

CHAPTER II

SECTION 4 TABLES

Table II-4.1-1a
Summary of CU Response Actions

Certification Unit (CU)	CU Size (acres)	No. of Acres Backfilled	% of CU Acreage Backfilled	Response Actions		
				No. of dredging passes	No. of Acres Capped	% of CU Acreage Capped
1	3.4	0	0%	5	3.4	100%
2	5.1	1.6	32%	4	3.4	68%
3	4.9	3.7	75%	3	1.2	25%
4	4.5	1.0	21%	3	3.6	79%
5	4.8	3.9	82%	3	0.9	18%
6	4.9	3.6	73%	3	1.3	27%
7	4.7	3.8	80%	4	1.0	20%
8	4.9	3.5	70%	4	1.5	30%
17	5.0	5.0	100%	3	0.0	0%
18	6.0	4.9	82%	3	1.1	18%
Totals:						
	48.2	30.9	64%		17.3	36%
No. of CUs dredged:				10		
No. of CUs re-dredged:				10	100%	% of CUs dredge multiple times
No. of CUs re-dredged 1x:				0	0%	% of CUs re-dredged 1x
No. of CUs re-dredged 2x:				6	60%	% of CUs re-dredged 2x
No. of CUs re-dredged 3x:				3	30%	% of CUs re-dredged 3x
No. of CUs re-dredged 4x:				1	10%	% of CUs re-dredged 4x
No of Certification Units capped:				9	90%	% of CUs capped

Table II-4.1-1b - Summary of Areas Dredged by Dredging Pass

Dredge Pass	Actual Area Dredged (acres)	Inventory Area (acres)	Other than Inventory Non-Compliant Area (acres)
Initial dredging pass	43	43	
2nd dredging pass	33	15	16
3rd dredging pass	17	7	8
4th dredging pass	4	3	2
5th dredging pass	3	2	1
Total	100	70	27

Percentage of Inventory and Other Non-Compliant Area Out of the Adjusted Design Area

Dredge Pass	Actual Area Dredged out of the Adjusted Designed Area (%)	Inventory Area (%)	Other than Inventory Non-Compliant Area (%)
Initial dredging pass	100%	100%	
2nd dredging pass	77%	35%	37%
3rd dredging pass	40%	16%	19%
4th dredging pass	9%	7%	5%
5th dredging pass	8%	5%	2%
Total	230%	70%	30%

**Table II-4.1-2
Summary of Residual Cores**

Initial Dredging Pass								
Certification Unit	Total Number of Nodes including Abandoned	Number of Nodes Sampled	Inventory Nodes	Post-dredging nodes > 6 mg/kg	Post-dredging Nodes < 6 mg/kg	Compliant Nodes	Abandoned Nodes	Number of Nodes to be Redredged
1	43	43	21	1	2	19	0	24
2	45	40	29	5	6	0	5	40
3	49	47	16	4	0	27	2	20
4	42	42	15	10	17	0	0	42
5	40	28	13	5	10	0	12	28
6	40	30	8	7	15	0	10	30
7	43	41	17	8	16	0	2	41
8	53	52	17	9	26	0	1	52
17	40	40	7	3	0	30	0	10
18	48	46	4	12	0	31	1	16

Initial Dredging Pass Percentage of Total Number of Nodes								
Certification Unit			Inventory Nodes	Post-dredging Nodes > 6 mg/kg	Post-dredging Nodes < 6 mg/kg	Compliant Nodes	Abandoned Nodes	Nodes to be Redredged
1			49%	2%	5%	44%	0%	56%
2			64%	11%	13%	0%	11%	89%
3			33%	8%	0%	55%	4%	41%
4			36%	24%	40%	0%	0%	100%
5			33%	13%	25%	0%	30%	70%
6			20%	18%	38%	0%	25%	75%
7			40%	19%	37%	0%	5%	95%
8			32%	17%	49%	0%	2%	98%
17			18%	8%	0%	75%	0%	25%
18			8%	25%	0%	65%	2%	33%
Average Results without CU1			33%	14%	21%	24%	8%	68%

Initial Dredging Pass Percentage of Number of Nodes Requiring Re-dredging								
Certification Unit			Inventory Nodes	Post-dredging Nodes > 6 mg/kg	Post-dredging Nodes < 6 mg/kg			Nodes to be Redredged
1			88%	4%	8%			100%
2			73%	13%	15%			100%
3			80%	20%	0%			100%
4			36%	24%	40%			100%
5			46%	18%	36%			100%
6			27%	23%	50%			100%
7			41%	20%	39%			100%
8			33%	17%	50%			100%
17			70%	30%	0%			100%
18			25%	75%	0%			100%
Average Results without CU1			52%	24%	24%			100%

Notes:

- 1 Numbers were obtained from GE pdf file "Certification Unit Acceptance Core Data Summary Table."
- 2 Numbers shown before capping.
- 2 CUs 1, 7 and 8 are not finalized. The numbers are preliminary.
- 3 CU-3 initial dredge numbers are different than the Total PCBs at Depth; AID Final Action Aug. 24, 2009 map provided by GE since the median for the CU is 6 ppm and hence the whole CU needs to be recharacterized. On the third dredging pass, 6 nodes were being capped.
- 4 For CU-8, second dredging pass, there are 6 locations were not sampled.

**Table II-4.1-2
Summary of Residual Cores**

Second Dredging Pass						
Certification Unit	Inventory Nodes	Post-dredging nodes > 6 mg/kg	Post-dredging Nodes < 6 mg/kg	Compliant Nodes	Abandoned Nodes	Number of Nodes to be Redredged
1	10					10
2	15	7	15	0	8	37
3	7	2	0	39	1	9
4	5	9	0	27	1	14
5	3	1	2	18	16	6
6	2	4	0	23	11	6
7	8	15	20	0	0	43
8	0	9	0	32	6	9
17	1	1	0	38	0	2
18	0	3	0	44	0	3

Second Dredging Pass Percentage of Total Number of Nodes						
Certification Unit	Inventory Nodes	Post-dredging nodes > 6 mg/kg	Post-dredging Nodes < 6 mg/kg	Compliant Nodes	Abandoned Nodes	Nodes to be Redredged
1	100%					100%
2	33%	16%	33%	0%	18%	82%
3	14%	4%	0%	80%	2%	18%
4	12%	21%	0%	64%	2%	33%
5	8%	3%	5%	45%	40%	15%
6	5%	10%	0%	58%	28%	15%
7	19%	35%	47%	0%	0%	100%
8	0%	19%	0%	68%	13%	19%
17	3%	3%	0%	95%	0%	5%
18	0%	6%	0%	94%	0%	6%
Average Results without CU1	19%	13%	9%	56%	11%	39%

Second Dredging Pass Percentage of Number of Nodes Requiring Re-dredging						
Certification Unit	Inventory Nodes	Post-dredging nodes > 6 mg/kg	Post-dredging Nodes < 6 mg/kg			Nodes to be Redredged
1	100%					100%
2	41%	19%	41%			100%
3	78%	22%	0%			100%
4	36%	64%	0%			100%
5	50%	17%	33%			100%
6	33%	67%	0%			100%
7	19%	35%	47%			100%
8	0%	100%	0%			100%
17	50%	50%	0%			100%
18	0%	100%	0%			100%
Average Results without CU1	41%	53%	13%			100%

**Table II-4.1-2
Summary of Residual Cores**

Third Dredging Pass						
Certification Unit	Inventory Nodes	Post-dredging nodes > 6 mg/kg	Post-dredging Nodes < 6 mg/kg	Compliant Nodes	Abandoned Nodes	Number of Nodes to be Redredged
1	31	2	5	0	5	38
2	2	12	0	22	9	14
3	4	0	0	44	1	4
4	1	7	0	28	6	8
5	0	3	1	19	17	4
6	2	2	1	24	11	5
7	4	2	0	36	1	6
8	0	16	0	38	1	16
17	0	0	0	40	0	0
18	0	2	0	45	1	2

Third Dredging Pass Percentage of Total Number of Nodes						
Certification Unit	Inventory Nodes	Post-dredging nodes > 6 mg/kg	Post-dredging Nodes < 6 mg/kg	Compliant Nodes	Abandoned Nodes	Nodes to be Redredged
1	72%	5%	12%	0%	12%	88%
2	4%	27%	0%	49%	20%	31%
3	8%	0%	0%	90%	2%	8%
4	2%	17%	0%	67%	14%	19%
5	0%	8%	3%	48%	43%	10%
6	5%	5%	3%	60%	28%	13%
7	9%	5%	0%	84%	2%	14%
8	0%	29%	0%	69%	2%	29%
17	0%	0%	0%	100%	0%	0%
18	0%	4%	0%	94%	2%	4%
Average Results without CU1	10%	10%	2%	66%	12%	22%

Third Dredging Pass Percentage of Number of Nodes Requiring Re-dredging						
Certification Unit	Inventory Nodes	Post-dredging nodes > 6 mg/kg	Post-dredging Nodes < 6 mg/kg	Compliant Nodes	Abandoned Nodes	Nodes to be Redredged
1	82%	5%	13%	0%	13%	100%
2	14%	86%	0%			100%
3	100%	0%	0%			100%
4	13%	88%	0%			100%
5	0%	75%	25%			100%
6	40%	40%	20%			100%
7	67%	33%	0%			100%
8	0%	100%	0%			100%
17	Not applicable					
18	0%	100%	0%			100%
Average Results without CU1	35%	59%	6%			100%

**Table II-4.1-2
Summary of Residual Cores**

Fourth Dredging Pass						
Certification Unit	Inventory Nodes	Post-dredging nodes > 6 mg/kg	Post-dredging Nodes < 6 mg/kg	Compliant Nodes	Abandoned Nodes	Number of Nodes to be Redredged
1	25	8	6	0	4	39
2	0	10	2	24	9	12
3						
4						
5						
6						
7	2	4	0	36	1	6
8	0	14	0	41	0	14
17						
18						

Fourth Dredging Pass Percentage of Total Number of Nodes Sampled						
Certification Unit	Inventory Nodes	Post-dredging nodes > 6 mg/kg	Post-dredging Nodes < 6 mg/kg	Compliant Nodes	Abandoned Nodes	Nodes to be Redredged
1	58%	19%	14%	0%	9%	91%
2	0%	22%	4%	53%	20%	27%
3						
4						
5						
6						
7	5%	9%	0%	84%	2%	14%
8	0%	25%	0%	75%	0%	25%
17						
18						
Average Results without CU1	16%	19%	5%	53%	8%	39%

Fourth Dredging Pass Percentage of Number of Nodes Requiring Re-dredging						
Certification Unit	Inventory Nodes	Post-dredging nodes > 6 mg/kg	Post-dredging Nodes < 6 mg/kg			Nodes to be Redredged
1	64%	21%	15%			100%
2	0%	83%	17%			100%
3						
4						
5						
6						
7	33%	67%	0%			100%
8						
17						
18						
Average Results without CU1	32%	57%	11%			100%

**Table II-4.1-2
Summary of Residual Cores**

Fifth Dredging Pass						
Certification Unit	Inventory Nodes	Post-dredging nodes > 6 mg/kg	Post-dredging Nodes < 6 mg/kg	Compliant Nodes	Abandoned Nodes	Number of Nodes to be Redredged
1	29	7	5	0	2	41
2						
3						
4						
5						
6						
7						
8						
17						
18						

Fifth Dredging Pass Percentage of Total Number of Nodes Sampled						
Certification Unit	Inventory Nodes	Post-dredging nodes > 6 mg/kg	Post-dredging Nodes < 6 mg/kg	Compliant Nodes	Abandoned Nodes	Nodes requiring redredging
1	67%	16%	12%	0%	5%	95%
2						
3						
4						
5						
6						
7						
8						
17						
18						
Average Results without CU1	67%	16%	12%	0%	5%	95%

Fifth Dredging Pass Percentage of Number of Nodes Requiring Re-dredging						
Certification Unit	Inventory Nodes	Post-dredging nodes > 6 mg/kg	Post-dredging Nodes < 6 mg/kg			Nodes to be Redredged
1	71%	17%	12%			100%
2						
3						
4						
5						
6						
7						
8						
17						
18						
Average Results without CU1	71%	17%	12%			100%

Table II-4.1-3
Area Summary

Initial Dredging Pass								
Certification Unit	Pass Area (acres)	Total Cores Representing Area ¹	Area represented by each core (acres)	Area represented by inventory nodes (acres)	Area represented by Residual Nodes > 6 mg/kg (acres)	Area represented by Residual Nodes < 6 mg/kg (acres)	Area represented by Compliant Nodes (acres)	Area to be dredged (acres)
1	3.28	43	0.08	1.60	0.08	0.15	1.45	1.83
2	4.18	40	0.10	3.03	0.52	0.63	0.00	4.18
3	4.77	47	0.10	1.62	0.41	0.00	2.74	2.03
4	4.01	42	0.10	1.43	0.95	1.62	0.00	4.01
5	3.67	28	0.13	1.70	0.65	1.31	0.00	3.67
6	3.74	30	0.12	1.00	0.87	1.87	0.00	3.74
7	4.13	41	0.10	1.71	0.81	1.61	0.00	4.13
8	4.45	52	0.09	1.46	0.77	2.23	0.00	4.45
17	4.90	40	0.12	0.86	0.37	0.00	3.67	1.22
18	6.00	47	0.13	0.51	1.53	0.00	3.96	2.04
Total	43	410	1.1	15	7.0	9.4	12	31
Initial Dredging Pass Percentage of Total Area								
Certification Unit				% of Total Area represented by inventory nodes	% of Total Area represented by Residual Nodes > 6 mg/kg	% of Total Area represented by Residual Nodes < 6 mg/kg	% of Total Area represented by Compliant Nodes	% of Total Area Requiring Redredging
1				49%	2%	5%	44%	56%
2				73%	13%	15%	0%	100%
3				34%	9%	0%	57%	43%
4				36%	24%	40%	0%	100%
5				46%	18%	36%	0%	100%
6				27%	23%	50%	0%	100%
7				41%	20%	39%	0%	100%
8				33%	17%	50%	0%	100%
17				18%	8%	0%	75%	25%
18				9%	26%	0%	66%	34%
Average Results without CU1				36%	16%	23%	24%	76%
Initial Dredging Pass Percentage of Area Requiring Redredging								
Certification Unit				% of Redredging Area represented by inventory nodes	% of Redredging Area represented by Residual Nodes > 6 mg/kg	% of Redredging Area represented by Residual Nodes < 6 mg/kg	% of Redredging Area represented by Compliant Nodes	% of Area Requiring Redredging
1				88%	4%	8%		100%
2				73%	13%	15%		100%
3				80%	20%	0%		100%
4				36%	24%	40%		100%
5				46%	18%	36%		100%
6				27%	23%	50%		100%
7				41%	20%	39%		100%
8				33%	17%	50%		100%
17				70%	30%	0%		100%
18				25%	75%	0%		100%
Average Results without CU1				52%	24%	24%		100%

Notes:

- 1 Core numbers were obtained from GE pdf file "Certification Unit Acceptance Core Data Summary Table."
- 2 Numbers shown before capping.
- 2 CUs 1, 7 and 8 are not finalized. The numbers are preliminary.
- 3 CU-3 initial dredge numbers are different than the Total PCBs at Depth; AID Final Action Aug. 24, 2009 map
- 4 For CU-8, second dredging pass, there are 6 locations were not sampled.
- 5 The number of cores representing each area do not include abandoned locations.

Table II-4.1-3
Area Summary

Second Dredging Pass								
Certification Unit	Pass Area (acres)	Total Cores Representing Area1	Area represented by each core (acres)	Area represented by inventory nodes (acres)	Area represented by Residual Nodes > 6 mg/kg (acres)	Area represented by Residual Nodes < 6 mg/kg (acres)	Area represented by Compliant Nodes (acres)	Area to be dredged (acres)
1	2.94	10	0.29	2.94				2.94
2	2.93	37	0.08	1.19	0.55	1.19	0.00	2.93
3	4.34	48	0.09	0.63	0.18	0.00	3.53	0.81
4	4.00	41	0.10	0.49	0.88	0.00	2.63	1.37
5	2.96	24	0.12	0.37	0.12	0.25	2.22	0.74
6	3.54	29	0.12	0.24	0.49	0.00	2.81	0.73
7	3.68	43	0.09	0.69	1.28	1.71	0.00	3.68
8	3.46	41	0.08	0.00	0.76	0.00	2.70	0.76
17	1.80	40	0.05	0.05	0.05	0.00	1.71	0.09
18	3.52	47	0.07	0.00	0.22	0.00	3.29	0.22
Total	33	360	1.10	6.6	4.5	3.1	19	14
Second Dredging Pass Percentage of Total Area								
Certification Unit				% of Total Area represented by inventory nodes	% of Total Area represented by Residual Nodes > 6 mg/kg	% of Total Area represented by Residual Nodes < 6 mg/kg	% of Total Area represented by Compliant Nodes	% of Total Area Requiring Redredging
1				100%				100%
2				41%	19%	41%	0%	100%
3				15%	4%	0%	81%	19%
4				12%	22%	0%	66%	34%
5				13%	4%	8%	75%	25%
6				7%	14%	0%	79%	21%
7				19%	35%	47%	0%	100%
8				0%	22%	0%	78%	22%
17				3%	3%	0%	95%	5%
18				0%	6%	0%	94%	6%
Average Results without CU1				21%	14%	11%	63%	43%
Second Dredging Pass Percentage of Area Requiring Redredging								
Certification Unit				% of Redredging Area represented by inventory nodes	% of Redredging Area represented by Residual Nodes > 6 mg/kg	% of Redredging Area represented by Residual Nodes < 6 mg/kg	% of Redredging Area represented by Compliant Nodes	% of Area Requiring Redredging
1				100%				100%
2				41%	19%	41%		100%
3				78%	22%	0%		100%
4				36%	64%	0%		100%
5				50%	17%	33%		100%
6				33%	67%	0%		100%
7				19%	35%	47%		100%
8				0%	100%	0%		100%
17				50%	50%	0%		100%
18				0%	100%	0%		100%
Average Results without CU1				41%	53%	13%		100%

Table II-4.1-3
Area Summary

Third Dredging Pass									
Certification Unit	Pass Area (acres)	Total Cores Representing Area1	Area represented by each core (acres)	Area represented by inventory nodes (acres)	Area represented by Residual Nodes > 6 mg/kg (acres)	Area represented by Residual Nodes < 6 mg/kg (acres)	Area represented by Compliant Nodes (acres)	Area to be dredged (acres)	
1	3.10	38	0.08	2.53	0.16	0.41	0.00	3.10	
2	2.58	36	0.07	0.14	0.86	0.00	1.58	1.00	
3	2.64	48	0.05	0.22	0.00	0.00	2.42	0.22	
4	1.01	36	0.03	0.03	0.20	0.00	0.78	0.22	
5	0.96	23	0.04	0.00	0.12	0.04	0.79	0.17	
6	0.64	29	0.02	0.04	0.04	0.02	0.53	0.11	
7	3.36	42	0.08	0.32	0.16	0.00	2.88	0.48	
8	2.01	54	0.04	0.00	0.59	0.00	1.41	0.59	
17	0.79	40	0.02	0.00	0.00	0.00	0.79	0.00	
18	0.21	47	0.00	0.00	0.01	0.00	0.20	0.01	
Total	17	393	0.44	3.3	2.2	0.47	11	5.9	
Third Dredging Pass Percentage of Total Area									
Certification Unit				% of Total Area represented by inventory nodes	% of Total Area represented by Residual Nodes > 6 mg/kg	% of Total Area represented by Residual Nodes < 6 mg/kg	% of Total Area represented by Compliant Nodes	% of Total Area Requiring Redredging	
1				82%	5%	13%	0%	100%	
2				6%	33%	0%	61%	39%	
3				8%	0%	0%	92%	8%	
4				3%	19%	0%	78%	22%	
5				0%	13%	4%	83%	17%	
6				7%	7%	3%	83%	17%	
7				10%	5%	0%	86%	14%	
8				0%	30%	0%	70%	30%	
17				0%	0%	0%	100%	0%	
18				0%	4%	0%	96%	4%	
Average Results without CU1				11%	12%	2%	75%	25%	
Third Dredging Pass Percentage of Area Requiring Redredging									
Certification Unit				% of Redredging Area represented by inventory nodes	% of Redredging Area represented by Residual Nodes > 6 mg/kg	% of Redredging Area represented by Residual Nodes < 6 mg/kg	% of Redredging Area represented by Compliant Nodes	% of Area Requiring Redredging	
1				82%	5%	13%		100%	
2				14%	86%	0%		100%	
3				100%	0%	0%		100%	
4				100%	0%	0%		100%	
5				0%	75%	25%		100%	
6				40%	40%	20%		100%	
7				67%	33%	0%		100%	
8				0%	100%	0%		100%	
17				Not applicable					
18				0%	100%	0%		100%	
Average Results without CU1				45%	49%	6%		100%	

Table II-4.1-3
Area Summary

Fourth Dredging Pass								
Certification Unit	Pass Area (acres)	Total Cores Representing Area1	Area represented by each core (acres)	Area represented by inventory nodes (acres)	Area represented by Residual Nodes > 6 mg/kg (acres)	Area represented by Residual Nodes < 6 mg/kg (acres)	Area represented by Compliant Nodes (acres)	Area to be dredged (acres)
1	2.53	39	0.06	1.62	0.52	0.39	0.00	2.53
2	0.69	36	0.02	0.00	0.19	0.04	0.46	0.23
3	0.00							
4								
5								
6								
7	0.21	42	0.00	0.01	0.02	0.00	0.18	0.03
8	0.77	55	0.01	0.00	0.20	0.00	0.57	0.20
17								
18								
Total	4.2	172	0.10	1.6	0.9	0.43	1.2	3.0
Fourth Dredging Pass Percentage of Total Area								
Certification Unit				% of Total Area represented by inventory nodes	% of Total Area represented by Residual Nodes > 6 mg/kg	% of Total Area represented by Residual Nodes < 6 mg/kg	% of Total Area represented by Compliant Nodes	% of Total Area Requiring Redredging
1				64%	21%	15%	0%	100%
2				0%	28%	6%	67%	33%
3								
4								
5								
6								
7				5%	10%	0%	86%	14%
8				0%	25%	0%	75%	25%
17								
18								
Average Results without CU1				17%	21%	5%	57%	43%
Fourth Dredging Pass Percentage of Area Requiring Redredging								
Certification Unit				% of Redredging Area represented by inventory nodes	% of Redredging Area represented by Residual Nodes > 6 mg/kg	% of Redredging Area represented by Residual Nodes < 6 mg/kg	% of Redredging Area represented by Compliant Nodes	% of Area Requiring Redredging
1				64%	21%	15%		100%
2				0%	83%	17%		100%
3								
4								
5								
6								
7				33%	67%	0%		100%
8				0%	100%	0%		100%
17								
18								
Average Results without CU1				24%	68%	8%		100%

Table II-4.1-3
Area Summary

Fifth Dredging Pass								
Certification Unit	Pass Area (acres)	Total Cores Representing Area1	Area represented by each core (acres)	Area represented by inventory nodes (acres)	Area represented by Residual Nodes > 6 mg/kg (acres)	Area represented by Residual Nodes < 6 mg/kg (acres)	Area represented by Compliant Nodes (acres)	Area to be redredged (acres)
1	3.38	41	0.08	2.39	0.58	0.41	0.00	3.38
2								
3								
4								
5								
6								
7								
8								
17								
18								
Total	3.4	41	0.08	2.4	0.6	0.41	0.00	3.4
Fifth Dredging Pass Percentage of Total Area								
Certification Unit				% of Total Area represented by inventory nodes	% of Total Area represented by Residual Nodes > 6 mg/kg	% of Total Area represented by Residual Nodes < 6 mg/kg	% of Total Area represented by Compliant Nodes	% of Total Area Requiring Redredging
1				71%	17%	12%	0%	100%
2								
3								
4								
5								
6								
7								
8								
17								
18								
Average Results without CU1				71%	17%	12%	0%	100%
Fifth Dredging Pass Percentage of Area Requiring Redredging								
Certification Unit				% of Redredging Area represented by inventory nodes	% of Redredging Area represented by Residual Nodes > 6 mg/kg	% of Redredging Area represented by Residual Nodes < 6 mg/kg	% of Redredging Area represented by Compliant Nodes	% of Area Requiring Redredging
1				71%	17%	12%		100%
2								
3								
4								
5								
6								
7								
8								
17								
18								
Average Results without CU1				71%	17%	12%		100%

Table II-4.2-1**Summary of Complete (Level 1A) and Level 2A Incomplete Cores per Certification Unit (-999a Cores Excluded)**

CU_Number	Level 1A	Level 2A	Total Number of Cores	Percent of Level 1A Cores	Percent of Level 1A & 2A Cores
1	2	11	29	7%	45%
2	27	10	58	47%	64%
3	43	14	76	57%	75%
4	37	10	60	62%	78%
5	4	9	23	17%	57%
6	7	3	29	24%	34%
7	11	6	27	41%	63%
8	30	4	51	59%	67%
9	44	3	48	92%	98%
10	25	0	32	78%	78%
11	23	6	31	74%	94%
12	27	4	40	68%	78%
13	29	3	43	67%	74%
14	22	10	40	55%	80%
15	20	12	41	49%	78%
16	35	7	46	76%	91%
17	38	3	41	93%	100%
18	50	0	52	96%	96%

Note:

^a Cores with -999 Confidence Level indicates sample with 0-2 inches segment only; no Tri+ MPA and no Depth of Contamination has been calculated.

Bold values denote CUs dredged during Phase 1 activities.

Table II-4.3-1
Comparison of Final Removal Depth, Phase 1 Design Depth and Core Depth of Contamination (All CUs)
Removal Depth Based on Mean Elevation in 3ft. Radius around Core Location

Comparison of Final Removal Depth and Phase 1 Design Depth

Core Confidence Level	Total number of Cores ¹	SSAP Locations with Removal Depth within 3 inches of the Design Surface ¹		SSAP Locations with > 3 in of Removal Beyond Design Surface		SSAP Locations with > 6 in of Removal Beyond Design Surface		SSAP Locations with > 9 in of Removal Beyond Design Surface		SSAP Locations with > 12 in of Removal Beyond Design Surface		SSAP Locations with > 15 in of Removal Beyond Design Surface	
		Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
LEVEL 1A	190	43	23%	147	77%	128	67%	113	59%	97	51%	81	43%
LEVEL 2A	63	12	19%	51	81%	49	78%	46	73%	44	70%	41	65%
LEVEL 2D	37	5	14%	32	86%	30	81%	30	81%	30	81%	28	76%
Level 2 (B, C, E, F and P)	13	0	0%	13	100%	13	100%	13	100%	12	92%	11	85%
All SSAP Cores	303	60	20%	243	80%	220	73%	202	67%	183	60%	161	53%
All SSAP excluding CU1	281	58	21%	223	79%	202	72%	184	65%	166	59%	144	51%

Comparison of Final Removal Depth and SSAP Core Depth of Contamination

Core Confidence Level	Total number of Cores ¹	SSAP Locations with Removal Depth within 3 inches of the Core DoC ¹		SSAP Locations with > 3 in of Removal Beyond Core DoC		SSAP Locations with > 6 in of Removal Beyond Core DoC		SSAP Locations with > 9 in of Removal Beyond Core DoC		SSAP Locations with > 12 in of Removal Beyond Core DoC		SSAP Locations with > 15 in of Removal Beyond Core DoC	
		Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
LEVEL 1A	183	31	17%	152	83%	133	73%	119	65%	102	56%	86	47%
LEVEL 2A	55	9	16%	46	84%	41	75%	38	69%	35	64%	35	64%
LEVEL 2D	31	4	13%	27	87%	26	84%	26	84%	25	81%	25	81%
Level 2 (B, C, E, F and P)	12	0	0%	12	100%	11	92%	9	75%	9	75%	8	67%
All SSAP Cores	281	44	16%	237	84%	211	75%	192	68%	171	61%	154	55%
All SSAP excluding CU1	261	42	16%	219	84%	193	74%	174	67%	154	59%	137	52%

Notes:

- 1) SSAP locations with removal greater than 3, 6, 9, and 12 inches beyond the design surface or the estimated core DoC are subsets of each other.
- 2) ¹ Does not include cores where undercutting was observed.
- 3) Does not include SSAP cores with clay.

Table II-4.3-2a
Comparison of Final Removal Depth, Phase 1 Design Depth and Core Depth of Contamination
(East Rogers Island)

Removal Depth Based on Mean Elevation in 3-ft Radius around Core Location

Comparison of Final Removal Depth and Phase 1 Design Depth

Core Category	Total Number of SSAP Core Locations	SSAP Locations with > 3 in of Removal Beyond Design Surface		SSAP Locations with > 6 in of Removal Beyond Design Surface		SSAP Locations with > 9 in of Removal Beyond Design Surface		SSAP Locations with > 12 in of Removal Beyond Design Surface		SSAP Locations with > 15 in of Removal Beyond Design Surface	
	Count	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category
Type 1A (complete)	109	95	87%	88	81%	78	72%	69	63%	58	53%
Type 2A ("nearly complete")	45	40	89%	38	84%	36	80%	33	73%	30	67%
Type 2D (max at core bottom)	33	24	73%	22	67%	21	64%	20	61%	19	58%
Types 2B, C, E, F, H, P, R combined	14	12	86%	12	86%	12	86%	10	71%	9	64%
All SSAP Cores	201	171	85%	160	80%	147	73%	132	66%	116	58%

Comparison of Final Removal Depth and SSAP Core Depth of Contamination

Core Category	Total Number of SSAP Core Locations	SSAP Locations with > 3 in of Removal Beyond Estimated Core		SSAP Locations with > 6 in of Removal Beyond Estimated Core		SSAP Locations with > 9 in of Removal Beyond Estimated Core		SSAP Locations with > 12 in of Removal Beyond Estimated Core		SSAP Locations with > 15 in of Removal Beyond Estimated Core	
	Count	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category
Type 1A (complete)	109	84	77%	77	71%	74	68%	67	61%	59	54%
Type 2A ("nearly complete")	45	29	64%	29	64%	29	64%	27	60%	26	58%
Type 2D ("rising" profile)	33	17	52%	17	52%	17	52%	17	52%	17	52%
Types 2B, C, E, F, H, P, R combined	14	10	71%	8	57%	8	57%	7	50%	6	43%
All SSAP Cores	201	140	70%	131	65%	128	64%	118	59%	108	54%

Table II-4.3-2b
Comparison of Final Removal Depth, Phase 1 Design Depth and Core Depth of Contamination
(West Rogers Island)

Removal Depth Based on Mean Elevation in 3-ft Radius around Core Location

Comparison of Final Removal Depth and Phase 1 Design Depth

Core Category	Total Number of SSAP Core Locations	SSAP Locations with > 3 in of Removal Beyond Design Surface		SSAP Locations with > 6 in of Removal Beyond Design Surface		SSAP Locations with > 9 in of Removal Beyond Design Surface		SSAP Locations with > 12 in of Removal Beyond Design Surface		SSAP Locations with > 15 in of Removal Beyond Design Surface	
	Count	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category
Type 1A (complete)	52	45	87%	37	71%	31	60%	26	50%	20	38%
Type 2A ("nearly complete")	22	12	55%	12	55%	12	55%	12	55%	11	50%
Type 2D (max at core bottom)	18	12	67%	11	61%	11	61%	11	61%	9	50%
Types 2B, C, E, F, H, I, P, R combined	21	21	100%	19	90%	18	86%	16	76%	14	67%
All SSAP Cores	113	90	80%	79	70%	72	64%	65	58%	54	48%

Comparison of Final Removal Depth and SSAP Core Depth of Contamination

Core Category	Total Number of SSAP Core Locations	SSAP Locations with > 6 in of Removal Beyond Estimated Core		SSAP Locations with > 6 in of Removal Beyond Estimated Core		SSAP Locations with > 9 in of Removal Beyond Estimated Core		SSAP Locations with > 12 in of Removal Beyond Estimated Core		SSAP Locations with > 15 in of Removal Beyond Estimated Core	
	Count	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category
Type 1A (complete)	52	41	79%	35	67%	27	52%	23	44%	20	38%
Type 2A ("nearly complete")	22	11	50%	9	41%	9	41%	9	41%	8	36%
Type 2D ("rising" profile)	18	9	50%	9	50%	9	50%	9	50%	8	44%
Types 2B, C, E, F, H, I, P, R combined	21	17	81%	14	67%	13	62%	10	48%	9	43%
All SSAP Cores	113	78	69%	67	59%	58	51%	51	45%	45	40%

Table II-4.3-2c
Comparison of Final Removal Depth, Phase 1 Design Depth and Core Depth of Contamination
(East Griffin Island)

Removal Depth Based on Mean Elevation in 3-ft Radius around Core Location

Comparison of Final Removal Depth and Phase 1 Design Depth

Core Category	Total Number of SSAP Core Locations	SSAP Locations with > 3 in of Removal Beyond Design Surface		SSAP Locations with > 6 in of Removal Beyond Design Surface		SSAP Locations with > 9 in of Removal Beyond Design Surface		SSAP Locations with > 12 in of Removal Beyond Design Surface		SSAP Locations with > 15 in of Removal Beyond Design Surface	
	Count	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category
Type 1A (complete)	88	43	49%	36	41%	29	33%	22	25%	16	18%
Type 2A ("nearly complete")	3	2	67%	2	67%	1	33%	1	33%	1	33%
Type 2D (max at core bottom)											
Types 2B, C, E, F, H, P, R combined	2	2	100%	1	50%	1	50%	1	50%	0	0%
All SSAP Cores	93	47	51%	39	42%	31	33%	24	26%	17	18%

Comparison of Final Removal Depth and SSAP Core Depth of Contamination

Core Category	Total Number of SSAP Core Locations	SSAP Locations with > 6 in of Removal Beyond Estimated Core		SSAP Locations with > 6 in of Removal Beyond Estimated Core		SSAP Locations with > 9 in of Removal Beyond Estimated Core		SSAP Locations with > 12 in of Removal Beyond Estimated Core		SSAP Locations with > 15 in of Removal Beyond Estimated Core	
	Count	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category	Count	Percent of SSAP Cores by Category
Type 1A (complete)	88	38	43%	29	33%	23	26%	18	20%	12	14%
Type 2A ("nearly complete")	3	1	33%	1	33%	1	33%	1	33%	1	33%
Type 2D ("rising" profile)											
Types 2B, C, E, F, H, P, R combined	2	1	50%	0	0%	0	0%	0	0%	0	0%
All SSAP Cores	93	40	43%	30	32%	24	26%	19	20%	13	14%

Table II-4.4-1a Summary of Post-Dredging Inventory Cores by Dredge Pass

Dredge Pass 1									
CU	Total Number of Sampled Locations	Cores where samples below 6 inches were analyzed		Cores where samples below 12 inches were analyzed ¹		Cores where only the top 6 inches were analyzed		Grabs	
		Total Number of Cores Analyzed	Cores with TPCB >= 1 ppm	Total Number of Cores Analyzed	Cores with TPCB >= 1 ppm	Number of Cores Analyzed	Number of Samples with TPCB >= 1 ppm	Number of Grab Samples Analyzed	Number of Samples with TPCB >= 1 ppm
1	40	35	33	29	25	1	1	4	4
2	34	28	20	26	17	0	0	6	6
3	39	22	17	22	11	15	13	2	2
4	40	40	16	36	9	0	0	0	0
5	28	13	13	11	8	7	6	8	8
6	30	10	9	4	3	10	6	10	10
7	40	36	14	29	12	0	0	1	1
8	38	18	7	15	3	19	12	1	1
17	40	11	7	10	5	29	12	0	0
18	46	17	11	17	4	28	20	1	1

Note: ¹ Subset of cores where slices deeper than six inches were analyzed

Table II-4.4-1b Summary of Post-Dredging Inventory Cores Dredge Pass

Dredge Pass 2									
CU	Total Number of Sampled Locations	Cores where samples below 6 inches were analyzed		Cores where samples below 12 inches were analyzed ¹		Cores where only the top 6 inches were analyzed		Grabs	
		Total Number of Cores Analyzed	Cores with TPCB >= 1 ppm	Total Number of Cores Analyzed	Cores with TPCB >= 1 ppm	Number of Cores Analyzed	Number of Samples with TPCB >= 1 ppm	Number of Grab Samples Analyzed	Number of Samples with TPCB >= 1 ppm
1	10	0	0	0	0	10	1	0	0
2	29	19	13	17	7	9	7	1	1
3	24	10	7	10	3	14	9	0	0
4	39	20	8	17	4	18	10	1	1
5	15	3	3	2	1	7	3	5	5
6	22	4	2	4	2	6	3	12	11
7	37	15	7	15	4	21	18	1	1
8	18	5	3	4	0	12	10	1	1
17	10	0	0	0	0	11	10	0	0
18	12	0	0	0	0	18	12	0	0

Note: ¹ Subset of cores where slices deeper than six inches were analyzed

Table II-4.4-1c Summary of Post-Dredging Inventory Cores Dredge Pass

Dredge Pass 3									
CU	Total Number of Sampled Locations	Cores where samples below 6 inches were analyzed		Cores where samples below 12 inches were analyzed ¹		Cores where only the top 6 inches were analyzed		Grabs	
		Total Number of Cores Analyzed	Cores with TPCB >= 1 ppm	Total Number of Cores Analyzed	Cores with TPCB >= 1 ppm	Number of Cores Analyzed	Number of Samples with TPCB >= 1 ppm	Number of Grab Samples Analyzed	Number of Samples with TPCB >= 1 ppm
1	35	31	29	21	19	0	0	4	4
2	22	8	3	8	1	11	10	3	3
3	10	0	0	0	0	10	8	0	0
4	3	0	0	0	0	3	3	0	0
5	7	0	0	0	0	6	6	1	1
6	4	0	0	0	0	2	2	2	2
7	30	5	3	4	1	24	11	1	1
8	17	6	4	6	4	10	9	2	2
17	5	0	0	0	0	5	3	0	0
18	1	0	0	0	0	1	0	0	0

Note: ¹ Subset of cores where slices deeper than six inches were analyzed

Table II-4.4-1d Summary of Post-Dredging Inventory Cores Dredge Pass

Dredge Pass 4									
CU	Total Number of Sampled Locations	Cores where samples below 6 inches were analyzed		Cores where samples below 12 inches were analyzed ¹		Cores where only the top 6 inches were analyzed		Grabs	
		Total Number of Cores Analyzed	Cores with TPCB >= 1 ppm	Total Number of Cores Analyzed	Cores with TPCB >= 1 ppm	Number of Cores Analyzed	Number of Samples with TPCB >= 1 ppm	Number of Grab Samples Analyzed	Number of Samples with TPCB >= 1 ppm
1	36	27	25	16	15	3	3	6	6
2	6	0	0	0	0	6	6	0	0
3									
4									
5									
6									
7	1	0	0	0	0	1	1	0	0
8	11	0	0	0	0	10	9	1	1
17									
18									

Note: ¹ Subset of cores where slices deeper than six inches were analyzed

Table II-4.4-1e Summary of Post-Dredging Inventory Cores Dredge Pass
Dredge Pass 5

CU	Total Number of Sampled Locations	Cores where samples below 6 inches were analyzed		Cores where samples below 12 inches were analyzed ¹		Cores where only the top 6 inches were analyzed		Grabs	
		Total Number of Cores Analyzed	Cores with TPCB >= 1ppm	Total Number of Cores Analyzed	Cores with TPCB >= 1ppm	Number of Cores Analyzed	Number of Samples with TPCB >= 1 ppm	Number of Grab Samples Analyzed	Number of Samples with TPCB >= 1 ppm
1	28	25	24	17	32	0	0	4	4
2									
3									
4									
5									
6									
7									
8									
17									
18									

Note: ¹ Subset of cores where slices deeper than six inches were analyzed

Table II-4.6-1. Summary Statistics for Probing Depths Based on Sampling Site Classes

CU	Probing Depth at Successful Coring Sites (inch)						
	N	Average	Median	Min	Max	Std Dev	Std Err
1	134	45	48	12	102	16	1.4
2	91	47	48	0	112	29	3.0
3	81	53	56	2	96	21	2.3
4	85	40	48	0	72	18	1.9
5	36	33	27.5	12	84	18	2.9
6	32	28	24	6	66	18	3.1
7	110	41	37.5	12	100	17	1.6
8	94	45	48	12	96	18	1.9
17	56	61	54	22	132	24	3.2
18	65	64	66	18	114	18	2.3
Total	784	47	48	0	132	22	0.77

CU	Probing Depth at Grab Sample Sites (inch)						
	N	Average	Median	Min	Max	Std Dev	Std Err
1	18	31	39	2	60	21	5
2	10	28	5	0	72	33	10
3	2	22	22	14	30	11	8
4	1	36	36	36	36	.	.
5	14	17	8	2	84	22	6
6	24	11	5	0	72	17	4
7	3	40	48	6	66	31	18
8	6	16	6	3	48	18	8
17	0						
18	1	90	90	90	90		
Total	79	22	8	0	90	24	2.69

CU	Probing Depth at Abandoned Sites (inch)						
	N	Average	Median	Min	Max	Std Dev	Std Err
1	11	31	48	2	48	22	7
2	12	42	48	0	96	34	10
3	2	36	36	0	72	51	36
4	6	15	15	4	30	12	5
5	21	9	4	0	56	14	3
6	16	5	5	0	19	4	1
7	3	18	0	0	54	31	18
8	2	33	33	6	60	38	27
17	0						
18	0						
Total	73	19	5	0	96	24	2.85

**Table II-4.7-1
Summary of Dredge Pass Completion and Post-Dredging Core Collection Dates**

CU	Dredging Pass	Pass Completion Date (Date of Final Bathymetric Survey) ¹	Final Day of Dredging (dredging pass ends) ²	Dates of Associated Post-Dredging Core Collection ³	No. of Days between Post-Dredging Core Collection and Completion of Associated Dredge Pass ⁴	Post-Dredging Core Collection Initiated prior to Dredge Pass Completion?	Length of Post-Dredging Coring Period (days)	No. of Days of Core Collection Beyond Dredging Pass Completion	Post-Dredging Core Collection within One Day of Dredge Pass Completion?
1	First	6/29, 7/15	6/28, 7/14	6/30, 7/16-17, 8/6	1 to 22 days after		37	22	
	Second	8/5, 8/17	8/4; 8/18	none collected	--				
	Third	9/11, 9/20, 9/19	9/10; 9/19; 9/18	9/11, 9/18, 9/21-22	2 days before to 3 days after	Yes	12	3	
	Fourth	10/16	10/15	10/8, 10/14-16	8 days before to day of	Yes	9	0	Yes
	Fifth	10/25, 10/27	10/24; 10/25; 10/26; 10/27	10/15-16, 10/25, 10/27-28	10 days before to 1 day after	Yes	14	1	Yes
2	First	7/21	7/20	7/25, 7/27-28	4 to 7 days after		4	7	
	Second	9/2	9/1	9/3-5	1 to 3 days after		3	3	
	Third	9/24	9/23	9/24-25	Day of to 1 day after	Yes	2	1	Yes
	Fourth	10/8	10/8	10/3, 10/8	5 days before to day of	Yes	6	0	Yes
3	First	8/9	8/8	8/12-14, 8/17	3 to 8 days after		6	8	
	Second	9/19	9/18	9/19-20	Day of to 1 day after	Yes	2	1	Yes
	Third	10/8	10/8	10/8	Day of	Yes	1	0	Yes
4	First	9/27	9/27	9/26-28	1 day before to 1 day after	Yes	3	1	Yes
	Second	10/22	10/21	10/14, 10/19-21	1 to 8 days before	Yes	8	0	Yes
	Third	10/27	10/26	10/28	1 day after		1	1	Yes
5	First	7/15	7/14	7/22-23	7-8 days after		2	8	
	Second	8/28	8/27	8/29	1 day after		1	1	Yes
	Third	9/16	9/12	9/14	2 days after		1	2	
6	First	7/28	7/28	7/29-30	1-2 days after		2	2	
	Second	9/6	9/5	9/9	3 days after		1	3	
	Third	9/24	9/23	9/24-25	Day of and 1 day after	Yes	2	1	Yes
7	First	8/9	8/8	8/10-12	1-3 days after		3	3	
	Second	9/16	9/11	9/15-16	1 day before to day of	Yes	2	0	Yes
	Third	10/12	10/11	10/3, 10/11-12	9 days before to day of	Yes	10	0	Yes
	Fourth	10/18	10/17	10/18-19	Day of to 1 day after	Yes	2	1	Yes
8	First	8/21	8/20; 9/2	8/14, 8/17-18, 8/21, 8/24, 9/4-5	7 days before to 15 days after	Yes	23	15	
	Second	9/20	9/17; 9/19	9/19, 9/21	1 day before to 1 day after	Yes	3	1	Yes
	Third	10/13	10/13	10/10, 10/12-13	3 days before to day of	Yes	4	0	Yes
	Fourth	10/25	10/24	10/22, 10/24	1 to 3 days before	Yes	3	0	Yes
17	First	7/22	7/21	7/9-10, 7/13, 7/24	13 days before to 2 days after	Yes	14	2	
	Second	8/26	8/25	8/28	2 days after		1	2	
	Third	9/15	9/14	9/16	1 day after		1	1	Yes
18	First	9/24	9/19; 9/23	9/21-23, 9/25	3 days before to one day after	Yes	5	1	Yes
	Second	10/23	10/23	10/20, 10/22-23	3 days before to day of	Yes	4	0	Yes
	Third	10/25	10/24	10/25	Day of	Yes	1	0	Yes
Total No. of post-dredging core collection events:									
Number of events where core collection began prior to dredge pass completion:									
Number of events where core collection was completed within one day of dredge pass completion:									
							Length of Entire Coring Period (days)	Number of Days Beyond Dredge Pass Completion	
						Average	5.7	2.7	
						Median	3	1	
						Minimum	1	0	
						Maximum	37	22	

Notes:

1 - Multiple surveys were performed in CU 1 based on subunit dredged. The dates listed above are associated with each subunit as follows:

Pass	Subunit CU 1-1	Subunit CU 1-2	Subunit CU 1-3	Subunit CU 1-4
First	6/29		7/15	
Second	8/5		8/17	
Third	9/11	9/20		9/19
Fourth			10/15	
Fifth	10/25		10/27	

2 - When multiple dates are given, they represent completion of major subunits within the CU.

3 - Collection dates taken from weekly Residuals data export.

4 - "before" refers to before dredge pass completion while "after" refers to post Dredge pass completion

5 - The completion date for post-dredging core collection events performed in CU-4 after Pass 2 and in CU-8 after Pass 4 indicated that these events were finished prior to the final verification survey performed for that pass. This discrepancy is likely due to an error in the data sources used during this evaluation.

**Table II-4.9.2-2
Residuals Core Locations Sampled Beyond the Specified 10-foot Buffer Limit**

Grid Node ID (Sampling Location)	Core ID	Dredging Pass	Distance from First Pass Residuals Core (feet)
SRN-CU001-002	SRC-CU001-SI000002	Second Inventory	14
SRN-CU005-006	SRC-CU005-SI000006	Second Inventory	14
SRN-CU005-010	SRC-CU005-SI000010	Second Inventory	14
SRN-CU001-027	SRC-CU001-TR000027	Third Residual	16
SRN-CU008-044	SLC-CU008-FR000004	First Residual	17
SRN-CU004-032	SRC-CU004-FR000032	First Residual	20
SRN-CU008-008	SRC-CU008-SR000008	Second Residual	24
SRN-CU002-043	SLC-CU002-FR000003	First Residual	26
SRN-CU002-042	SLC-CU002-FR000002	First Residual	29
SRN-CU005-022	SRC-CU005-FR000022	First Residual	29
SRN-CU002-041	SLC-CU002-FR000001	First Residual	32
SRN-CU001-013	SRC-CU001-TR000013	Third Residual	43
SRN-CU008-040	SRC-CU008-FR000040	First Residual	53
SRN-CU008-045	SLC-CU008-FR000005	First Residual	75
SRN-CU008-045	SLC-CU008-SR000005	Second Residual	80