim		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	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	76.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	80	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	89.3	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	117	0.3	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
- ⁶ Upcurrent (ambient) concentration exceeds the Water Quality Standard, Downcurrent concentration is greater than 30% over upcurrent.
- -- 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												09/12	2/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		DEC - I	Decant	ing		Com	nents															
	Т	ide												Е	bb										
		Location												Decan	ting 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					091	215-D53	4-E-U										09	1215-D53	84-E-D					
Sample	Time						12:58												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	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
ssult⁴	s	8	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 Result ⁴	М	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	21.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27.3	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

⁻⁻ 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												09/13	3/2015										
	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					091	315-D53	4-F-U										09	1315-D53	84-F-D					
Sample	e Time						11:24												10:58						
		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	nit	(ppm)					(ppb)				•		(ppm)						(ppb)					
Detectio	n Limit³	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	-	-	-		0.2	0.2	0.2	0.2	-	0.1
Water (*	0.0007	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	20.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М	49.7	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	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	111	0.6	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

	Surve	ey Date												09/13	3/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activ	ity	ı	DRR -	Dredgi	ng		Com	nents															
		ide													ood										
		Location											Prof	iling, Stage	e 2 Dredg	e Area	l								
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					0913	315-PRK	A-F-U										09	1315-PRK	A-F-D)				
Sample	Time						12:17												11:57						
		pəl							P	СВ		a	ne	pel							PC	СВ		o o	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
Un	iit	(ppm)					(ppb)						(ppm)					(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water 0		*	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	37	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	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.7	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												09/14	1/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		DRR -	Dredgi	ng		Comr	nents							Α	ccess	Area						
	Т	ide												E	bb										
		Location											D	redge 549	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					091	115-D54	9-E-U										09	1415-D54	9-E-D					
Sample	Time						18:02												17:42						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	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	ı	ı		1	0.2	0.2	0.2	0.2	-	0.1
Water C Stand	-	*	0.0007	8.2	5.6	8.0	66	1	ı	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	1	-	ı	16	0.0006
esult ⁴	s		NS																NS						
Analytical Result⁴	М	62.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50	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												09/14	1/2015										
	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						
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					091	415-D53	4-F-U										09	1415-D53	84-F-D					
Sample	e Time						09:44												10:04						
		pəl							P	СВ			ne	pel							P	В			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
sulf ⁴	s	16.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М	53.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analy	В	95.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	74	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

	Surve	ey Date												09/15	5/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		PRO	o - Pro	filing		Com	nents															
		ide													bb										
		Location												P004 -	Profiling										
Sam Loca		1 Upcurrent (Ambient)															I	Downcur	rent						
Distan Sou		Approx. 500 - 1000 ft ¹															500 ft ²	2							
Samp	le ID	091515-P004-E-U																09	1515-P00	4-E-D					
Sample	Time						19:06												18:39						
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>	<u> </u>		(ppb)		<u> </u>	<u> </u>			(ppm)					((ppb)		<u> </u>			
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	1	-		1	16	0.0006
esulf⁴	s	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anal	В	34.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	57.3	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

⁻⁻ 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												09/15	5/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstructi	ion Activ	ity		DRR -	Dredgi	ng		Com	ments							sedi	iment r	mound 3						
		ide												FI	ood										
		Location												Dı	redging 5	49									
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					091	515-D54	9-F-U										09	1515-D54	9-F-D					
Sample	Time						13:27												13:07						
		pəl							P	СВ		o.	ne	pel							PC	В	1	o o	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)					•	(ppm)					((ppb)					
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	-	-	-	1	16	0.0006
ssult ⁴	s	22.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	64.7	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

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

	Surv	ey Date												09/15	5/2015										
	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)									-	Downcur	rent					
Distan Soui						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					091	515-D53	4-E-U										09	1515-D53	84-E-D					
Sample	Time						17:08												16:45						
		pe							P	СВ			e e	pe							P	СВ			je 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)					
Detec Lim		Ambient + 100	0.05			1	1	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05		-			0.2	0.2	0.2	0.2	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
ssult ⁴	s	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	30.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	69	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												09/16	6/2015										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ty	P	RO - I	Profilir	ng		Cor	nment	s														
	Ti	ide												Fl	ood										
		Location											Prof	iling Stage	2 Dredg	e Area									
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		091615-W004-F-U															09	1615-W00)4-F-D					
Sample	Time						11:22												11:34						
Parameter		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 Sus Sol	Мег	Nic	Сор	Le	ΙΖ	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphtl	Benzo(a	Total Sus Sol	Mer	Nio	Сор	Fe	Ϊ́Ζ	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Napht	Benzo(a
Un	it	(ppm)					(ppb)						(ppm)						(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water (*	0.0007	8.2	5.6	8.0	66		ı	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
sult4	s		NS																NS						
Analytical Result⁴	М	12.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.7	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												09/16	6/2015										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	ı	DRR -	Dredgi	ng		Comr	nents				Access A	Area										
	Т	ide												E	bb										
		Location											D	edge 549											
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					091	615-D54	9-E-U										09	1615-D54	9-E-D					
Sample	Time						15:53												15:41						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)						(ppm)					((ppb)				·	
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	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	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	1	1	ı	16	0.0006
esulf ⁴	s						NS												NS						
Analytical Result⁴	М	23.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25.7	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

Survey Date														09/16	6/2015											
Survey Type Construction Activity														V - Vess	sel Based											
C	onstruct	ion Activ	ity	DEC - Decanting Comments																						
		ide											Fl	ood												
Source Location														Deca	nt 534											
Sam Loca	tion	Upcurrent (Ambient)											Downcurrent													
Distar Sou		Approx. 500 - 1000 ft ¹											500 ft ²													
Samp			091	615-D53	4-F-U						091615-D534-F-D															
Sample	e Time			12:28											12:54											
		Suspended Solids							P	СВ			ne	pəl							P	СВ			ne	
Parameter	Parameter		Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	
Ur	nit	(ppm)		(ppb)										(ppm)						(ppb)				•		
Detectio	n Limit ³	Ambient + 100	0.05			-	ı	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2	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	
sulf ⁴	s	14.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analytical Resulf⁴	М	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analyt		213	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	166	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

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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											09/17	7/2015											
	Surve	у Туре											V - Vess	sel Based											
Co	nstructi	ion Activ	ity	DRR - Dredging Comments								S	tage 1 Ea	st Area D	redgir	ng									
	T	ide												Fl	ood										
		Location												Dred	ge 549										
Sam Locat		Upcurrent (Ambient)											Downcurrent												
Distan Sour		Approx. 500 - 1000 ft ¹												500 ft ²											
Samp	nple ID 091715-D549-F-U										091715-D549-F-D														
Sample	mple Time 09													09:21											
		Total Suspended Solids							P	СВ			Je	pel							PC	В			e e
Parameter	Parameter		Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)		(ppb)										(ppm)					((ppb)					
Detection	ո Limit ³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water C 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
ssult ⁴	s	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	72	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

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Survey Date														09/17	7/2015											
Survey Type Construction Activity														V - Vessel Based												
C	onstructi	ion Activ	ity	DEC - Decanting Comments																						
		ide											Fl	ood												
		Location											Deca	nt 534												
Sam Loca	tion	Upcurrent (Ambient)											Downcurrent													
Distar Sou		Approx. 500 - 1000 ft ¹											500 ft ²													
Sample ID							715-D53	4-F-U						091715-D534-F-D												
Sample	Time			14:51											14:26											
		Suspended Solids							P	СВ			ne	pel							P	СВ			ne	
Parameter	Parameter		Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	
Ur	it	(ppm)		(ppb)																(ppb)						
Detectio	n Limit ³	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1	
Water 0		*	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	14.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.5	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	39.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analyt		52.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	52	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

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	Surv	ey Date											09/18	3/2015											
	Surve	y Type												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	DEC - Decanting Comments																					
<u> </u>		ide													bb										
		Location												Deca	nt 534										
	Sample Location Upcurrent (Ambient)									Downcurrent															
Distan Sou		Approx. 500 - 1000 ft ¹									500 ft ²														
Samp	mple ID 091815-D534-E-U									091815-D534-E-D															
Sample	ample Time 09:43										09:26														
Parameter	Parameter		Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)	n) (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		-	1	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	1		ı	16	0.0006
esult4	s	15.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М						NS												NS						
Anal	В	26.7	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

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ND = Not Detected