	Surve	ey Date												04/01	/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		ARM -	Armori	ng		Com	ments															
		ide													bb										
		Location												Armoring	Operation	ns									
Sam Loca						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distar Sou																	500 ft ²	2							
Samp	ole ID	040114-A263-E-U														04	0114-A26	3-E-D							
Sample	e Time		15:16																14:57						
		þək																			P	СВ		Φ	ne
Darameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(ppb)						(ppm)					((ppb)					
Detectio	n Limit ³	Ambient + 100	0.05			1	ı	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05	1	1	1	-	0.2	0.2	0.2	0.2	I	0.1
Water (*	0.0007	8.2	5.6	8.0	66	-	-		-	16	0.0006	*	0.0007	8.2	5.6	8.0	66			1	1	16	0.0006
esulf ⁴	s	32.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	50.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS NS																NS						
Anal	В	44.4	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	43.6	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
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 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												04/01	1/2014										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ty	,	ARM -	Armori	ng		Com	ments															
		ide													ood										
		Location												Armoring	Operation	าร									
Sam Loca					Upcu	rrent (Aı	mbien	t)										Downcur	rent						
Distan Sou					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2						
Samp	ole ID					040	114-A26	3-F-U										04	0114-A26	3-F-D					
Sample	e Time		_				13:39								_				13:21						
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
Ur	nit	(ppm)					(ppb)	1	1	*			(ppm)						(ppb)	1	4	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	-	*	0.0007	8.2	5.6	8.0	66	-	1	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	1	-	-	-	16	0.0006
esult⁴	s	41.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	42.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analı	В	46.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	49.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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- 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												04/02	2/2014										
	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							
Samp	ole ID					040	214-A26	3-E-U										04	0214-A26	3-E-D					
Sample	e Time						09:11												08:49						
		papu						2		CB 	I 6	ne	ene.	papu						~	г -	CB +		ne	ene
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(ppb)						(ppm)					(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05				ı	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05			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
esulf ⁴	s	41.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	49.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	
Analytical Result⁴	М						NS												NS						
Anal	В	43.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	49.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
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	Surve	ey Date												04/02	2/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ty	,	ARM -	Armori	ng		Com	ments															
		ide													ood										
		Location												Armoring	Operation	าร									
Sam Loca					Upcu	rrent (Aı	mbien	t)										Downcur	rent						
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					040	214-A26	3-F-U										04	0214-A26	3-F-D					
Sample	e Time	11:26													_				11:07						
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)	٩	4	٩			(ppm)						(ppb)	٩.	٩.	٩		
Detectio		Ambient +	0.05	1				0.2	0.2	0.2	0.2	1	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	1	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	1	-	-	-	16	0.0006
esult*	s	37.2 ND ND ND ND 13 ND ND ND ND ND ND ND									34.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND			
Analytical Result⁴	М						NS												NS						
Analı	В	40.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND

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

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	Surve	ey Date												04/03	3/2014										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activi	ity	,	ARM -	Armori	ng		Comr	nents															
	Т	ide													bb										
		Location												Armoring	Operation	ns									
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distar Sou		Approx. 500 - 1000 ft ¹																	500 ft ²	2					
Samp	ole ID		040314-A263-E-U															04	0314-A26	3-E-D					
Sample	e Time		08:49																08:30						
		per	Suspended Solids Solids Iercury Copper Lead Zinc Zinc Zinc Ior 1248 Or 1254 Gor 1256 Or 1260 Or 1260 Or 1260																		P	СВ	ı	o o	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyre	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(ppb)						(ppm)						(ppb)				·	
Detectio	n Limit³	Ambient + 100	0.05	-		1	-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		1	1	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					16	0.0006
esult4	s	45.2 ND ND ND ND 12 ND ND ND ND ND ND ND ND ND											49.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	
Analytical Result⁴	М		NS NS																NS						
Anal	В	48.0	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	39.6	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND

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

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	Surv	ey Date												04/03	3/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		ARM -	Armori	ng		Com	ments															
	Т	ide												Flo	bod										
		Location												Armoring	Operation	าร									
Sample Location Distance to						Upcu	rrent (A	mbien	t)									ļ	Downcur	rent					
Distar Soເ						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					040	314-A26	3-F-U										04	0314-A26	3-F-D					
Sampl	e Time						13:03												12:46						
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
Uı	nit					(ppb)						(ppm)					((ppb)						
Detectio	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	1	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			1	ı	16	0.0006
∍sult⁴	s	32.4	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	36.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	
Analytical Result ⁴	М						NS												NS						
Anal	В	35.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND

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

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	Surve	y Date												04/03	3/2014										
Tide														V - Vess	sel Based										
Tide Source Location Sample Location					- Pile i	Oriving C	- Zone		Comr	nents															
Source Location Sample															bb										
Sample Location Distance to Source														Pie	er 31										
Location Distance to						Upcu	rrent (Aı	nbien	t)									l	Downcur	rent					
						Appro	x. 500 -	1000 f	i ¹										500 ft ²	2					
Samp	le ID					040	314-P03	1-E-U										04	0314-P03	1-E-D					
Sample	e Time						10:32												09:58						
Parameter		al Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	al Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
		Total						- 1	Arc	Arc	Arc	Z	Bei	Total						`	Arc	Arc	Arc	Z	Bei
Un	iit	(ppm)					(ppb)						(ppm)					· · · · · · · · · · · · · · · · · · ·	(ppb)	1	1	1	1	
Detectio	n Limit ³	Ambient + 100	0.05	ı	ı	-	-	0.2	0.2	0.2	0.2	ŀ	0.1	Ambient + 100	0.05	ı	1	-		0.2	0.2	0.2	0.2		0.1
	/ater Quality * 0.0007 8.2					8.0	66	ı	1		ı	16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
ssult ⁴	s	47.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	38.8	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	51.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	52.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Anal	В	60.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61.2	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

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	Surve	y Date												04/03	3/2014										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	on Activi	PDC	- Pile i	Driving C	- Zone		Com	nents																
		de													ood										
		Location												Pie	er 31										
Sample Location Distance to						Upcu	rrent (A	mbien	t)									!	Downcur	rent					
Distar Sou					Appro	x. 500 -	1000 f	t ¹										500 ft	2						
Samp	le ID				040	314-P03	1-F-U										04	0314-P03	81-F-D						
Sample	e Time	040314-P031-F-U 12:10																11:39	ı						
		led							P	В		ø	ne	per							PC	СВ		Ф	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(ppb)				•		(ppm)						(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05	1	1		-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	1	1	1	-	0.2	0.2	0.2	0.2	1	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	25.6 ND ND ND ND 11 ND								ND	ND	ND	ND	28.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	32.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	34.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anal	В	34.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	42.4	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

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	Surv	ey Date												04/04	1/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity	,	ARM -	Armori	ng		Com	ments															
		ide													bb										
		Location												Armoring	Operation	ıs									
Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Dista Sou	nce to irce				Appro	x. 500 -	1000 f	t ¹										500 ft ²	2						
Samı	ole ID				040	414-A26	3-E-U										04	0414-A26	3-E-D						
Sampl	Sample Time 09:04																		08:46						
3000		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)											l	(ppm)					(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					0.2	0.2	0.2	0.2		0.1
Water Stan	Quality dard ³	*	0.0007	8.2	5.6	8.0	66	-				16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult ⁴	s	35.2 ND										ND	40.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analytical Result ⁴	М						NS												NS						
Anal	В	41.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	42.0	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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	Surve	ey Date												04/04	1/2014										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activi	ity	-	ARM -	Armori	ng		Com	nents															
	Т	ide												Flo	ood										
		Location												Armoring	Operation	าร									
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					040	414-A26	3-F-U										04	0414-A26	3-F-D					
Sample	e Time		11:37																11:18						
ž.	i	Suspended Solids	y		L			42			09	ene	rene	pepue	y		Ŀ			42	δ D(90	ene	rene
Parameter	5	Total Suspe Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	nit	(ppm)					(ppb)						(ppm)						(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05				ı	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	1	-	1	1	0.2	0.2	0.2	0.2	1	0.1
Water 0		*	0.0007	8.2	5.6	8.0	66	-	-		-	16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	1	16	0.0006
esult⁴	s	36.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	63.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	54.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	178	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												04/04	1/2014										
	Surve	у Туре										_		V - Vess	sel Based										
Co	onstructi	ion Activi	ity	PDC	- Pile i	Driving C	- Zone		Com	nents															
		ide													bb										
		Location												Pie	er 31										
	tion				Upcu	rrent (A	mbien	t)									ı	Downcur	rent						
Distance to Source Approx. 500 - 100									t ¹										500 ft ²	2					
Samp	le ID	· · · · · · · · · · · · · · · · · · ·															04	0414-P03	1-E-D						
Sample	Time		08:29																08:05						
		pep										е	ıne	pep							T T	СВ		е	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)	•					(ppm)				•		ppb)					
Detectio	n Limit³	Ambient + 100	0.05	-	1			0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	1	1	1	1	0.2	0.2	0.2	0.2	1	0.1
Water C	-	*	0.0007	8.2	5.6	8.0	66	1	1	1		16	0.0006	*	0.0007	8.2	5.6	8.0	66		-			16	0.0006
∍sult⁴	s	60.8 ND ND ND ND 10 ND ND ND ND ND									ND	ND	76.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	
Analytical Result⁴	М	88.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	82.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analy	В	105	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	76.0	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												04/05	5/2014										
	Surve											V - Vess	sel Based												
С	onstruct	ion Activi	ity		ARM -	Armori	ng		Com	ments															
	Т	ide												E	bb										
		Location												Armoring	Operation	ns									
Sample Location Distance to Source						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID				040	514-A26	3-E-U										04	0514-A26	3-E-D						
Sample	e Time	_				10:33								_				10:15							
Darameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(ppb)						(ppm)					((ppb)					
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 (-	*	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	32.8	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	43.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	
Analytical Resulf⁴	М						NS												NS						
Analy	В	M NS									ND	ND	ND	45.6	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												04/05	5/2014										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activi	ty	,	ARM -	Armori	ng		Com	ments															
	Ti	ide												Fl	ood										
		Location												Armoring	Operation	is .									
Sam Loca	tion					Upcu	rrent (A	mbient	:)										Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 ft	t ¹										500 ft ²	2					
Samp	ole ID					040	514-A26	3-F-U										04	0514-A26	3-F-D					
Sample	e Time						12:30												12:44						
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 +	0.05					0.2	0.2	0.2	0.2		0.1	Ambient +	0.05					0.2	0.2	0.2	0.2		0.1
Water (,	*	0.0007	8.2	5.6	8.0	66	1				16	0.0006	*	0.0007	8.2	5.6	8.0	66				1	16	0.0006
esul∉	s	34.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	29.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analytical Resul [≜]	М																NS								
Anal	В	39.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	31.6	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												04/07	7/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ty		ARM -	Armori	ng		Com	ments															
		ide												E	bb										
_		Location												Armoring	Operation	IS									
Sam Loca						Upcu	rrent (A	nbient	:)									ı	Downcur	rent					
Distar Sou		Approx. 500 - 1000 ft ¹																500 ft ²	2						
Samp	ole ID	040714-A263-E-U																04	0714-A26	3-E-D					
Sample	e Time		Suspended Solids Solids Solids Solids Copper Copper Cor 1248 Cor 1248 Cor 1254 Cor 1254 Cor 1256 Cor 1260 Cor 1																08:51						
		peq	Total Suspended Solids Nickel Copper Zinc Aroclor 1242 Aroclor 1248 Aroclor 1260 Aroclor 1260 Aroclor 1260 Benzo(a)pyrene																		P	СВ		ø.	ne
Darameter		Total Suspend Solids	Suspende Solids Solids Iercury Iercury Copper Copper Cor 1242 Or 1254 Or 1260 Or 1260 Or 1260 Or 1260 Or 1260												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	ı	0.1	Ambient + 100	0.05	I	1	ı	I	0.2	0.2	0.2	0.2	I	0.1
Water (•	*	0.0007	8.2	5.6	8.0	66	1	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66			1	1	16	0.0006
esult⁴	s	23.2												24.8	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	17.6	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

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

	Surve	ey Date												04/09	9/2014										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity		ARM -	Armori	ng		Com	nents															
	-	ide													bb										
		Location												Armoring	Operation	ıs									
Sam Loca	ition					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID	040914-A263-E-U															04	0914-A26	3-E-D						
Sample	e Time		opper ead opper 2 or 1242 or 1248 or 1254 or 1260 or 1																10:22						
		pep								ı	I _	<u> </u>	ene	ded							P(e	ane.
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	ı	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	1	1	1	-	0.2	0.2	0.2	0.2	1	0.1
Water (*	0.0007	8.2	5.6	8.0	66	ı	1			16	0.0006	*	0.0007	8.2	5.6	8.0	66			1	ı	16	0.0006
esult ⁴	s	22.4												16.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Anal	В	22.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.4	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

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

	Surve	ey Date												04/09	9/2014										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activ	ity	,	ARM -	Armori	ng		Comi	ments															
	Т	ide												Fle	ood										
		Location												Armoring	Operation	าร									
Sam Loca	tion					Upcu	rrent (A	mbien	t)									l	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t¹										500 ft ²	2					
Samp	ole ID		040914-A263-F-U 16:59															04	0914-A26	3-F-D					
Sample	e Time						16:59												16:43						
ŗ	i	pepu	>					12	ı	SB	00	eue	rene	papua	>		L			- 12	P(∞		g g	eue	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				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
esult4	s	25.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	23.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	20.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

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

³ Based on New York State Department of Environmental Conservation (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												04/09	/2014										
	Surve	у Туре												V - Vesse	el Based										
С	onstruct	ion Activ	ity	PDC -	- Pile D	riving - :	Zone C		Com	nents															
	Т	ide												Et	b										
		Location												Pier	31										
Loca	nple ation					Upcur	rent (An	nbient)									l	Downcur	rent					
	nce to irce				Approx	c. 500 - 1	000 ft ¹	1										500 ft ²	2						
Samı	ple ID					0409	14-P031	-E-U										04	0914-P03	1-E-D					
Sampl	e Time						09:13												08:48						
yopomorod	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
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 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
CB 8.80 ND ND					ND	ND	11	ND	ND	ND	ND	ND	ND	10.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	5.60	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
Anal	В	8.00	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	5.60	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND

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

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

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

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

	Surv	ey Date												04/09	/2014										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activ	ity	PDC -	Pile D	riving -	Zone C		Com	ments															
	Т	ide												Flo	ood										
		Location												Pie	r 31										
	nple ation					Upcur	rent (An	nbient)									l	Downcur	rent					
	nce to irce					Approx	x. 500 - ′	1000 ft	1										500 ft	2					
Sam	ole ID					0409	914-P03°	1-F-U										04	0914-P03	31-F-D					
Sampl	e Time						08:29												08:06						
	ra alliciei	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)			1		()	opb)						(ppm)						(ppb)	II.				
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
Water Stan	Quality dard ³	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult⁴	s	9.20	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	6.00	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	5.20	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	4.40	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Anal	В	5.60	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	12.0	ND	ND	ND	ND	26	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												04/09	/2014										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activ	ity	PDC -	Pile D	riving -	Zone C		Com	ments															
	Т	ide												Et	ob										
	Source	Location												Pie	r 32										
Sample Location						Upcur	rent (Ar	nbient)									ı	Downcur	rent					
Distance to Source						Approx	x. 500 - ′	1000 ft	1										500 ft ²						
Source Sample ID						0409	914-P032	2-E-U										04	0914-P03	2-E-D					
Sampl	e Time						11:37												11:12						
	rai ailletei	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)					()	opb)						(ppm)					(ppb)					
Detection	on Limit ³	Ambient + 100	0.05	ı			ı	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		I	ı	ı	0.2	0.2	0.2	0.2	ŀ	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
S 7.20 ND					ND	ND	11	ND	ND	ND	ND	ND	ND	10.8	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	9.20	ND	ND	ND	ND	44	ND	ND	ND	ND	ND	ND	8.40	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Anal	В	12.0	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	9.20	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												04/10)/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activ	ity	,	ARM -	Armori	ng		Com	ments															
	-	ide													bb										
		Location												Armoring	Operation	ıs									
San Loca	ition					Upcu	rrent (A	mbien	t)									l	Downcur	rent					
Distar Sou		Approx. 500 - 1000 ft ¹																	500 ft ²	2					
Samp	ole ID		041014-A263-E-U															04	1014-A26	3-E-D					
Sample	e Time						10:50												10:32						
Daramotor		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)			<u> </u>		(ppb)				<u> </u>		(ppm)						ppb)					
Detectio	n Limit³	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	13.2												26.0	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Analy	В	14.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	47.2	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

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	Surv	ey Date												04/10)/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity	,	ARM -	Armori	ng		Com	ments															
		ide												Fle	ood										
		Location												Armoring	Operation	าร									
Loca	nple ation					Upcu	rrent (A	mbien	t)									l	Downcur	rent					
	nce to urce				Appro	x. 500 -	1000 f	t ¹										500 ft	2						
Samı	ple ID					041	014-A26	3-F-U										04	1014-A26	3-F-D					
Sampl	e Time						08:25												08:11						
30,000	raiaiietei	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)	ppm)															·		(ppb)				·	
Detection	on Limit ³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2	-	0.1
	Quality dard ³	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66			-		16	0.0006
esult ⁴	s	9.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	12.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	28.8	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

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

	Surve	ey Date												04/11	1/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ty		ARM -	Armori	ng		Com	ments															
	Т	ide												E	bb										
		Location												Armoring	Operation	ıs									
San Loca						Upcu	rrent (A	mbient)									ı	Downcur	rent					
Distar Sou		Approx. 500 - 1000 ft ¹																	500 ft ²	2					
Samp	ole ID		041114-A263-E-U 10:14															04	1114-A26	3-E-D					
Sample	e Time						10:14											09:55							
		pel							P	СВ		0	ne	ped							P	СВ		ø.	ne
Darameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					((ppb)						(ppm)						(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05			ı		0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05	ı	1	ı	I	0.2	0.2	0.2	0.2	ı	0.1
Water of	,	*	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	29.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	19.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	27.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	20.0	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

 $^{^{\}rm 2}$ 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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⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												04/11	1/2014										
	Surve	у Туре												V - Ves	sel Based										
С	onstruct	ion Activi	ty		ARM -	Armori	ng		Com	ments															
	Т	ide												FI	ood										
		Location												Armoring	Operation	ns									
San Loca						Upcu	rrent (A	mbient	t)									l	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					041	114-A26	3-F-U										04	1114-A26	3-F-D					
Sample	e Time						08:40												08:19	1					
Daramater		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	ı	0.2	0.2	0.2	0.2	ł	0.1	Ambient + 100	0.05	1	1	ı	I	0.2	0.2	0.2	0.2	1	0.1
Water of	,	*	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	19.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	24.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Resul [∉]	М						NS												NS						
Anal	В	20.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	88.8	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

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

	Surve	ey Date												04/12	2/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ty		ARM -	Armori	ng		Com	ments															
		ide													bb										
		Location												Armoring	Operation	IS									
Sam Loca						Upcu	rrent (A	mbient	:)									I	Downcur	rent					
Distar Sou			Approx. 500 - 1000 ft ¹ 041214-A263-E-U																500 ft ²	2					
Samp	le ID					041	214-A26	3-E-U										04	1214-A26	3-E-D					
Sample	Time						11:37												11:22						
		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	I	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	1	0.1
Water 6	- 1	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esulf⁴	s	25.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	35.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	36.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	32.0	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

 $^{^{\}rm 2}$ 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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⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date		l										04/12	2/2014										
	Surve	у Туре												V - Ves	sel Based										
C	onstruct	ion Activi	ty		ARM -	Armori	ng		Com	ments															
	Т	ide												FI	ood										
		Location												Armoring	Operation	ıs									
Loca	nple ation					Upcu	rrent (A	mbient	t)										Downcur	rent					
Dista Sou	nce to Irce			Appro	x. 500 -	1000 f	t ¹										500 ft ²	2							
Sam	ole ID					041	214-A26	3-F-U										04	1214-A26	3-F-D					
Sampl	e Time						09:32												09:14						
	rai ailietei	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	1	1	0.2	0.2	0.2	0.2	1	0.1
Water Stan	Quality dard ³	*	0.0007	8.2	5.6	8.0	66	-	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	1	16	0.0006
esul ⁴	s	42.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	35.0	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Analytical Resul [∉]	М						NS												NS						
Anal	В	65.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	73.0	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

^{*} 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												04/14	1/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ity		ARM -	Armori	ng		Comi	nents															
		ide													bb										
		Location												Armoring	Operation	ns									
Sam Loca						Upcu	rrent (A	mbien	t)									l	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	!					
Samp	ole ID					041	414-A26	3-E-U										04	1414-A26	3-E-D					
Sample	e Time						12:32												12:16						
		þək							P	СВ	1	ω	ne	þeþ							PO	СВ		ø	ne
ore d		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	ı	ı	ı	1	0.2	0.2	0.2	0.2	1	0.1
Water (,	*	0.0007	8.2	5.6	8.0	66	-	-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	1		-	ı	16	0.0006
esulf ⁴	s	40.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	38.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analı	В	42.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	38.8	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												04/14	1/2014										
	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 .									
Sample Location Distance to						Upcu	rrent (A	mbient	t)										Downcur	rent					
	nce to urce					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Sam	ple ID					041	414-A26	3-F-U										04	1414-A26	3-F-D					
Sampl	le Time						09:16												09:30						
	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					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
esul [¢]	s	54.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	56.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
ytical Re	Analytical Result						NS												NS						
Anal	В	56.0	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	61.6	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												04/14	/2014										
	Surve	у Туре												V - Vess	el Based										
С	onstructi	on Activi	ty	PDC	- Pile [Driving	- Zone C		Com	ments															
		ide												Ek											
Source Location Sample Location Distance to Source Sample ID Sample Time														Pier	31										
Location Distance to Source						Upcı	urrent (Am	nbient)											Downcur	rent					
Distance to						Appr	ox. 500 - 1	000 ft ¹											500 ft ²	2					
Samp	le ID					04	1414-P031	-E-U										04	1414-P03	81-E-D					
Sample	e Time						17:09												16:46						
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)					(r	ppb)						(ppm)						(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05	1	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
esult⁴	s	37.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	63.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	45.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	56.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analı	В	134	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	72.4	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
- $^{\rm 2}$ 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
- 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												04/15	5/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ty		ARM -	Armori	ng		Com	ments															
	Т	ide												E	bb										
		Location												Armoring	Operation	ıs									
Sam Loca						Upcu	rrent (A	mbient	:)									ı	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	1										500 ft ²	2					
Samp	ole ID					041	514-A26	3-E-U										04	1514-A26	3-E-D					
Sample	e Time						13:01												13:17						
		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			1	-	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05	1	1	1	1	0.2	0.2	0.2	0.2	1	0.1
Water (,	*	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	86.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	65.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	58.8	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	105	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

 $^{^{\}rm 2}$ 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

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		l										04/15	5/2014										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ty		ARM -	Armori	ng		Com	ments															
	Т	ide												Fl	ood										
		Location												Armoring	Operation	ıs									
Loca	nple ation					Upcu	rrent (A	mbient	t)										Downcur	rent					
	Distance to Source Approx. 500 - 1000 ft ¹																		500 ft ²	2					
Sam	ple ID					041	514-A26	3-F-U										04	1514-A26	3-F-D					
Sampl	le Time		_				09:51								_				09:08						
	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				ı	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	1	1	1	1	0.2	0.2	0.2	0.2	1	0.1
	Quality dard ³	*	0.0007	8.2	5.6	8.0	66	-	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	1	16	0.0006
esul ⁴	s	63.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	65.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analytical Resul [∉]	М						NS												NS						
Anal	В	84.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	134	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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⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	y Date												04/15	/2014										
	Surve	у Туре												V - Vess	el Based										
С	Construction Activity PDC - Pile Driving - Zone C Comments Tide Source Location Sample																								
														Flo											
		Location												Pier	r 31										
Sample Location Upcurrent (Ambient) Distance to Approx. 500 - 1000 ft ¹																Downcur	rent								
																		500 ft	2						
Samp	ole ID	041514-P031-F-U																04	1514-P0	31-F-D					
Sample	e Time	_	08:29																08:51						
		led							P	СВ	ı	Φ	ne	per							P	СВ	1	ø	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(p	pb)						(ppm)				•		(ppb)				•	
Detectio	n Limit ³	Ambient + 100	0.05	-	ı	1	ı	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water 0		*	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*	s	59.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	61.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Result ⁴												ND	ND	86.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Anal	В	60.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	87.6	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
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 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												04/16	6/2014										
	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					041	614-A26	3-E-U										04	1614-A26	3-E-D					
Sample	e Time						14:08												13:51						
		pel							P	СВ		0	ne	ped							P	СВ		ø.	ne
Darameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					((ppb)						(ppm)					((ppb)					
Detectio	on Limit ³	Ambient + 100	0.05			1	-	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05	1	1	1	1	0.2	0.2	0.2	0.2	1	0.1
Water (•	*	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	114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	80.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	95.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	86.4	ND	ND	ND	ND	12	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												04/16	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					041	614-A26	3-F-U										04	1614-A26	3-F-D					
Sample	e Time		the pended the pended the																09:33	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)			<u> </u>		(ppb)		<u> </u>	<u> </u>			(ppm)		<u> </u>				(ppb)		<u> </u>	<u> </u>		
Detectio	n Limit ³	Ambient + 100	0.05	-		-	1	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05		1	1	ı	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
sulf ⁴	s	97.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	108	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М						NS												NS						
Analı	В	60.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	144	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
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 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												04/16	/2014										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activi	ty	PDC	- Pile I	Oriving	- Zone C		Com	ments															
	Т	ide												Flo	od										
		Location												Pier	31										
	ition					Upcı	urrent (An	nbient))									l	Downcur	rent					
Distar Soເ						Appr	ox. 500 - 1	000 ft ¹	I										500 ft ²	2					
Samı	ole ID				04	1614-P031	-F-U										04	1614-P03	1-F-D						
Sampl	e Time						10:22												10:47						
rotomorod		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		1	1	1	0.2	0.2	0.2	0.2	1	0.1
Water (,	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esulf	s	98.8	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	106	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	
Analytical Resul [∉]	М	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	127	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Anal	В	166	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	150	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

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

	Surve	ey Date												04/17	7/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activ	ity		ARM -	Armori	ing		Comi	ments															
		ide													bb										
		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	2					
Samp	le ID					041	714-A26	3-E-U										04	1714-A26	3-E-D					
Sample	Time						08:15												07:59						
		pər							P	СВ		a)	ne	per							PO	В		o)	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(ppb)						(ppm)					(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05			-	1	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05		1	1	1	0.2	0.2	0.2	0.2	ı	0.1
Water (,	*	0.0007	8.2	5.6	8.0	66		-	-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	1	1	16	0.0006
esulf*	s	69.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	136	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М						NS												NS						
Analı	В	80.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	165	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
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 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												04/17	7/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		ARM -	Armori	ng		Comi	ments															
	Т	ide												Fl	ood										
		Location												Armoring	Operation	าร									
Sam Loca						Upcu	rrent (A	mbien	t)									!	Downcur	rent					
	Distance to Approx. 500 - 1000 ft ¹																	500 ft ²	2						
Samp	ole ID	041714-A263-F-U															04	1714-A26	3-F-D						
Sample	e Time		11:49																11:29						
- to		pended	ury	le.)er	q	v	242			260	alene	pyrene	pended	ury	le.	er	q	v	242	248		260	alene	pyrene
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(ppb)						(ppm)						(ppb)					
Detectio	n Limit³	Ambient + 100	0.05			1	ı	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05		ı	ı	ı	0.2	0.2	0.2	0.2	ı	0.1
Water 6	-	*	0.0007	8.2	5.6	8.0	66	-	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	1	16	0.0006
sulf*	s	76.8	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	87.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	70.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	72.4	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
- -- 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												04/17	/2014										
	Surve	у Туре												V - Vess	el Based										
C	onstructi	ion Activi	ity	PDC	- Pile [Oriving	- Zone C		Com	ments															
		ide												Flo											
		Location												Pie	r 31										
Sample Location Distance to						Upcı	ırrent (An	nbient)										Downcur	rent					
Distan Sou					Appro	ox. 500 - 1	1000 ft	1										500 ft ²	2						
Samp	ole ID				041	714-P03	1-F-U										04	1714-P03	31-F-D						
Sample	e Time						12:45												12:23	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)					1)	opb)						(ppm)						(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2	-	0.1
Water 0	,	* 0.0007 8.2 5.6 8.0 66										16	0.0006	*	0.0007	8.2	5.6	8.0	66				-	16	0.0006
esult ⁴	s	62.4	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	67.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	86.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	69.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Anal	В	93.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	75.6	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

	Surv	ey Date												04/18	3/2014										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activ	ity		ARM -	Armori	ng		Com	nents															
		ide													bb										
		Location												Armoring	Operation	าร									
Loca	Sample Operation Upcurrent (Ambient)														ļ	Downcur	rent								
Distar Sou		Approx. 500 - 1000 ft ¹																500 ft ²	2						
Samp	ole ID		041814-A263-E-U															04	1814-A26	3-E-D					
Sampl	e Time		08:22 PCB 0																08:08						
j		Suspended Solids	Ž	_	ř	_		242			92	lene	yrene	s	Ž	<u> </u>	er	_		242	T	25 CB	560	lene	yrene
Darage	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				1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		ı	-		0.2	0.2	0.2	0.2	ŀ	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
esult ⁴	s	80.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	91.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Anal	В	91.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	92.4	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

⁻⁻ 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												04/18	3/2014										
	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		041814-A263-F-U															04	1814-A26	3-F-D					
Sample	e Time						09:53												09:37						
	_	pəp							ı	СВ		e e	eue	pep							T	В		e	ene
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	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	56.8	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	73.2	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	66.0	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

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												04/19)/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity		ARM -	Armori	ing		Com	ments															
		ide													bb										
		Location												Armoring	Operation	is									
San Loca	ition				Upcu	rrent (A	mbien	t)									I	Downcur	rent						
	Distance to Source Approx. 500 - 1000 ft ¹																500 ft ²	2							
Samp	ole ID		041914-A263-E-U															04	1914-A26	3-E-D					
Sampl	e Time		08:41																08:23						
Poromotor		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
		Tota												Total	_					,	Aroc	Aroc	Aroc	Na	Ben
Uı	nit	(ppm)			•		(ppb)		•				(ppm)		1			((ppb)		•		1	
Detection	n Limit ³	Ambient + 100	0.05	ı			1	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05	I	ı	ı	1	0.2	0.2	0.2	0.2	1	0.1
Water (*	0.0007	8.2	5.6	8.0	66	-	-		-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-		-	-	16	0.0006
esult4	s	62.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	84.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	NS NS																	NS						
Anal	В	68.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	82.8	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

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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												04/19	9/2014										
	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									
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		041914-A263-F-U															04	1914-A26	3-F-D					
Sample	e Time						11:16												11:00						
<u> </u>	5	pəpu						7		CB	0	aue	rene	nded						2	T	CB	0	ine	rene
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	42.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	43.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	134	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	96.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

⁻⁻ 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												04/21/	/2014										
	Surve	у Туре												V - Vesse	el Based										
C	onstructi	ion Activi	ity	PDC	- Pile I	Driving	- Zone C		Com	nents															
	T	ide												Eb	b										
		Location												Pier	· 31										
Sample Location Distance to Source						Upc	urrent (Am	nbient))									l	Downcur	rent					
					Appr	ox. 500 - 1	000 ft ¹	I										500 ft ²	2						
Samp	ole ID			04	2114-P031	-E-U										04	2114-P03	1-E-D							
Sample	e Time						08:26												07:59						
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	-	1	-	1	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05		-		I	0.2	0.2	0.2	0.2	1	0.1
Water (*	0.0007	8.2	5.6	8.0	66	ŀ	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult4	s	51.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	59.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
rtical Ro	S 51.6 ND				ND	ND	10	ND	ND	ND	ND	ND	ND	58.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anal	В	138	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND	59.2	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

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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												04/22	2/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity		ARM -	Armori	ng		Com	ments															
	Т	ide												E	bb										
	Source	Location												Armoring	Operation	ns									
Loca	nple ation					Upcu	rrent (A	mbien	t)									l	Downcur	rent					
	nce to irce				Appro	x. 500 -	1000 f	t ¹										500 ft ²	2						
Sample ID 042214-A263-E-U																04	2214-A26	3-E-D							
Sampl	Suspended Solids																	12:26							
												е	ine	pep							T T	СВ	1	Ф	ne
200		Total Suspend Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	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	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	ı	-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-		-	16	0.0006
esult ⁴	s	42.0	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	52.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Anal	В	46.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	53.6	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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⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												04/22	2/2014										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ity		ARM -	Armori	ng		Com	nents															
	Т	ide												Fle	ood										
		Location												Armoring	Operation	าร									
	rrent (A	mbien	t)									ı	Downcur	rent											
	Location Distance to Source Approx. 500 - 1000 ft ¹																	500 ft ²	2						
Samp	ole ID	+																04	2214-A26	3-F-D					
Sample	e Time		13:34																13:16						
		led	_																		PO	СВ		ø	ne
Parameter		Total Suspend Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	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			1	1	0.2	0.2	0.2	0.2	1	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	-		ı	ı	16	0.0006
esult4	s	48.4	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	56.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Analı	В	57.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	90.8	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												04/22	2/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activ	ity	PDC	- Pile I	Driving C	- Zone		Com	ments															
	T	ide												Fl	ood										
		Location												Pie	er 32										
Loca	nple ation					Upcu	rrent (A	mbien	t)									l	Downcur	rent					
	nce to ırce					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samı	Source Approx. 500 - 1000 ft ¹ Sample ID 042214-P032-F-U															04	2214-P03	32-F-D							
Sampl	e Time	_	_				14:36						_	_	_				14:08						_
		per							P	СВ	ı	Φ	ne	þər							PO	СВ	1	Ф	ne
200	רמו מוופרפ. מוופרפים	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)			8		((ppb)					
Detection	on Limit ³	Ambient + 100	0.05	1	1	1	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	1	0.1
Water Stand	Quality dard ³	*	0.0007	8.2	5.6	8.0	66	ı	1	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-		-		16	0.0006
esult ⁴	s	45.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	51.2	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
rical Re	Resulting the second of the se										49.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND			
Analy	В	54.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

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

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

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

⁻⁻ No detection limit or water quality standard

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

	Surve	ey Date												04/23	3/2014										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	on Activi	ty	PDC		Oriving C	- Zone		Comr	nents															
	Ti	de												E	bb										
		Location												Pie	er 32										
Sam Loca	tion				Upcu	rrent (A	mbien	t)									l	Downcur	rent						
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					042	314-P03	2-E-U										04	2314-P03	32-E-D					
Sample	e Time						08:40												08:19						
														peq							P	СВ			ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(ppb)	·					(ppm)						(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05	1	1	ı		0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	1	1	1		0.2	0.2	0.2	0.2		0.1
Water 0	,	*	0.0007	8.2	5.6	8.0	66	ı	ı	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
sult ⁴	s	30.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	22.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	22.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	22.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Anal	В	33.2	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND	32.8	ND	ND	4.2	ND	15	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

	Surve	ey Date												04/23	3/2014										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ity	,	ARM -	Armori	ng		Com	nents															
		ide													bb										
		Location												Armoring	Operatior	าร									
Sam 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		042314-A263-E-U 09:54															04	2314-A26	3-E-D					
Sample	e Time						09:54												09:37						
ă		nded						2		CB	0	ne	rene	papu						2	ı	CB	0	ne	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					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
esult ⁴	s	54.8	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	44.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М		NS																NS						
Analı	В	55.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	51.2	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

	Surv	ey Date												04/24	/2014										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activ	ity		ARM -	Armori	ng		Com	nents															
	Т	ide													bb										
		Location												Armoring	Operation	ns									
San Loca	ition					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distar Soເ					Appro	x. 500 -	1000 f	t ¹										500 ft ²	!						
Samp	ole ID					042	414-A26	3-E-U										04	2414-A26	3-E-D					
Sampl	e Time		_				12:49						_	_	_				12:29						
j	9	Suspended Solids	2	_	7.			142		ZB	09;	lene	yrene	ended	Z	-	Je.			:42		ZB	091	lene	yrene
otomere d		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
Uı	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	-	-	-		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	103	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	94.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Anal	В	102	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	94.4	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

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

	Surv	ey Date												04/24	1/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity	,	ARM -	Armori	ng		Com	nents															
	T	ide												Fl	ood										
		Location												Armoring	Operation	าร									
Sample Location						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distance to Source						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Sample ID						042	414-A26	3-F-U										04	2414-A26	3-F-D					
Sampl	e Time						15:27												15:46						
300	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
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	ı	ı	-	ı	0.2	0.2	0.2	0.2	ı	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	-			ı	16	0.0006
esult ⁴	s	65.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	84.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
rtical Re	ND S 65.6 ND						NS												NS						
Anal)	В	84.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	110	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

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

	Surve	ey Date												04/25	/2014										
	Surve	у Туре												V - Vess	el Based										
Construction Activity Tide Source Location Sample				PDC	- Pile [riving -	Zone C		Com	ments															
														El											
		Location												Pie	r 31										
Sample Location						Upcur	rent (Ar	nbient)									l	Downcuri	rent					
Distar Sou						Approx	x. 500 - 1	1000 ft	1										500 ft ²	!					
Samp	ole ID					0425	514-P03	1-E-U										04	2514-P03	1-E-D					
Sampl	e Time						11:07												12:52						
Deramotor	200	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Uı	nit	(ppm)		<u> </u>			(1	ppb)	<u> </u>	L				(ppm)					(ppb)					
Detectio	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
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
\$ 28.4 ND					ND	ND	12	ND	ND	ND	ND	ND	ND	28.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
/tical Re	W 22.4 M 23.4 M 36.4			ND	ND	ND	14	ND	ND	ND	ND	ND	ND	28.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anal	В	36.4	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	40.0	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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	Surv	ey Date												04/25	5/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity	PDC -	Pile D	riving -	Zone C		Com	nents															
	Т	ide												Fle	ood										
		Location												Pie	er 31										
San Loca						Upcu	rrent (A	mbien	t)										Downcur	rent					
Distance to Source						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					042	514-P03	1-F-U										04	2514-P03	31-F-D					
Sample	e Time						09:23												09:04						
Darameter	91	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
11.	ait .								Ā	₹	₹		ď							(ppb)	₹	₹	₹		ď
UI	111			I			(ppb)		1	I	I		(ppm)						(ppb)	1	1	I		1
Detection	on Limit ³	Ambient 100	0.05		1			0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	ı	ı	ı	ı	0.2	0.2	0.2	0.2	ł	0.1
	-	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult ⁴	s	19.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	24.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
ytical Re	М	36.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	93.6	ND	ND	3.1	ND	14	ND	ND	ND	ND	ND	ND
Unit (ppm) Detection Limit ³ # 0 0.05 Water Quality Standard ³ * 0.000				ND	ND	ND	13	ND	ND	ND	ND	ND	ND	112	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

	Surve	ey Date												04/25	5/2014										
	Surve	у Туре												V - Vess	sel Based										
C		on Activi	ty	,	ARM -	Armori	ng		Comr	nents															
		ide													bb										
		Location												Armoring	Operation	ns									
Sam Loca	tion				Upcu	rrent (Aı	mbien	t)									l	Downcur	rent						
Distar Sou					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2						
Samp	ole ID					042	514-A26	3-E-U										04	2514-A26	3-E-D					
Sample	e Time		14:09 PCB																13:52						
pter		Solids	ıry		er	Б		242			790	lene	yrene	sended	Ţ	- -	er	-		242	T	254 B	790	alene	yrene
Parameter		Total Susp Solid	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(ppb)						(ppm)						ppb)					
Detectio	n Limit³	Ambient + 100	0.05	ł	-	1	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
ssult4	s	62.4	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	65.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Anal	В	75.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	78.4	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

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

	Surv	ey Date												04/25	5/2014										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activ	ity		ARM -	Armori	ng		Com	ments															
	Т	ide												Fl	ood										
		Location												Armoring	Operation	าร									
San Loca						Upcu	rrent (A	mbien	t)										Downcur	rent					
Dista Sou	nce to irce					Appro	ox. 500 -	1000 f	t ¹										500 ft ²	2					
Samı	ole ID					042	514-A26	3-F-U										04	2514-A26	3-F-D					
Sampl	e Time						08:14												08:01						
3000	alailetei	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Uı	nit	(ppm)					((ppb)					•	(ppm)						(ppb)					•
Detection	on Limit ³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05	1	ı	1	-	0.2	0.2	0.2	0.2	-	0.1
Water Stan	Quality dard ³	*	0.0007	8.2	5.6	8.0	66		-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-				16	0.0006
esult⁴	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	51.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND			
ytical Re	W B 64.8 N.						NS												NS						
Anal	В	64.8	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	68.4	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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^{*} 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	y Date												04/26/	2014										
	Surve	у Туре												V - Vesse	el Based										
C	onstructi	ion Activi	ty	PDC	- Pile	Driving	- Zone C		Com	nents															
		ide												Eb											
		Location												Pier	31										
Sample Location Distance to						Upc	urrent (Am	bient)											Downcur	rent					
					Аррі	rox. 500 - 1	000 ft ¹											500 ft ²	2						
Samp	Approx. 500 - 1000 ft ¹ Sample ID 042614-P031-E-U														04	2614-P03	81-E-D								
Sample	e Time	me 11:10																	11:39						
														pel							P	СВ	1	a	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)					(p	pb)						(ppm)					((ppb)					•
Detectio	n Limit ³	Ambient + 100	0.05	ı	ı	1	ı	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2	1	0.1
Water 0	,	*	0.0007	8.2	5.6	8.0	66	ı	-	1	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-	-		16	0.0006
esult ⁴	s	16.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	25.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ytical Re	W 15.6 ND B 44.8 ND					ND	13	ND	ND	ND	ND	ND	ND	17.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analı	В	44.8	ND	ND	3.5	ND	15	ND	ND	ND	ND	ND	ND	31.6	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
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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												04/26/	/2014										
	Surve	у Туре												V - Vesse	el Based										
C	onstruct	ion Activi	ity	PDC	- Pile	Driving	- Zone C		Com	ments															
		ide												Flo											
		Location												Pier	31										
Sam Loca						Upc	urrent (Am	bient))									l	Downcur	rent					
Location Distance to Source						Appr	rox. 500 - 1	000 ft ¹	1										500 ft ²	2					
Samp	ole ID					04	2614-P031	-F-U										04	2614-P03	31-F-D					
Sample	e Time		_				10:38								_				10:04						
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)					1
Detectio	n Limit ³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water Quality Standard³ * 0.0007				8.2	5.6	8.0	66	ı	-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-		-	ı	16	0.0006
esult⁴	s	15.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	19.6	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	30.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	55.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Anal	В	39.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	71.6	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

	Surve	ey Date												04/26	6/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		ARM -	Armori	ng		Com	ments															
	Т	ide												E	bb										
Source Location Sample Location														Armoring	Operation	ns									
						Upcu	rrent (Aı	mbien	t)									I	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					042	614-A26	3-E-U										04	2614-A26	3-E-D					
Sample ID Sample Time							12:24								_				12:00						
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			-		0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		1			0.2	0.2	0.2	0.2	-	0.1
Water (-	*	0.0007	8.2	5.6	8.0	66	1	1	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	ı	16	0.0006
esulf⁴	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	66.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
ytical Ro	ND ND S 78.0 ND M M ND						NS												NS						
Analy	В	76.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	84.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (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												04/26	6/2014										
	Surve	у Туре												V - Ves	sel Based										
C	Construct	ion Activi	ty		ARM -	Armori	ng		Com	ments															
	Т	ide												FI	ood										
Source Location Sample Location														Armoring	Operation	is .									
						Upcu	rrent (A	mbient	t)										Downcur	rent					
	nce to urce					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Sam	ple ID					042	614-A26	3-F-U										04	2614-A26	3-F-D					
Sampl	le Time						08:10												07:44						
	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	-	-	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
esul [¢]	\$ 50.0 ND					ND	10	ND	ND	ND	ND	ND	ND	50.0	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
ytical Re	Analytical Result						NS												NS						
Anal	В	69.6	ND	ND	ND	ND	10	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

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

	Surve	ey Date												04/28	3/2014										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	-	ARM -	Armori	ng		Com	nents															
		ide												E	bb										
		Location												Armoring	Operation	าร									
Sample Location Distance to						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distance to Source						Appro	x. 500 -	1000 f	t¹										500 ft ²	2					
Samp	le ID					042	814-A26	3-E-U										04	2814-A26	3-E-D					
Sample	Time		13:01 PCB									_	_	_				12:48							
		þek										Ф	ne	pep							P	СВ		Ф	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)						(ppm)						ppb)					
Detec Lim		Ambient + 100	0.05				1	0.2	0.2	0.2	0.2		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	48.8	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	290	ND	ND	3.0	ND	13	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analı	В	49.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	189	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND

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- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- -- 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

	Surv	ey Date												04/28	3/2014										
	Surve	у Туре												V - Vess	sel Based										
C	ity		ARM -	Armori	ng		Com	nents																	
		ide												FI	ood										
		Location												Armoring	Operation	าร									
San Loca	nple ation					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distance to Source						Appro	ox. 500 -	1000 f	t ¹										500 ft ²	2					
Samı	ole ID					042	814-A26	3-F-U										04	2814-A26	3-F-D					
Sampl	e Time						08:57												08:42						
2000	ralalietei	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
Onit (bbw)				<u> </u>			(ppb)		<u> </u>		<u> </u>	l	(ppm)						(ppb)	1	<u> </u>			
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 Stan	Quality dard ³	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult⁴	s	73.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	82.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
ytical Re	S 73.2 ND M B 86.8 ND						NS												NS						
Analı	В	86.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	96.4	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

⁻⁻ 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												04/28	/2014										
Survey Type Construction Activity														V - Vess	el Based										
Construction Activity Tide			PDC -	Pile D	riving -	Zone C		Com	ments																
															bb										
		Location											,	Pie	r 32										
Sample Location Distance to					Upcur	rent (Ar	nbient	t)									ı	Downcur	rent						
Distar Sou						Approx	k. 500 -	1000 fi	1										500 ft ²	2					
Samp	ole ID					0428	314-P03	2-E-U										04	2814-P03	82-E-D					
Sample	e Time						14:16												13:49						
		pep							1	СВ	1	o o	ne	pep							1	СВ	1	ø	ne
Darameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					()	ppb)						(ppm)					((ppb)					
Dete Lin		Ambient + 100	0.05	-	1	ı	ı	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05			-	-	0.2	0.2	0.2	0.2	ŀ	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
\$ 26.8 ND				ND	ND	ND	11	ND	ND	ND	ND	ND	ND	28.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	28.4	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	34.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Anal	В	36.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	61.2	ND	ND	3.0	ND	14	ND	ND	ND	ND	ND	ND

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- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
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 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Survey Date														04/30	0/2014										
Survey Type					V - Vessel Based																				
Construction Activity				ARM - Armoring Comments																					
Tide				Ebb																					
Source Location					Armoring Operations																				
Sam Loca	tion	Upcurrent (Ambient)									Downcurrent														
Distar Sou		Approx. 500 - 1000 ft ¹											500 ft ²												
Sample ID		043014-A263-E-U											043014-A263-E-D												
Sample	e Time	13:56											13:40												
		þeþ							PCB			е	ne	led							_	СВ			ıne
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)	(ppm) (ppb)										(ppm) (ppb)												
Detection 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	ŀ	0.2	0.2	0.2	0.2	ŀ	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
esult ⁴	s	40.0	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	46.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS							NS											
Anal)	В	43.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	54.8	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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^{*} 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

Survey Date														04/30)/2014										
Survey Type														V - Vess	sel Based										
Construction Activity				ARM - Armoring Comments																					
Tide														Flood											
		Location			Armoring Operations																				
Sample Location				Upcurrent (Ambient)										Downcurrent											
Distance to Source		Approx. 500 - 1000 ft ¹											500 ft ²												
Sample ID		043014-A263-F-U											043014-A263-F-D												
Sample Time		08:42											09:02												
ster		Suspended Solids	ıry	- 0	er	5		242	248 DG		260	alene	oyrene	st s	ıry	-	er	a		242	248 PG		260	alene	oyrene
Parameter		Total Suspe 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
Unit		(ppm)		(ppb)										(ppm)											
Detection Limit ³		Ambient + 100	0.05	-		1	-	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05	ı	ı	1	I	0.2	0.2	0.2	0.2	1	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	ı	-		-	16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	1	16	0.0006
esult⁴	s	58.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	56.4	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS							NS											
Anal	В	62.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	103	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

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