	Surve	ey Date												05/02	2/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity		ARM -	Armori	ing		Com	ments															
-		ide													bb										
		Location												Armoring	Operation	ns									
San Loca						Upcu	rrent (Aı	mbien	t)										Downcur	rent					
	Approx. 500 - 1000 ft ¹																500 ft ²	2							
Samı	ole ID	050214-A263-E-U															05	0214-A26	3-E-D						
Sampl	e Time		09:26 PCB																09:14						
300		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
			ž	Z	ŭ	_			Arock	Arock	Arock	Napl	Benzo		ž	Z	ŭ	_		_ `	Arock	Arock	Arock	Napl	Benzo
Uı	nit	(ppm)					(ppb)		1				(ppm)		1				(ppb)					
Detection	on Limit ³	Ambient + 100	0.05			ŀ	I	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	-	-		ı	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-		-	16	0.0006
esult⁴	s	48.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	66.0	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Analy	В	77.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	73.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												05/02/	/2014										
	Surve	у Туре												V - Vesse	el Based										
С	onstruct	ion Activ	ity	PDC	- Pile	Driving	- Zone C		Com	ments															
		ide												Eb											
		Location												Pier	31										
San Loca						Upc	urrent (An	nbient))									I	Downcur	rent					
	nce to urce					Appr	rox. 500 - 1	000 ft ¹	I										500 ft ²	2					
Samı	ple ID					05	0214-P031	-E-U										05	0214-P03	81-E-D					
Sampl	e Time						08:56												08:33						
3000	alallelel	Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	r 1242		r 1254	r 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	r 1242	T	r 1254 B	r 1260	Naphthalene	Benzo(a)pyrene
	Laia	Total Su Sc	Me	Ž	ပိ	Ľ		Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naph	Benzo(Total St Sc	Me	Ż	ပိ	נ	N	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naph	Benzo(
Uı	nit	(ppm)					(p	pb)	,	,		,		(ppm)		,			((ppb)			,		1
Detection	on 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 Stand	Quality dard ³	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult*	s	86.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	88.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	130	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	110	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Anal	В	213	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	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
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
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- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												05/02	/2014										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activi	ity	PDC	- Pile l	Driving	- Zone C		Com	ments															
	Т	ide												Flo	od										
		Location												Pier	· 31										
Sam Loca						Upc	urrent (An	nbient))										Downcur	rent					
Location Distance to Source						Appr	ox. 500 - 1	000 ft ¹	l										500 ft ²	2					
Samp	ole ID					050	0214-P031	-F-U										05	0214-P03	31-F-D					
Sample	e Time	ne 11:03																10:40							
Parameter	מומונופו	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)					(p	pb)						(ppm)					((ppb)					
Detectio	on 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	35.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	47.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	51.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	54.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analı	В	56.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	54.8	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
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												05/03	3/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ty		ARM -	Armori	ng		Com	nents															
	Т	ide												E	bb										
		Location												Armoring	Operation	IS									
Sam Loca						Upcu	rrent (A	mbient	:)									ı	Downcur	rent					
Distar Sou		Approx. 500 - 1000 ft ¹																	500 ft ²	2					
Samp	ole ID					050	314-A26	3-E-U										05	0314-A26	3-E-D					
Sample	e Time						09:39												09:21						
		pel							P	СВ		0	ne	ped							P	СВ		0	Je L
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					((ppb)						(ppm)						(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05	ı		ı		0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05	ı	1	ı	I	0.2	0.2	0.2	0.2	1	0.1
Water 6	,	*	0.0007	8.2	5.6	8.0	66		-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esulf⁴	s	44.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	54.0	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	62.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	67.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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.

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

⁻⁻ No detection limit or water quality standard

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

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

	Surve	y Date												05/03	3/2014										
	Surve	у Туре												V - Vess	sel Based										
С		ion Activi	ty		ARM -	Armori	ng		Com	ments															
		ide													ood										
		Location												Armoring	Operation	ns									
Sam Loca						Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	ole ID		050314-A263-F-U															05	0314-A26	3-F-D					
Sample	e Time						11:15												10:56	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
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	0.2	0.2	0.2	0.2	1	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
esulf ⁴	s	33.2												41.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М		NS																NS						
Analı	В	47.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	196	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

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

	Surve	ey Date												05/05	5/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity		ARM -	Armori	ing		Com	ments															
		ide													bb										
		Location												Armoring	Operation	ns									
San Loca						Upcu	rrent (A	mbien	t)										Downcur	rent					
	tance to ource Approx. 500 - 1000 ft ¹																500 ft ²	2							
Samı	ple ID	050514-A263-E-U															05	0514-A26	3-E-D						
Sampl	e Time		08:58 PCB PCB PLE																08:40						
rotomere	ما ما اوروا	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
	nit							bbp)	Arc	Arc	Arc	2	Be							(ppb)	Arc	Arc	Arc		Be
Detection		Ambient + dd	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 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
esulf ⁴	s	49.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	78.4	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS NS																NS						
Analy	В	53.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	83.2	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
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- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surv	ey Date												05/05	5/2014										
	Surve	у Туре												V - Vess	sel Based										
C	Construct	ion Activi	ity		ARM -	Armori	ng		Com	ments															
	Т	ide												Fl	ood										
		Location												Armoring	Operation	is .									
Sample Location						Upcu	rrent (A	mbient	t)										Downcur	rent					
Distance to Source							x. 500 -	1000 f	t ¹										500 ft ²	2					
Sam	nple ID 050514-A263-F-U														05	0514-A26	3-F-D								
Sampl	le Time	12:37																13:03							
	rarameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
U	nit	(ppm)		<u> </u>				(ppb)			<u> </u>			(ppm)						(ppb)					
Detection	on Limit ³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-		-	-	0.2	0.2	0.2	0.2	1	0.1
	Quality dard ³	*	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
esul [¢]	s	40.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	41.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Resul [∉]	М						NS												NS						
Anal	В	46.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	104	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

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

	Surve	ey Date												05/06	6/2014										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activi	ity		ARM -	Armori	ing		Com	nents															
	Ti	ide												E	bb										
		Location												Armoring	Operation	าร									
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou		Approx. 500 - 1000 ft ¹																500 ft ²	?						
Samp	le ID		050614-A263-E-U															05	0614-A26	3-E-D					
Sample	Time		08:18																08:02						
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 B	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)		<u> </u>			(ppb)						(ppm)					(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05			-	1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		-			0.2	0.2	0.2	0.2		0.1
Water (*	0.0007	8.2	5.6	8.0	66	-	1	-	ı	16	0.0006	*	0.0007	8.2	5.6	8.0	66				-	16	0.0006
esult4	s	36.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Anal	В	34.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	42.0	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

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

	Surv	ey Date												05/06	6/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ty	,	ARM -	Armori	ng		Com	nents															
	Т	ide												Fle	bod										
		Location												Armoring	Operation	าร									
Sam Loca						Upcu	rrent (A	mbien	t)									l	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					050	614-A26	3-F-U										05	0614-A26	3-F-D					
Sample	e Time						13:53												13:34						
Darameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)						ppb)						(ppm)						(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05				I	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		-	-		0.2	0.2	0.2	0.2		0.1
Water (*	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	24.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	62.8	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Anal	В	33.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	139	ND	ND	ND	ND	11	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

⁻⁻ 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.

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

	Surv	ey Date												05/07	/2014										
	Surve	у Туре												V - Vesse	el Based										
C	onstruct	ion Activ	ity	PDC	- Pile	Driving	- Zone C		Com	ments															
	Т	ide												Flo	od										
		Location												Pier	31										
Sample Location Upcurrent (Ambient) Distance to Approx 500 - 1000 ft ¹															l	Downcur	rent								
Distar Sou																			500 ft ²	2					
Samp	ole ID		Approx. 500 - 1000 ft' 050714-P031-F-U															05	0714-P03	31-F-D					
Sample	e Time						16:34												16:14						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)		<u>I</u>		1	(p	ppb)	<u> </u>					(ppm)		<u> </u>				(ppb)	1	<u> </u>			1
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	-			ı	16	0.0006
esult4	s	15.2	ND	ND	3.4	ND	12	ND	ND	ND	ND	ND	ND	13.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result⁴	M 14.2 ND ND ND ND 13 ND ND ND ND ND ND ND											16.0	ND	ND	3.2	ND	20	ND	ND	ND	ND	ND	ND		
Analy	В	150	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	107	ND	ND	ND	ND	14	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

⁻⁻ 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.

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

	Surv	ey Date												05/08/	/2014										
	Surve	у Туре												V - Vesse	el Based										
С	onstruct	ion Activ	ity	PDC	- Pile	Driving	- Zone C		Com	ments															
	Т	ide												Eb	b										
		Location												Pier	32										
Sam Loca					Upc	urrent (Am	nbient))									ı	Downcur	rent						
Location Operation (Ambient)																	500 ft ²	2							
Samp	Approx 500 1000 ft															05	0814-P03	2-E-D							
Sample	Sample ID 050814-P032-E-U Sample Time 11:09																	10:46							
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)			•		(p	pb)		•	•			(ppm)				•		ppb)					
Detectio	n Limit ³	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		1			0.2	0.2	0.2	0.2		0.1
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	8.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.00	ND	ND	3.7	ND	13	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	6.80	ND	ND	3.3	ND	10	ND	ND	ND	ND	ND	ND	6.80	ND	ND	3.7	ND	12	ND	ND	ND	ND	ND	ND
Anal	В	13.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	20.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

	Surv	ey Date												05/08	3/2014										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activ	ity		ARM -	Armori	ng		Com	nents															
	Т	ide												E	bb										
		Location												Armoring	Operation	าร									
San Loca	ition					Upcu	rrent (A	mbien	t)									l	Downcur	rent					
Distai Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samı	ole ID		050814-A263-E-U															05	0814-A26	3-E-D					
Sampl	e Time		11:54																11:36						
3	<u> </u>	Suspended Solids	>		Ŀ			42			09	ene	yrene	ended	>		ŗ			45	T	ZB	9	ene	yrene
200		Total Susper	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Uı	nit	(ppm)					(ppb)						(ppm)					. (ppb)					
Detection	on Limit ³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		1			0.2	0.2	0.2	0.2		0.1
Water Stan	-	*	0.0007	8.2	5.6	8.0	66	-	-		-	16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult ⁴	s	20.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	25.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	20.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND

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

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

	Surv	ey Date												05/08	3/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		ARM -	Armori	ng		Comr	nents															
	Т	ide												Fl	ood										
		Location												Armoring	Operation	าร									
Loca	nple ation					Upcu	rrent (A	mbien	t)										Downcur	rent					
	nce to urce		Approx. 500 - 1000 ft ¹ 050814-A263-F-U																500 ft ²	2					
Sam	ple ID					050	814-A26	3-F-U										05	0814-A26	83-F-D					
Sampl	e Time	_	_				14:57							_	_				14:40						_
	5	papue	>		_			42	φ P(1	30	ene	rene	nded	>		_			42	T	ZB	00	eue	rene
	rarameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
U	nit	(ppm)					((ppb)						(ppm)						(ppb)					
Detection	on 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
	Quality dard ³	*	0.0007	8.2	5.6	8.0	66		-		1	16	0.0006	*	0.0007	8.2	5.6	8.0	66			-		16	0.0006
esult ⁴	s	18.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	40.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	16.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	26.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND

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.

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

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

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

⁻⁻ No detection limit or water quality standard

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

	Surve	ey Date												05/09	9/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ty		ARM -	Armori	ng		Com	ments															
		ide													bb										
		Location												Armoring	Operation	S									
Sam Loca					Upcu	rrent (A	mbient	:)									ı	Downcur	rent						
Distar Sou					Appro	x. 500 -	1000 ft	1										500 ft ²	2						
Samp	ole ID					050	914-A26	3-E-U										05	0914-A26	3-E-D					
Sample	e Time						09:26												09:11						
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)			<u> </u>		(ppb)			<u> </u>			(ppm)					((ppb)			<u> </u>		l
Detectio	n Limit ³	Ambient + 100	0.05				ı	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	-		-		0.2	0.2	0.2	0.2		0.1
Water (*	0.0007	8.2	5.6	8.0	66	1	-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-		-		16	0.0006
esult⁴	S	10.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	13.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	30.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND

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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

⁻⁻ No detection limit or water quality standard

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	Surv	ey Date												05/09	9/2014										
	Surve	у Туре												V - Ves	sel Based										
C	Construct	ion Activi	ty		ARM -	Armori	ng		Com	ments															
	Т	ide												FI	ood										
		Location												Armoring	Operation	is .									
	nple ation					Upcu	rrent (A	mbient	t)										Downcur	rent					
	nce to urce					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Sam	ple ID	050914-A263-F-U																05	60914-A26	3-F-D					
Sampl	le Time		07:34																07:21						
	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
U	nit	(ppm)					(ppb)						(ppm)						(ppb)					
Detection	on Limit ³	Ambient + 100	0.05				ı	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	1	1	-		0.2	0.2	0.2	0.2	I	0.1
	Quality dard ³	*	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
esul [¢]	s	8.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Resul [∉]	М		NS																NS						
Anal	В	13.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	13.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

	Surve	ey Date												05/09)/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		ARM -	Armori	ing		Comi	ments															
		ide												E	bb										
		Location										Armo	ring Oper	ations (Be	dding Ma	terial P	lacem	ent)							
	nple ation					Upcu	rrent (A	mbien	t)									ļ	Downcur	rent					
	nce to urce				Appro	эх. 500 -	1000 f	t ¹										500 ft ²	2						
Sam	ple ID				0509	914-ABE	D-E-U										050	0914-ABE	D-E-D	1					
Sampl	e Time		_				11:36								_				10:44						
	raiallete	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
U	nit	(ppm)		<u> </u>			(ppb)				<u> </u>		(ppm)					<u> </u>	(ppb)			<u> </u>		
Detection	on 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
	Quality dard ³	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esulf ⁴	s	13.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	38.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	12.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	48.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND

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

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

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

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

	Surve	ey Date												05/10)/2014										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activi	ty		ARM -	Armori	ng		Com	nents															
		ide												E	bb										
		Location												Armoring	Operation	ıs									
Sam Loca						Upcu	rrent (A	mbient)									ı	Downcuri	rent					
Distan Sou						Appro	x. 500 -	1000 ft	1										500 ft ²	2					
Samp	le ID					051	014-A26	3-E-U										05	1014-A26	3-E-D					
Sample	Time	_					10:15								_				09:57						
		pə							P	СВ		o.	ne	pel							P	СВ		ø.	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					((ppb)						(ppm)					((ppb)				•	
Detection	n Limit ³	Ambient + 100	0.05			1	1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	1	1	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			-	-	16	0.0006
esult⁴	s	19.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	20.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	24.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND

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.

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

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	Surv	ey Date												05/10)/2014										
	Surve	у Туре												V - Vess	sel Based										
C	Construct	ion Activi	ity		ARM -	Armori	ng		Com	ments															
	Т	ide												Fl	ood										
		Location												Armoring	Operation	ns .									
Loc	nple ation					Upcu	rrent (A	mbient	t)										Downcur	rent					
	nce to Approx. 500 - 1000 ft ¹																		500 ft ²	2					
Sam	ple ID	051014-A263-F-U														05	1014-A26	3-F-D							
Samp	le Time		08:50 PCB <u>o</u>																08:34						
	Farameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
U	nit	(ppm)					(ppb)						(ppm)						(ppb)					•
Detection	on Limit ³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05		1	-		0.2	0.2	0.2	0.2	1	0.1
	Quality dard ³	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esul∉	s	7.60	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	8.80	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Resul [∯]	М						NS												NS						
Anal	В	6.00	ND	ND	3.5	ND	14	ND	ND	ND	ND	ND	ND	11.6	ND	ND	3.3	ND	10	ND	ND	ND	ND	ND	ND

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

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

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

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	Surve	ey Date												05/12	2/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity		ARM -	Armori	ng		Comi	ments															
		ide												E	bb										
		Location												Armoring	Operation	ns									
Sam Loca						Upcu	rrent (A	mbien	t)									ļ	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID		051214-A263-E-U 11:32															05	1214-A26	3-E-D					
Sample	e Time		_				11:32								_				11:17						
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
Ur	nit	(ppm)		<u> </u>	<u> </u>		(ppb)	<u> </u>	<u> </u>				(ppm)					((ppb)			<u> </u>		
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	-	-	-	ı	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
esulf ⁴	s	18.0	ND	ND	3.2	ND	11	ND	ND	ND	ND	ND	ND	15.2	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М						NS												NS						
Analy	В	44.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	27.0	ND	ND	3.1	ND	11	ND	ND	ND	ND	ND	ND

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												05/12	/2014										
	Surve	у Туре												V - Vess	el Based										
C	onstruct	ion Activi	ty	PDC	- Pile	Driving	- Zone C		Com	ments															
		ide												Flo	od										
		Location												Pier	32										
Loca	nple ation					Upcı	urrent (Am	nbient)											Downcur	rent					
	nce to ırce					Appr	ox. 500 - 1	000 ft ¹											500 ft ²	2					
Samı	ole ID					05	1214-P032	:-F-U										05	1214-P03	32-F-D					
Sampl	e Time						08:34												08:12						
200	רמומוופנפו	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)					(r	ppb)						(ppm)					((ppb)				·	
Detection	on Limit ³	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water Stand	Quality dard ³	*	0.0007	8.2	5.6	8.0	66	-				16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult	s	16.4	ND	ND	3.1	ND	11	ND	ND	ND	ND	ND	ND	18.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
ytical Re	S 16.4 ND ND 3.1 ND ND ND ND ND ND ND N								ND	ND	ND	ND	ND	84.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Anal	В	89.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	222	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

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

	Surve	ey Date												05/12/	2014										
	Surve	у Туре												V - Vesse	l Based										
С	onstructi	ion Activ	ity	PDC	- Pile	Driving	J - Zone C		Comr	ments															
		ide												Ebl											
		Location												Pier	31										
Sam Loca						Upo	urrent (Am	bient)										I	Downcur	rent					
Distar Sou						Арр	rox. 500 - 10	000 ft ¹											500 ft ²	2					
Samp	ole ID					05	1214-P031	-E-U										05	1214-P03	1-E-D					
Sample	e Time						12:07												11:46						
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
Ur	nit	(ppm)					(р	pb)						(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	-	-	1		0.2	0.2	0.2	0.2		0.1
Water (*	0.0007	8.2	5.6	8.0	66	-				16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult ⁴	s	19.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.4	ND	ND	3.3	ND	11	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	25.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	
Analı	В	39.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	41.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
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 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												05/12	/2014										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activi	ity	PDC	- Pile	Driving	- Zone C		Com	ments															
	Т	ide												Flo	od										
		Location												Pier	r 31										
San Loca	•					Upcı	ırrent (An	nbient))									l	Downcur	rent					
Location Distance to Source						Appr	ox. 500 - 1	000 ft ¹	I										500 ft ²	2					
Samı	ole ID				05	1214-P031	-F-U										05	1214-P03	31-F-D						
Sampl	e Time						09:10												08:46						
Doromotor		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Uı	nit	(ppm)					(r	pb)						(ppm)						(ppb)					•
Detection	on 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 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
esulf ⁴	s	16.8	ND	ND	3.1	ND	11	ND	ND	ND	ND	ND	ND	14.4	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	44.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	40.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Anal	В	29.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	87.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (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
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 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												05/13	3/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity		ARM -	Armori	ing		Comi	ments															
		ide												E	bb										
		Location												Armoring	Operation	ns									
	nple ation					Upcu	rrent (A	mbien	t)									ļ	Downcur	rent					
	nce to urce				Appro	x. 500 -	1000 f	t ¹										500 ft ²	2						
Sam	ple ID				051	314-A26	3-E-U										05	1314-A26	3-E-D						
Sampl	e Time		_				13:11								_				12:23						
3000	rarameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
U	nit	(ppm)			L		(ppb)		L			Į.	(ppm)					. ((ppb)	L			l	Į.
Detection	on 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
	Quality dard ³	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esulf ⁴	s	34.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	24.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	32.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

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

	Surv	ey Date												05/13	3/2014										
	Surve	у Туре												V - Vess	sel Based										
C	Construct	ion Activi	ity		ARM -	Armori	ng		Com	ments															
	Т	ide												Fl	ood										
		Location												Armoring	Operation	ıs									
	nple ation					Upcu	rrent (A	mbient	t)										Downcur	rent					
	nce to urce					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Sam	ple ID	051314-A263-F-U																05	1314-A26	3-F-D					
Sampl	le Time		07:49																07:34						
i d	Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
U	nit	(ppm)					((ppb)						(ppm)						(ppb)					
Detection	on Limit ³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	1				0.2	0.2	0.2	0.2	-	0.1
	Quality dard ³	*	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
esulf	s	36.8	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	33.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Resul [∉]	М						NS												NS						
Anal	В	30.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	38.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND

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

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

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

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	Surve	ey Date												05/13/	2014										
	Surve	у Туре												V - Vesse	el Based										
С	onstruct	ion Activi	ity	PDC	- Pile	Driving	- Zone C		Com	ments															
		ide												Eb											
		Location												Pier	32										
Sam Loca						Upc	urrent (Am	bient)										I	Downcur	rent					
Distar Sou						Аррі	rox. 500 - 1	000 ft ¹											500 ft ²	2					
Samp	ole ID					05	1314-P032	-E-U										05	1314-P03	32-E-D					
Sample	e Time		_				12:55								_				12:35						
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)					(p	pb)						(ppm)						(ppb)					
Detectio	on Limit ³	Ambient + 100	0.05			-	1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
Resulf*		22.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	18.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	45.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	28.0	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND
Analy	В	135	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	59.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND

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

	Surv	ey Date												05/14	1/2014										
	Surve	у Туре												V - Vess	sel Based										
C	Construct	ion Activi	ty		ARM -	Armori	ng		Com	ments															
	Т	ide												Fl	ood										
		Location												Armoring	Operation	ıs									
	nple ation					Upcu	rrent (A	mbient	t)										Downcur	rent					
	nce to urce					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Sam	ple ID				051	414-A26	3-F-U										05	1414-A26	3-F-D						
Sampl	le Time						08:15												08:03						
	Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
U	nit	(ppm)					(ppb)						(ppm)						(ppb)					
Detection	on Limit ³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	1		-		0.2	0.2	0.2	0.2	1	0.1
	Quality dard ³	*	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
esul [¢]	s	40.4	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	39.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Resul [∉]	М						NS												NS						
Anal	В	52.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	62.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND

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

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

	Surve	ey Date												05/14	/2014										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activ	ity	PDC	- Pile	Driving	- Zone C		Com	ments															
		ide												Flo											
		Location											1	Pier	32										
Sam Loca	ition					Upc	urrent (An	nbient)										Downcur	rent					
Distar Sou					Appr	ox. 500 - 1	000 ft	ı										500 ft	2						
Samp	ole ID					05	1414-P032	2-F-U										05	1414-P03	32-F-D					
Sample ID 051414-P032-F-U Sample Time 08:59																08:33	1								
ı	2	Suspended Solids	2	_	5			42		54 CB	09	ene	yrene	ended	2	_	ı			42		54 CB	09	ene	yrene
Darameter	2	Total Susper Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(r	pb)						(ppm)					((ppb)					
Detectio	n Limit ³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05		-			0.2	0.2	0.2	0.2		0.1
Water (* 0.0007 8.2 5.6 8.0 66										16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esulf ⁴	s	24.4	ND	ND	13	ND	ND	ND	ND	ND	ND	26.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND		
Analytical Resulf⁴	М	36.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	41.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Anal	В	52.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	72.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- 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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 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												05/15	5/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity		ARM -	Armori	ing		Com	ments															
-		ide													bb										
		Location												Armoring	Operation	ns									
San Loca						Upcu	rrent (A	mbien	t)										Downcur	rent					
Distai Sou						Appro	эх. 500 -	1000 f	t ¹										500 ft ²	2					
Samı	ole ID					051	514-A26	3-E-U										05	1514-A26	3-E-D					
Sampl	e Time						13:48												13:33						
200		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
		Total S	ĕ	2	ŏ	1			Arocic	Arock	Arock	Napł	Benzo	Total S	¥	Z	ŭ			_ `	Arock	Arock	Arocic	Napł	Benzo
Uı	nit	(ppm)					(ppb)		1				(ppm)		1				(ppb)					
Detection	on Limit ³	Ambient + 100	0.05			1		0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05		ı			0.2	0.2	0.2	0.2	-	0.1
Water 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	14.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	
Analytical Result⁴	М						NS												NS						
Anal	В	20.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27.2	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
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												05/15	5/2014										
	Surve	у Туре												V - Vess	sel Based										
С		ion Activi	ity		ARM -	Armori	ng		Com	ments															
		ide													ood										
		Location												Armoring	Operation	าร									
Sam Loca						Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft	2					
Samp	ole ID					051	514-A26	3-F-U										05	51514-A26	63-F-D					
Sample	e Time						09:22												09:04						
Darameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)	ppm) (ppb)													<u> </u>	<u> </u>	<u> </u>		(ppb)	<u>I</u>				
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 (,												0.0006	*	0.0007	8.2	5.6	8.0	66	-			-	16	0.0006
esulf ⁴	s	32.8 ND ND ND ND 10 ND ND ND ND ND ND ND ND											ND	44.4	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М						NS												NS						
Analy	В	40.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	52.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

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

	Surve	ey Date												05/15/	/2014										
	Surve	у Туре												V - Vesse	el Based										
С	onstruct	ion Activ	ity	PDC	- Pile	Driving	- Zone C		Com	ments															
		ide												Flo											
		Location												Pier	32										
San Loca						Upc	urrent (Am	bient))									I	Downcur	rent					
	nce to Irce					Аррі	rox. 500 - 1	000 ft ¹	I										500 ft ²	2					
Samı	ole ID					05	1514-P032	-F-U										05	1514-P03	32-F-D					
Sampl	e Time						08:43												08:21						
Doromotor		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Uı	nit	(ppm)					(p	pb)						(ppm)						(ppb)					I
Detection	on Limit ³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	1	-	-	-	0.2	0.2	0.2	0.2	1	0.1
Water Stand		*	0.0007	8.2	5.6	8.0	66	ı	-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-			ı	16	0.0006
esulf ⁴	s	17.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	19.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	26.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.2	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Anal	В	47.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	34.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												05/16	/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		ARM -	Armori	ng		Com	ments															
	Т	ide												E	bb										
		Location												Armoring	Operation	ns									
Sam Loca						Upcu	rrent (Aı	mbien	t)									I	Downcur	rent					
Distar Sou					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2						
Samp	ole ID					051	614-A26	3-E-U										05	1614-A26	3-E-D					
Sample	e Time	_	_				14:02								_				13:48						
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)	pm) (ppb)																((ppb)					
Detectio	on 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 (-											0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	
esult ⁴	s	39.6 ND ND ND ND 13 ND ND ND ND ND ND ND ND										ND	43.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	
Analytical Resulf⁴	М						NS												NS						
Analy	В	40.4	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	47.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

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

	Surve	ey Date												05/16	6/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		ARM -	Armori	ng		Com	ments															
		ide													ood										
		Location												Armoring	Operation	าร									
San Loca	nple ation					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distai Sou	nce to Irce					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samı	ple ID					051	614-A26	3-F-U										05	1614-A26	3-F-D					
Sampl	e Time		_				08:41								_				08:28						
acycmosco	r al allietel	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Uı	nit	(ppm)					(ppb)						(ppm)						(ppb)					
Detection	on Limit ³	Ambient + 100	0.05	ı		ı	-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	ı	ı	1	I	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
ssult⁴	s	37.2												58.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М		NS																NS						
Analy	В	43.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	81.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

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

	Surve	ey Date												05/19)/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		ARM -	Armori	ng		Com	ments															
	Т	ide												E	bb										
		Location												Armoring	Operation	ns									
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					051	914-A26	3-E-U										05	1914-A26	3-E-D					
Sample	e Time	_	_				16:51								_				16:33						
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
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 (-	*										16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
esulf ⁴	s	26.4	ND	ND	3.2	ND	12	ND	ND	ND	ND	ND	ND	17.6	ND	ND	3.1	ND	11	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М						NS												NS						
Anal	В	32.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	32.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surv	ey Date												05/19	9/2014										
	Surve	у Туре												V - Ves	sel Based										
C	onstruct	ion Activi	ty		ARM -	Armori	ng		Comi	ments															
	Т	ide												FI	ood										
		Location												Armoring	Operation	ıs									
	nple ation					Upcu	rrent (A	mbient	t)										Downcur	rent					
	nce to urce				Appro	x. 500 -	1000 f	t ¹										500 ft ²	2						
Sam	ple ID					051	914-A26	3-F-U										05	1914-A26	3-F-D					
Sampl	le Time						10:34												10:49	1					
ć	Farameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
U	nit	(ppm)					(ppb)					•	(ppm)						(ppb)					•
Detection	on Limit ³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	1	1	-		0.2	0.2	0.2	0.2	1	0.1
	Quality dard ³	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esul [¢]	s	39.6	ND	ND	3.2	ND	12	ND	ND	ND	ND	ND	ND	37.6	ND	ND	3.1	ND	12	ND	ND	ND	ND	ND	ND
Analytical Resul [∉]	М						NS												NS						
Anal	В	48.8	ND	ND	3.1	ND	12	ND	ND	ND	ND	ND	ND	49.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												05/19/	/2014										
	Surve	у Туре												V - Vesse	el Based										
С	onstruct	ion Activ	ity	PDC	- Pile	Driving	- Zone C		Com	ments															
	Т	ide												Ek	b										
		Location												Pier	32										
San Loca						Upcı	ırrent (Am	nbient))									l	Downcur	rent					
Distar Soເ						Appr	ox. 500 - 1	000 ft ¹	I										500 ft ²	2					
Samı	ole ID					051	1914-P032	?-E-U										05	1914-P03	2-E-D					
Sampl	e Time						19:44												19:20						
yotomesed		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)					(p	pb)						(ppm)						ppb)					
Detection	on 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 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	20.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	26.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	56.0	ND	ND	3.3	ND	12	ND	ND	ND	ND	ND	ND	36.8	ND	ND	3.0	ND	11	ND	ND	ND	ND	ND	ND
Anal	В	108	ND	ND	3.1	ND	11	ND	ND	ND	ND	ND	ND	41.6	ND	ND	3.6	ND	12	ND	ND	ND	ND	ND	ND

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												05/20)/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ty		ARM -	Armori	ng		Com	nents															
	Т	ide												E	bb										
		Location												Armoring	Operation	ıs									
San Loca						Upcu	rrent (A	mbient	:)									ı	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	1										500 ft ²	2					
Samp	ole ID		052014-A263-E-U 08:57															05	2014-A26	3-E-D					
Sample	e Time						08:57												08:37						
		pa							P	СВ		4)	Je	pa							P	СВ		40	e e
Darameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)			•		((ppb)						(ppm)						(ppb)	•				
Detectio	on Limit ³	Ambient + 100	0.05			ı		0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05	ı	1	ı	I	0.2	0.2	0.2	0.2	ı	0.1
Water of Stand	•	*	0.0007	8.2	5.6	8.0	66		-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	-	16	0.0006
esult⁴	s	75.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	86.8	ND	ND	3.0	ND	12	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Anal	В	88.4	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	84.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND

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.

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

⁻⁻ No detection limit or water quality standard

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

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

	Surv	ey Date												05/20	0/2014										
	Surve	у Туре												V - Ves	sel Based										
C	Construct	ion Activi	ty		ARM -	Armori	ng		Com	ments															
	T	ide												FI	ood										
		Location												Armoring	Operation	ns									
Loc	nple ation				Upcu	rrent (A	mbient	t)										Downcur	rent						
	nce to urce					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Sam	ple ID																	05	2014-A26	3-F-D					
Samp	le Time		12:33 PCB																12:14						
ć	Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
U	nit	(ppm)					(ppb)					•	(ppm)						(ppb)					
Detection	on Limit ³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		1	-		0.2	0.2	0.2	0.2	1	0.1
	Quality dard ³	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esul [¢]	s	32.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	58.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Resul [∉]	М						NS												NS						
Anal	В	57.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	71.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

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

	Surve	ey Date												05/21	/2014										
	Surve	у Туре												V - Vess	sel Based										
С		ion Activi	ity	,	ARM -	Armori	ng		Com	ments															
		ide												E	bb										
		Location												Armoring	Operation	ns									
Sam Loca					Upcu	rrent (Aı	mbien	t)									ļ	Downcur	rent						
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ple ID		052114-A263-E-U															05	2114-A26	3-E-D					
Sample	e Time	_	10:23												_				10:00						
Darameter	rai alliece	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)			<u> </u>		(ppb)			1	<u> </u>	I	(ppm)		<u> </u>			<u> </u>	(ppb)		1	<u> </u>		
Detectio	on 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
esulf*	s	50.0	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	107	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М						NS												NS						
Analy	В	74.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	112	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

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

	Surv	ey Date												05/21	1/2014										
	Surve	у Туре												V - Vess	sel Based										
C	Construct	ion Activi	ty		ARM -	Armori	ng		Com	ments															
	Т	ide												Fl	ood										
		Location												Armoring	Operation	is .									
	nple ation					Upcu	rrent (A	mbient	t)										Downcur	rent					
	nce to urce					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Sam	ple ID	052114-A263-F-U																05	52114-A26	3-F-D					
Samp	le Time		13:04																12:45						
	Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
U	nit	(ppm)					(ppb)						(ppm)						(ppb)					
Detection	on Limit ³	Ambient + 100	0.05				ı	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2	-	0.1
	Quality dard ³	*	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
esulf	s	28.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Resul [∯]	М		NS																NS						
Anal	В	46.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	34.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

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

	Surv	ey Date												05/22	2/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity		ARM -	Armori	ng		Com	ments															
	Т	ide												E	bb										
		Location												Armoring	Operation	าร									
San Loca	ition					Upcu	rrent (A	mbien	t)									ļ	Downcur	rent					
Distai Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samı	ole ID		052214-A263-E-U															05	2214-A26	3-E-D					
Sampl	e Time		10:49																10:33						
200		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
Š	5	Total S	ğ	Z	ŭ	1	.,	Arock	Arock	Arock	Arock	Napl	Benzo	Total S	Me	z	ŭ			Arock	Arock	Arock	Arock	Napł	Benzo
Uı	nit	(ppm)					(ppb)						(ppm)				ı	. ((ppb)				1	
Detection	on Limit ³	Ambient + 100	0.05	1				0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	1	1	ı		0.2	0.2	0.2	0.2	1	0.1
Water Stand	-	*	0.0007	8.2	5.6	8.0	66		-			16	0.0006	*	0.0007	8.2	5.6	8.0	66	-		-		16	0.0006
esult ⁴	s	46.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	50.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Anal	В	50.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	77.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

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

	Surv	ey Date												05/22	2/2014										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ity	,	ARM -	Armori	ng		Com	nents															
	Т	ide												Flo	bod										
		Location												Armoring	Operation	าร									
Sam Loca	tion					Upcu	rrent (A	mbien	t)									l	Downcur	rent					
Distar Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	ole ID		052214-A263-F-U															05	2214-A26	3-F-D					
Sample	e Time						14:04												13:48						
		papı								В		e.	ene	papı						-	T	В		e.	ene
Darameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
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	-	1	-		0.2	0.2	0.2	0.2	-	0.1
Water (-	*	0.0007	8.2	5.6	8.0	66		-		-	16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult⁴	s	23.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	45.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	28.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	141	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND

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.

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

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

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

⁻⁻ No detection limit or water quality standard

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

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

	Surv	ey Date												05/22	/2014										
	Surve	у Туре												V - Vesse	el Based										
Co	onstruct	ion Activ	ity	PDC	- Pile	Driving	- Zone C		Com	ments															
	Т	ide												Flo	od										
		Location												Pier	32										
Sam Loca	tion					Upc	urrent (An	nbient)									ĺ	Downcur	rent					
Distan Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	ole ID		052214-P032-F-U															05	2214-P03	32-F-D					
Sample	e Time						15:48												15:28	1					
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)					(p	pb)			`			(ppm)		ļ				(ppb)					
Detectio	n Limit ³	Ambient +	0.05					0.2	0.2	0.2	0.2		0.1	Ambient +	0.05					0.2	0.2	0.2	0.2		0.1
Water (*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult4	S	34.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	46.0	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	44.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	60.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Anal	В	146	ND	ND	3.4	ND	12	ND	ND	ND	ND	ND	ND	91.6	ND	ND	ND	ND	12	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

⁻⁻ 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.

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

	Surve	ey Date												05/23	3/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ty		ARM -	Armori	ng		Com	ments															
		ide													bb										
		Location												Armoring	Operation	is .									
Sam Loca			Upcurrent (Ambient)															ı	Downcur	rent					
Distar Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	ole ID		052314-A263-E-U															05	2314-A26	3-E-D					
Sample	e Time		08:43																08:30						
		þek	PCB e e																		PO	СВ		Ð	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	on Limit ³	Ambient + 100	0.05			1		0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05			ı	I	0.2	0.2	0.2	0.2	ı	0.1
Water (*	0.0007	8.2	5.6	8.0	66	-	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66				1	16	0.0006
esul ⁴	s	17.2												23.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М		NS																NS						
Anal	В	23.2	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	32.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND

- ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												05/23	3/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity	,	ARM -	Armori	ng		Com	ments															
		ide													ood										
		Location												Armoring	Operation	าร									
San Loca	nple ation					Upcu	rrent (A	mbien	t)										Downcur	rent					
	nce to Irce					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samı	ple ID		052314-A263-F-U															05	2314-A26	63-F-D					
Sampl	e Time		07:08 PCB												_				06:57						
actomorac G	raiailetei	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Uı	nit	(ppm)					(ppb)						(ppm)					((ppb)					•
Detection	on Limit ³	Ambient + 100	0.05	ı	ı	1	-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	ı	ı	ı	I	0.2	0.2	0.2	0.2	ı	0.1
Water Stand	Quality dard ³	*	0.0007	8.2	5.6	8.0	66		-			16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-			16	0.0006
ssult⁴	s	41.6											ND	27.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М						NS												NS						
Analy	В	30.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	36.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												05/23/	2014										
	Surve	у Туре												V - Vesse	el Based										
С	onstructi	ion Activi	ty	PDC	- Pile	Driving	- Zone C		Com	ments															
		ide												Eb											
		Location												Pier	32										
Sam Loca						Upo	urrent (Am	bient)											Downcur	rent					
Distar Sou						Арр	rox. 500 - 10	000 ft ¹											500 ft ²	2					
Samp	ole ID					05	52314-P032-	-E-U										05	2314-P03	2-E-D					
Sample	e Time						09:57												09:36						
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
Ur	nit	(ppm)					(p	pb)					•	(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	1	1	0.2	0.2	0.2	0.2	-	0.1
Water (,	*	0.0007	8.2	5.6	8.0	66	1	1		-	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-	-		16	0.0006
ssulf⁴	s	16.0	ND	ND	3.2	ND	11	ND	ND	ND	ND	ND	ND	16.4	ND	ND	3.8	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	28.8	ND	ND	3.2	ND	13	ND	ND	ND	ND	ND	ND	29.6	ND	ND	3.1	ND	12	ND	ND	ND	ND	ND	ND
Anal	В	39.6	ND	ND	3.2	ND	14	ND	ND	ND	ND	ND	ND	38.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND

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

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

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

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

	Surve	ey Date												05/23/	2014										
	Surve	у Туре												V - Vesse	el Based										
С	onstruct	ion Activ	ity	PDC	- Pile	Driving	j - Zone C		Comi	ments															
	Т	ide												Floo	od										
		Location												Pier	32										
Sample Upcurrent								bient)	1									ı	Downcur	rent					
	ance to Approx. 500 - 1000 ft ¹															500 ft ²	2								
Samı	ple ID		Approx. 500 - 1000 π 052314-P032-F-U															05	2314-P03	82-F-D					
Sampl	e Time		_				08:05								_				07:49						_
Totomoro	מומומנפו	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)					(p	pb)						(ppm)						(ppb)					
Detection	on 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 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	14.4	ND	ND	3.3	ND	11	ND	ND	ND	ND	ND	ND	17.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	M 32.0 ND ND ND 12 ND ND ND ND ND ND ND ND											ND	26.0	ND	ND	3.3	ND	11	ND	ND	ND	ND	ND	ND	
Anal	В	51.2	ND	ND	3.2	ND	15	ND	ND	ND	ND	ND	ND	50.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

	Surv	ey Date												05/27	//2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity		ARM -	Armori	ng		Com	nents															
		ide													bb										
		Location												Armoring	Operatior	าร									
San Loca	ition					Upcu	rrent (A	mbien	t)									l	Downcur	rent					
Distar Soເ			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	ole ID		052714-A263-E-U															05	2714-A26	3-E-D					
Sampl	e Time		12:33																12:15						
į	9	Suspended Solids	5	_	Į.			:42		Ž, CB	99	lene	yrene	s s	5	_	Je.			242	T	ZB	99	lene	yrene
Darage		Total Susper	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Uı	nit	(ppm)					((ppb)						(ppm)					((ppb)					
Detection	on Limit ³	Ambient + 100	0.05				ŀ	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		1			0.2	0.2	0.2	0.2		0.1
Water (-	*	0.0007	8.2	5.6	8.0	66		-			16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult ⁴	s	19.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	30.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Anal	В	19.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	38.4	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

⁻⁻ No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

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

	Surv	ey Date												05/27	7/2014										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ity		ARM -	Armori	ng		Com	nents															
	Т	ide												Fl	ood										
		Location												Armoring	Operation	าร									
Sam Loca	ition					Upcu	rrent (A	mbien	t)									l	Downcur	rent					
Distar Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	ole ID		052714-A263-F-U															05	2714-A26	3-F-D					
Sample	e Time		08:41																08:26						
		pəpı								В		e.	ene	papı							T	В		ЭС	ene
Darameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)		•			(ppb)						(ppm)						(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	45.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	45.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	50.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	44.8	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

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	Surv	ey Date												05/27/	2014										
	Surve	у Туре												V - Vesse	el Based										
C	onstruct	ion Activ	ity	PDC	- Pile	Driving	- Zone C		Com	ments															
	Т	ide												Eb											
		Location												Pier	35										
Sam Loca	ition					Upc	urrent (Am	nbient)									I	Downcur	rent					
Distar Sou						Appı	rox. 500 - 1	000 ft	1										500 ft ²	2					
Samp	ole ID					05	2714-P035	5-E-U										05	2714-P03	85-E-D					
Sample	e Time						13:10												12:55						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(p	pb)	_					(ppm)						(ppb)		`	`		
Detectio	n Limit ³	Ambient +	0.05					0.2	0.2	0.2	0.2		0.1	Ambient +	0.05					0.2	0.2	0.2	0.2		0.1
Water (*	0.0007	8.2	5.6	8.0	66		-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-			ı	16	0.0006
esult ⁴	s	26.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М		NS																NS						
Analy	В	38.4 ND											ND	33.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND

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

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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	Surv	ey Date												05/28	3/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity		ARM -	Armori	ng		Com	ments															
		ide													bb										
		Location												Armoring	Operatior	าร									
San Loca	ition					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distar Soເ						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					052	814-A26	3-E-U										05	2814-A26	3-E-D					
Sampl	e Time						13:19												13:01						
ż	2	Suspended Solids	2	:42		ZB	09:	ene	yrene	ended	2	_	J.			.42	T	Ž CB	09:	ene	yrene				
otomere d	5	Total Susper	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				ŀ	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		1			0.2	0.2	0.2	0.2		0.1
Water (-	*	0.0007	8.2	5.6	8.0	66	-	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult ⁴	s	24.4 ND ND 3.2 ND 11 ND ND ND ND										ND	ND	28.0	ND	ND	3.2	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	M NS																		NS						
Anal	В	27.6	ND	ND	3.2	ND	10	ND	ND	ND	ND	ND	ND	36.8	ND	ND	3.4	ND	11	ND	ND	ND	ND	ND	ND

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	Surv	ey Date												05/28	3/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		ARM -	Armori	ng		Com	nents															
	Т	ide												Fl	ood										
		Location												Armoring	Operation	าร									
San Loca	ition					Upcu	rrent (A	mbien	t)									l	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					052	814-A26	3-F-U										05	2814-A26	3-F-D					
Sample	e Time						08:32												08:10						
į	5	Suspended Solids	ý		<u>.</u>			42	ı	ZB	09	ene	rene	ended	>		L.			42	T	ZB	09	ene	rene
Darameter		Total Susper Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(ppb)						(ppm)						(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05				-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water (-	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult⁴	s	21.2	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	35.2	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	NS																	NS						
Anal	В	21.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19.2	ND	ND	3.1	ND	10	ND	ND	ND	ND	ND	ND

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	Surv	ey Date												05/28	/2014										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activ	ity	PDC	- Pile I	Driving	- Zone C		Com	nents															
	Т	ide												Flo	od										
		Location												Pier	r 35										
San Loca	ition					Upcı	urrent (An	nbient)									l	Downcur	rent					
Distai Sou						Appr	ox. 500 - 1	000 ft	1										500 ft ²	2					
Samı	ole ID					05	2814-P035	5-F-U										05	2814-P03	35-F-D					
Sampl	e Time						09:20												09:03						
o de companyo de c		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)					(p	pb)						(ppm)					((ppb)					
Detection	on Limit ³	Ambient + 100	0.05		ŀ		I	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 Stan	-	*	0.0007	8.2	5.6	8.0	66		-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-			-	16	0.0006
esult ⁴	s	20.4	ND	ND	3.4	ND	11	ND	ND	ND	ND	ND	ND	30.0	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	B 65.6 ND					ND	10	ND	ND	ND	ND	ND	ND	47.6	ND	ND	3.3	ND	11	ND	ND	ND	ND	ND	ND

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	Surv	ey Date												05/29/	2014										
	Surve	у Туре												V - Vesse	el Based										
Co	onstruct	ion Activ	ity	PDC	- Pile	Driving -	Zone C		Com	nents															
	Т	ide												Floo	bd										
		Location												Pier	35										
Sam Loca	tion					Upcu	rrent (Am	nbient))									l	Downcur	rent					
Distan Sou						Appro	x. 500 - 1	000 ft ¹											500 ft ²	2					
Samp	le ID					052	914-P035	5-F-U										05	2914-P03	85-F-D					
Sample	Time						09:29												09:12						
Parameter		uspended olids	rcury	ckel	pper	ead	inc	r 1242		r 1254	r 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	r 1242	r 1248		Aroclor 1260	Naphthalene	Benzo(a)pyrene
Par														Total Si Sc	Me	Ž	ပိ		Z	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclo	Naph	Benzo
Un	it	(ppm)					(p	pb)						(ppm)					((ppb)					
Detectio	n Limit ³	Ambient + 100	0.05			1	I	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05		1	1	I	0.2	0.2	0.2	0.2		0.1
Water (-	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66	-		-	1	16	0.0006
esult4	s	30.0	30.0 ND											30.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	NS NS															NS									
Anal	В	47.6 ND ND ND ND 12 ND										ND	51.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	

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

	Surv	ey Date												05/29)/2014										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ity	,	ARM -	Armori	ng		Com	nents															
	Т	ide												Flo	bod										
		Location												Armoring	Operation	าร									
Sam Loca	ition					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					052	914-A26	3-F-U										05	2914-A26	3-F-D					
Sample	e Time						07:45												08:05						
ž	5	pəpu	_					7.		ZB	9	aue	rene	papu	_					- 7	T	ZB	9	ane	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
Ur	nit	(ppm)					(ppb)						(ppm)						(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05			-	I	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water (-	*	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	33.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35.2	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	NS																	NS						
Anal	В	35.2	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	24.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND

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

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

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	Surve	ey Date												05/30)/2014										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activ	ity		ARM -	Armori	ng		Comi	ments															
		ide												E	bb										
		Location												Armoring	Operation	ns									
	nple ation					Upcu	rrent (A	mbien	t)									ļ	Downcur	rent					
	nce to urce					Appro	x. 500 -	1000 f	t ¹										500 ft ²	!					
Sam	ple ID					053	014-A26	3-E-U										05	3014-A26	3-E-D					
Sampl	e Time		_				14:04								_				13:51						
2000000	raiailletei	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
U	nit	(ppm)					(ppb)						(ppm)					(ppb)					
Detection	on Limit ³	Ambient + 100	0.05				ı	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		1			0.2	0.2	0.2	0.2	-	0.1
	Quality dard ³	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esulf ⁴	s	19.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	26.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	33.2	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	30.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												05/30)/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ty		ARM -	Armori	ng		Com	ments															
		ide												Fl	ood										
		Location												Armoring	Operation	ıs									
San Loca						Upcu	rrent (A	mbient	:)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 ft	11										500 ft ²	2					
Samp	ole ID					053	014-A26	3-F-U										05	3014-A26	3-F-D					
Sample	e Time						08:29												08:10						
Darameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					((ppb)						(ppm)					((ppb)					
Detectio	on 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	I	0.1
Water of Stand												16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	1	16	0.0006
esul€	s	22.0 ND ND ND ND 10 ND ND ND ND ND ND N									ND	23.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND		
Analytical Resul [∉]	М						NS												NS						
Anal	В	27.6	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	27.6	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	

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

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

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

⁻⁻ No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

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

	Surve	ey Date												05/31	1/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ty		ARM -	Armori	ng		Com	ments															
		ide													bb										
		Location												Armoring	Operation	ıs									
Sam Loca						Upcu	rrent (A	mbient	:)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					053	114-A26	3-E-U										05	3114-A26	3-E-D					
Sample	Time						07:49												07:34						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	it	(ppm)			<u> </u>		((ppb)	<u> </u>	<u> </u>				(ppm)						(ppb)					
Detectio	n Limit ³	Ambient +	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 3	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*	s	_					NS		_					_	_		_		NS	_		_	_		
Analytical Result⁴	М	34.0	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	104	ND	ND	ND	ND	11	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
- $^{\rm 2}$ 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
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
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	Surve	ey Date												05/3	1/2014										
	Surve	у Туре												V - Ves	sel Based										
C	onstruct	ion Activi	ty		ARM -	Armori	ng		Comi	ments															
	Т	ide												FI	ood										
		Location												Armoring	Operation	ns .									
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					053	114-A26	3-F-U										05	3114-A26	3-F-D					
Sample	e Time	_	_				09:48						_		_				10:03						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	nit	(ppm)					(ppb)						(ppm)						(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	1			0.2	0.2	0.2	0.2		0.1
Water (,	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
ssul∉	s						NS												NS						
Analytical Resul [∉]	М	43.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	92.0	ND	ND	ND	ND	11	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
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