	Surve	ey Date												01/13	3/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity		ARM -	Armori	ng		Comi	ments															
	Т	ide												E	bb										
		Location												Armoring	Operation	ns									
Sam Loca					Upcu	rrent (A	mbien	t)									I	Downcur	rent						
Distar Sou		Approx. 500 - 1000 ft ¹																500 ft ²	2						
Samp	ole ID		011314-A263-E-U															01	1314-A26	3-E-D					
Sample	e Time						13:46												13:20						
		ped							P	СВ	1	40	ne	ped							PC	СВ		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)					(ppb)						(ppm)					(ppb)					
Detectio	n Limit³	Ambient + 100	0.05	-	-	1	ı	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05	-	ı	ı	1	0.2	0.2	0.2	0.2	1	0.1
Water 6	-	*	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
esulf ⁴	s	43.2	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	39.2	ND	ND	3.1	ND	15	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Analy	В	41.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	39.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND

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

	Surve	ey Date												01/14	1/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity		ARM -	Armori	ng		Comi	ments															
		ide											E	bb											
		Location												Armoring	Operation	ns									
Sample Location						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distance to Source						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID				011	414-A26	3-E-U										01	1414-A26	3-E-D						
Sample	e Time					11:31								_				11:58							
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(oppb)	⋖	⋖	⋖		В	(ppm)						ppb)	⋖	⋖	٨		
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
esulf ⁴	s	22.0	ND	ND	3.3	ND	14	ND	ND	ND	ND	ND	ND	53.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М						NS												3NS						
Analy	В	28.0	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	61.2	ND	ND	3.1	ND	14	ND	ND	ND	ND	ND	ND

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
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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												01/14	1/2014										
	Surve	у Туре												V - Ves	sel Based										
С	onstructi	ion Activi	ty		ARM -	Armori	ng		Com	ments															
	Т	ide												FI	ood										
		Location												Armoring	Operation	ıs									
Sam 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					011	414-A26	3-F-U										01	1414-A26	3-F-D					
Sample	e Time		09:35												_				09:01						
Darameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(ppb)					•	(ppm)					((ppb)					
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	1	0.2	0.2	0.2	0.2	1	0.1
Water 6	,	*	0.0007	8.2	5.6	8.0	66	-	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	1	16	0.0006
esul [¢]	s	24.4	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	30.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analytical Resul [∉]	М						NS												NS						
Anal	В	27.2	ND	ND	3.2	ND	18	ND	ND	ND	ND	ND	ND	29.2	ND	ND	3.5	ND	16	ND	ND	ND	ND	ND	ND

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

	Surve	ey Date												01/16	6/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ty		ARM -	Armori	ng		Com	ments																
		ide Location													bb										
												Armoring	Operation	is .											
Sam Loca						Upcu	rrent (A	mbient	:)									l	Downcur	rent					
Distar Sou				Appro	x. 500 -	1000 ft	1										500 ft ²	2							
Source Sample ID						011	614-A26	3-E-U										01	1614-A26	3-E-D					
Sample	e Time					12:46												12:24							
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	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	53.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND			
ytical Re	S 56.4 N M B 55.2 N						NS												NS						
Anal	В	55.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	49.2	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

 $^{^{\}rm 2}$ Samples collected at the edge of the 500 ft mixing zone

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

⁻⁻ No detection limit or water quality standard

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

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	Surv	ey Date												01/16	6/2014										
	Surve	у Туре												V - Vess	sel Based										
C	Construct	ion Activi	ty		ARM -	Armori	ng		Com	ments															
	Т	ide												Fl	ood										
		Location												Armoring	Operation	is .									
	nple ation					Upcu	rrent (A	mbient	t)										Downcur	rent					
	nce to urce					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Sam	ple ID					011	614-A26	3-F-U										01	1614-A26	3-F-D					
Sampl	le Time						09:56												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				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 [¢]	s	57.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	77.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analytical Resul [∉]	М						NS												NS						
Anal	В	64.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	114	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

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	Surve	ey Date												01/17	7/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ty		ARM -	Armori	ng		Com	ments															
		ide													bb										
		Location												Armoring	Operation	S									
San Loca						Upcu	rrent (A	mbient	:)									ı	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 ft	1										500 ft ²	2					
Samp	ole ID					011	714-A26	3-E-U										01	1714-A26	3-E-D					
Sample	e Time						15:06												14:49						
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		<u> </u>	<u> </u>		(ppb)			<u> </u>		<u>I</u>	(ppm)					((ppb)		1	<u> </u>	l .	<u>I</u>		
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	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	77.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND			
Analytical Result⁴	М						NS												NS						
Anal	В	81.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	84.0	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

 $^{^{\}rm 2}$ 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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	Surve	ey Date												01/17	7/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi		ARM -	Armori	ng		Com	ments																
		ide													ood										
		Location												Armoring	Operation	าร									
San Loca			Upcu	rrent (A	mbien	t)										Downcur	rent								
	nce to urce				Appro	x. 500 -	1000 f	t ¹										500 ft ²	2						
Samı	ple ID				011	714-A26	3-F-U										01	1714-A26	3-F-D						
Sampl	e Time						11:26								_				10:57						
actomorac G	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)					(ppb)						(ppm)					((ppb)					
Detection	on Limit ³	Ambient + 100	0.05	ı		ı	-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	ı	ı	ı	I	0.2	0.2	0.2	0.2	ı	0.1
Water Stand	Quality dard ³	*	0.0007	8.2	5.6	8.0	66	-	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66		-			16	0.0006
ssult⁴	s	52.4	52.4 ND ND ND ND 13 ND NI									ND	ND	76.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М						NS												NS						
Analy	В	80.8	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	82.4	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

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	Surv	ey Date												01/18	3/2014										
	Surve	у Туре												V - Vess	sel Based										
C	Construct	ion Activi	ity		ARM -	Armori	ng		Com	ments															
	Т	ide												Fl	ood										
		Location												Armoring	Operation	is .									
	nple ation					Upcu	rrent (A	mbient	t)										Downcur	rent					
	nce to urce					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Sam	ple ID					011	814-A26	3-F-U										01	1814-A26	3-F-D					
Samp	le Time						11:24												10:51						
	Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
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	1	0.1
	Quality dard ³	*	0.0007	8.2	5.6	8.0	66	-	-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-				16	0.0006
esulf	s	68.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	104	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND
Analytical Resul [∉]	М						NS												NS						
Anal	В	87.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	126	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND

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

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

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

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	Surve	ey Date												01/18	3/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ty	PDC -	Pile D	riving -	Zone C		Com	ments															
		ide												E	bb										
		Location												Pie	er 32										
San Loca	ation					Upcu	rrent (Aı	mbient	:)									ı	Downcur	rent					
Distar Sou	nce to Irce					Appro	x. 500 -	1000 ft	1										500 ft ²	2					
Samp	ole ID					011	814-P03	2-E-U										01	1814-P03	2-E-D					
Sampl	e Time						15:11												14:45						
		pəpı								CB L_		Je .	ene	pəpı								СВ		e.	ene
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)					(ppb)					•	(ppm)					((ppb)					
Detection	on Limit ³	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	-1				0.2	0.2	0.2	0.2		0.1
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	20.8	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	40.8	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	35.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	35.6	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
Anal	В	42.8	ND	ND	4.5	ND	15	ND	ND	ND	ND	ND	ND	42.8	ND	ND	ND	ND	16	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

 $^{^{\}rm 2}$ 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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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												01/18	3/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ty	PDC -	Pile D	riving -	Zone C		Com	ments															
	Т	ide												Fl	ood										
		Location												Pie	er 32										
Sample Location						Upcu	rrent (A	mbient	:)									l	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 ft	t ¹										500 ft ²	2					
Samp	ole ID					011	814-P03	2-F-U										01	1814-P03	82-F-D					
Sample	e Time		_				11:57								_				13:15						
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)			i i			(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	-				16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
ssul∉	s	29.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	28.8	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
ytical Re	M 88.0 ND M 88.0 ND				ND	ND	17	ND	ND	ND	ND	ND	ND	38.8	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
Anal	В	113	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	65.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND

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

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

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

⁻⁻ No detection limit or water quality standard

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

ND = Not Detected

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

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

	Surve	ey Date												01/20)/2014										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi		ARM -	Armori	ng		Comi	ments																
Tide Source Location															bb										
Sample														Armoring	Operation	ns									
Location						Upcu	rrent (A	mbien	t)									I	Downcuri	rent					
Distance to Source						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Sample ID						012	014-A26	3-E-U										01	2014-A26	3-E-D					
Sample	e Time					16:02												15:36							
Darameter	ala	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(ppb)						(ppm)					(ppb)					
Detectio	on Limit ³	Ambient + 100	0.05			1	ı	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		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
esulť	s	64.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	89.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М						NS												NS						
Analy	В	56.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	88.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND

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	Surve	ey Date												01/20)/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	ıs									
Sam 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					012	014-A26	3-F-U										01	2014-A26	3-F-D					
Sample	e Time		10:23 PCB												_				10:05						
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	-	0.1	Ambient + 100	0.05	1	1	1	1	0.2	0.2	0.2	0.2	1	0.1
Water 6	,	*	0.0007	8.2	5.6	8.0	66	-	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	1	16	0.0006
esul [¢]	s	67.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	116	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analytical Resul [∉]	М						NS												NS						
Anal	В	77.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	127	ND	ND	ND	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														01/20/	/2014										
Survey Type				V - Vessel Based																					
Construction Activity				PDC - Pile Driving - Zone C Comments																					
Tide				Flood																					
Source Location				Pier 32																					
Sam Loca			Upcurrent (Ambient)											Downcurrent											
Distan Sou			Approx. 500 - 1000 ft ¹											500 ft ²											
Sample ID			012014-P032-F-U											012014-P032-F-D											
Sample Time			10:45											11:13											
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Unit		(ppm)	(ppb)										(ppm)	(ppm) (ppb)											
Detection Limit ³		Ambient + 100	0.05	1	ı	1	ı	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05	-	1		ı	0.2	0.2	0.2	0.2		0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	1	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
ssult⁴	s	63.2	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	67.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	75.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	71.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND
Analı	В	80.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	82.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND

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