APPENDIX A

FIELD PROCEDURES

PROCEDURE FOR SAMPLING EQUIPMENT DECONTAMINATION

This procedure describes the general method to be used for decontamination of sampling devices that are re-used, such as water level indicators or sampling pumps. The purpose of decontamination is to remove all solid and liquid residues from prior samples before taking a new sample.

PRIOR PROCEDURES REQUIRED

- None

EQUIPMENT REQUIRED

- Metal wash tub
- Boot sprayer
- Distilled water
- Detergent
- Sample gloves
- Paper towels
- Trash bag
- Knife or scissors
- Plastic sheeting

PROCEDURE

1. Don sample gloves, use knife or scissors to detach all sample string, and completely disassemble the sampling device.
2. Place device in tub, with a small amount of detergent and distilled water.
3. Scrub all parts with detergent and distilled water to remove visible solid residues.
4. Run detergent and water through interior of sampling equipment.
5. Remove equipment and rinse off detergent with distilled water.
6. Place equipment on clean plastic sheeting.
7. Dry equipment with paper towels, or allow to air dry.
8. Place all solid waste (sampling gloves, paper towels, string, etc.) into trash bag, to return to PBRF. Discard water on ground.

PROCEDURE FOR GEOPROBE DUAL-TUBE SAMPLING

This procedure is for sampling soils using Geoprobe tools, and a manual or powered driving device.

PRIOR PROCEDURES REQUIRED

- Sampling Equipment Decontamination

EQUIPMENT REQUIRED

- Clear 60" Geoprobe sampling tubes
- One red and one black sampling tube end caps
- 60" Geoprobe dual-tube sampler
- Geoprobe adapter from sampler to 1" drill rod
- Geoprobe drive cap
- 3' long by 1" diameter drill rods
- Manual driver, or hydraulic probe driver
- Tape measure
- Hacksaw
- Field notebook, Sharpie fine point marker
- Waterproof duct tape

PROCEDURE

For each 60-inch depth sampled, the following steps will be performed.

1. Assemble sampler by inserting inner plastic tube inside outer steel tube
2. Drive sampler into sediment
3. Extract inner plastic tube, with sample inside
4. Cut off tube to length of recovered sample ends with decontaminated hacksaw
5. Cap the top of the tube with a black cap, bottom with a red cap
6. Label tube with sample location and depth interval
7. Measure down 6" from top of sample and mark with Sharpie. Measure down 12" from that mark and make another mark. Continue making marks every 12" for the remaining core.
8. Tape the end caps to limit leakage
9. Record observations in field notebook

PROCEDURE FOR VIBRACORE SAMPLING

Sampling of soft sediments from a depth of 0-10 feet may be accomplished with a vibracore setup, involving a large-diameter (3-inch) aluminum tube, top caps to create a sample-retaining suction, and a vibration-inducing driver. The sampling tube will be driven to refusal or a maximum depth of 10 feet (120 inches). Sample recovery will be determined as length of sample recovered divided by length driven.

PRIOR PROCEDURES REQUIRED

- Sampling Equipment Decontamination

EQUIPMENT REQUIRED

- Clean, new aluminum sampling tubes, 3-inch diameter by 10-foot length
- Two end caps per sample
- Backpack-style gasoline-powered concrete consolidation vibrator
- Gasoline-powered auger driver
- Sharpie fine point marker
- Tape measure
- Hacksaw

PROCEDURE

The following steps will be involved in driving and retrieving the core:

1. Assemble sampler by clamping vibrator to top of tubing
2. Vibrate sampler into soft sediment, until refusal or full-tube depth is reached.

If surface freezing or surface roots impede the vibrocore device, take the following steps:

3. Attach short section of tubing to power auger.
4. Spin tubing into resistant soil until resistant section is passed. Stop at 6" or 18"if possible.
5. Remove short tube, cap both ends, and handle as any other sample.
6. Resume use of vibracore [or Geoprobe] device.

With vibracore device, continue as follows:

7. After driving to total depth, measure depth to top of sample, inside tube.
8. Place end cap on top of tubing, to create an airtight seal.
9. Pull tube out of ground (typically involves 3 people, pulling up with pipe wrenches, may be done with mechanical equipment, if access is possible).
10. Place a cap on bottom end of tube (if sampling in water, put bottom cap on while tube end is still under the water surface, to maintain suction).

11. Remove top cap, again measure distance to top of sample, to determine if sample loss occurred during tube extraction.
12. Cut tubing to length of sample with decontaminated hacksaw; replace top cap.
13. Label the tube with sample location, depth interval, and "TOP".
14. Measure down 6" from top of sample and mark with Sharpie. Measure down 12" from that mark and make another mark. Continue making marks every 12" down to 54".
15. Record observations in field notebook.

APPENDIX B

LABORATORY RESULTS

(Provided as a separate computer file named 310FloodplainResultsSpreadsheet_18Mar08.xls)

18-Mar-08

FP1-1

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	0.358	0.088	#	36.51	0.131	0.139	OK		
3-6									
6-9									
9-12	<	0.121	B<						
12-15									
15-18									
18-21									
21-24	~~0.137~~	0.101	#	**63.25**	0.087	**-0.051**	NO		
24-27									
27-30									
30-33									
33-36	<	0.092	B<						
36-39									
39-42									
42-45									
45-48	<	0.093	B<						
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-71.5									
71.5-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

= Vibracore

= GeoProbe

DETECTIONS ARE COLOR-CODED AS FOLLOWS:

IN TOP 6 INCHES

IN MID-CORE

AT BOTTOM OF CORE

18-Mar-08

FP1-2

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	~~0.152~~	0.093	#	**57.74**	0.088	**-0.029**	NO		
3-6									
6-9									
9-12	~~0.135~~	0.083	#	**57.74**	0.078	**-0.026**	NO		
12-15									
15-18									
18-20									
20-24	0.291	0.089	#	40.82	0.119	0.083	OK		
24-27									
27-30									
30-33									
33-36	~~0.136~~	0.084	#	**57.74**	0.079	**-0.027**	NO		
36-39									
39-42									
42-45									
45-48									
48-51	<	0.085	B<						
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-80									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

18-Mar-08

FP1-3

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3									
3-6	0.254	0.11	#	48.51	0.123	0.021	OK		
6-9									
9-12									
12-15	0.282	0.086	#	40.82	0.115	0.081	OK		
15-18									
18-21									
21-24									
24-27	<	0.086	B<						
27-30									
30-33									
33-36									
36-39	<	0.105	B<						
39-42									
42-45									
45-48									
48-51									
51-54	<	0.123	B<						
54-57									
57-58.5									
58.5-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP1-4

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3									
3-6	<	0.167	B<						
6-9									
9-12									
12-15	~~0.203~~	0.1	#	**51.64**	0.105	**-0.002**	NO		
15-18									
18-21									
21-24									
24-27	0.348	0.111	#	41.7	0.146	0.091	OK		
27-30									
30-33									
33-36									
36-39	<	0.096	B<						
39-42									
42-45									
45-48									
48-51	~~0.11~~	0.09	#	**66.67**	0.073	**-0.053**	NO		
51-54									
54-57									
57-60									
60-63									
63-64.5									
64.5-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-85									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP1-5

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3									
3-6	<	0.236	B<						
6-9									
9-12									
12-15	<	0.079	B<						
15-18									
18-21									
21-24									
24-27	<	0.114	B<						
27-30									
30-33									
33-36	~~0.08~~	0.074	#	**70.71**	0.057	**-0.051**	NO		
36-38.25									
38.25-42									
42-45									
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP1-6

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	0.377	0.065	#	30.5	0.116	0.196	OK		
3-6									
6-9	0.463	0.079		30.5	0.142	0.242			
9-12									
12-15									
15-18									
18-21	<	0.097	B<						
21-24									
24-27									
27-30									
30-33									
33-36									
36-39									
39-42									
42-45									
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP1-7

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3									
3-6	<	0.401	B<						
6-9									
9-12									
12-15	~~0.124~~	0.076	#	**57.74**	0.072	**-0.024**	NO		
15-18									
18-21									
21-24									
24-27	~~0.067~~	0.083	#A	**81.65**	0.055	**-0.071**	NO		
27-30									
30-33									
33-36									
36-39	<	0.088	B<						
39-41									
41-45									
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP1-8

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	~~0.2~~	0.098	#	**51.64**	0.104	**-0.002**	NO		
3-6									
6-9									
9-12									
12-15	~~0.069~~	0.085	#A	**81.65**	0.056	**-0.072**	NO		
15-18									
18-21									
21-23.5									
23.5-27									
27-30									
30-33									
33-36									
36-39									
39-40									
42-45									
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP1-9

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	~~0.176~~	0.087	#	**51.64**	0.091	**-0.002**	NO		
3-6									
6-9									
9-12									
12-15	0.165	0.071		48.51	0.08	0.014			
15-18									
18-19									
19-24									
24-27									
27-30									
30-33									
33-36									
36-39									
39-42									
42-45									
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP2-1A

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	0.816	0.194	#	35.92	0.294	0.328	OK		
3-6									
6-9									
9-12	<	0.252	B<						
12-15									
15-18									
18-21	<	0.136	B<						
21-24.25									
24.25-27									
27-30									
30-33									
33-36									
36-39									
39-42									
42-45									
45-48									
48-51									
51-54									
54-57									
57-60									
60-63	Co-located with FP2-1B								
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP2-1B

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	0.553	0.102		31.62	0.176	0.275			
3-6									
6-9	0.184	0.084	#	50	0.092	0.008	OK		
9-12									
12-15									
15-18									
18-21	<	0.088	B<						
21-24									
24-27									
27-30									
30-33									
33-35									
36-39	Co-located with FP2-1A								
39-42									
42-45									
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP2-2

Depth (inches)	Samples After Processing	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	0-6	0.814	0.109	#	26.97	0.221	0.484	OK		
3-6										
6-9										
9-12	6-18	1.075	0.13		25.61	0.277	0.668			
12-15										
15-18										
18-21										
21-24										
24-25	18-30	<	0.098	B<						
25-30										
30-33										
33-35										
35-39										
39-42	30-42	~~0.119~~	0.146	#A	**81.65**	0.097	**-0.124**	NO		
42-45										
45-47										
47-51										
51-54	42-51.5	<	0.156	B<						
54-56.5										
56.5-60										
60-63										
63-66										
66-69										
69-72										
72-75										
75-78										
78-80										
81-84										
84-87										
87-90										
90-93										
93-96										
96-99										
99-102										
102-105										
105-108										
108-111										
111-114										
114-117										
117-120										

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FP2-3

Depth (inches)	Samples After Processing	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	0-6	1.731	0.104		18.11	0.318	1.309			
3-6										
6-9	6-18	0.269	0.086	#	41.7	0.112	0.071	OK		
9-12										
12-15										
15-18										
18-21	18-30	~~0.106~~	0.112	#A	**75.59**	0.08	**-0.086**	NO		
21-24										
24-27										
27-30										
30-33	30-42	<	0.105	B<						
33-36										
36-39										
39-42										
42-45	42-54	<	0.096	B<						
45-48										
48-49										
49-54										
54-57										
57-58										
58-63										
63-66										
66-69										
69-72										
72-75										
75-77.5										
77.5-81										
81-84										
84-87										
87-90										
90-93										
93-96										
96-99										
99-102										
102-105										
105-108										
108-111										
111-114										
114-117										
117-120										

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FP2-4

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	QC (pCi/g)
0-3	0.224	0.091	#	47.14	0.106	0.027	OK		0.279
3-6									
6-9									
9-12	<	0.093	B<						<MDA(0.084)
12-15									
15-18									
18-21									
21-24	<	0.087	B<						<MDA(0.091)
24-27									
27-30									
30-33									
33-36	<	0.089	B<						<MDA(0.086)
36-39									
39-42									
42-45									
45-48	<	0.076	B<						~~0.084~~
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-86									
86-89									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP2-5

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	0.325	0.104	#	41.7	0.136	0.085	OK		
3-6									
6-9	0.694	0.121	#	27.52	0.192	0.381	OK		
9-12									
12-15									
15-18									
18-21	~~0.066~~	0.07	#A	**75.59**	0.05	**-0.054**	NO		
21-24									
24-27									
27-30									
30-33	<	0.111	B<						
33-36									
36-39									
39-42									
42-45	<	0.076	B<						
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP2-6

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	~~0.103~~	0.084	#	**66.67**	0.069	**-0.05**	NO		
3-6									
6-9									
9-12	<	0.123	B<						
12-15									
15-18									
18-21									
21-24	<	0.132	B<						
24-27									
27-30									
30-33									
33-36	<	0.07	B<						
36-38									
38-42									
42-43									
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

18-Mar-08

FP2-7

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	QC (pCi/g)
0-3	~~0.038~~	0.07	#A	**100**	0.038	**-0.07**	NO		~~0.132~~
3-6									
6-9									
9-12	~~0.079~~	0.065	#	**66.67**	0.053	**-0.039**	NO		~~0.083~~
12-15									
15-18									
18-21									
21-24	~~0.107~~	0.071	#	**60.3**	0.065	**-0.029**	NO		<MDA(0.073)
24-27									
27-30									
30-33									
33-36	<	0.099	B<						<MDA(0.081)
36-39									
39-42									
42-45									
45-48									
48-51	<	0.077	B<						<MDA(0.082)
51-54									
54-55									
55-60									
60-63									
63-64									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP3-1

Depth (inches)	Samples After Processing	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)	STL Result (Cs-137)	MDA (pCi/g)
0-3	0-6	0.767	0.093		25.61	0.198	0.476					
3-6												
6-9	6-18	0.382	0.094		36.51	0.14	0.148					
9-12												
12-15												
15-18												
18-21	18-30	<	0.088	B<								
21-24												
24-27												
27-30												
30-33	30-36.5	~~0.075~~	0.092	#A	**81.65**	0.061	**-0.078**	NO				
33-36												
36-36.5												
36.5-42												
42-44												
44-48	36.5-42	Not Analyzed										
48-49.5												
49.5-54	42-54										<	0.15
54-56												
56-60												
60-61.5												
61.5-66												
66-67												
67-72												
72-75												
75-78												
78-79												
81-84												
84-87												
87-90												
90-93												
93-96												
96-99												
99-102												
102-105												
105-108												
108-111												
111-114												
114-117												
117-120												

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FP3-2

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	1.277	0.103		20.97	0.27	0.904			
3-6									
6-9	0.549	0.109		32.88	0.181	0.259			
9-12									
12-15									
15-18									
18-21	<	0.105	B<						
21-24									
24-27									
27-30									
30-33	~~0.121~~	0.081	#	**60.3**	0.073	**-0.033**	NO		
33-36									
36-39									
39-42									
42-45	<	0.079	B<						
45-48									
48-48.5									
48.5-54									
54-55									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP3-3

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	0.904	0.106	#	25.2	0.23	0.568	OK		
3-6									
6-9									
9-12	<	0.092	B<						
12-15									
15-18									
18-21									
21-24	<	0.105	B<						
24-27									
27-30									
30-33									
33-36									
36-39	<	0.072	B>						
39-42									
42-45									
45-46.5									
46.5-51									
51-54									
54-57									
57-60									
60-63									
63-65									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP3-4

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	1.178	0.122		20.11	0.239	0.817			
3-6									
6-9	3.547	0.08		11.08	0.408	3.059			
9-12									
12-15									
15-18									
18-21	2.57	0.077		12.75	0.336	2.157			
21-24									
24-27									
27-30									
30-33	1.288	0.086		19.07	0.249	0.953			
33-36									
36-39									
39-42									
42-45	0.214	0.075	#	43.64	0.094	0.045	OK		
45-48									
48-51									
51-52									
52-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP3-5

Depth (inches)	Samples After Processing	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)	STL Result (Cs-137)	MDA (pCi/g)
0-3	0-6	0.538	0.099		31.62	0.171	0.268					
3-6												
6-9	6-18										<	0.19
9-12												
12-15												
15-18												
18-21	18-30	<	0.106	B<								
21-24												
24-27												
27-30												
30-32	30-42	<	0.078	B<								
32-36												
36-39												
39-42												
42-45	42-54	~~0.142~~	0.116	#	**66.67**	0.095	**-0.069**	NO				
45-48												
48-51												
51-52												
52-57												
57-60												
60-63												
63-64												
64-69												
69-70.5												
70.5-75												
75-78												
78-81												
81-84												
84-87												
87-90												
90-93												
93-96												
96-99												
99-102												
102-105												
105-108												
108-111												
111-114												
114-117												
117-120												

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FP3-6

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3									
3-6	~~0.118~~	0.067	#	**55.47**	0.066	**-0.015**	NO		
6-9									
9-12									
12-15	~~0.06~~	0.063	#A	**75.59**	0.045	**-0.048**	NO		
15-18									
18-22.5									
22.5-24									
24-27									
27-30									
30-33									
33-36									
36-39									
39-42									
42-45									
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP3-7

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3									
3-6	0.382	0.088	#	35.36	0.136	0.158	OK		
6-9									
9-12									
12-15	~~0.091~~	0.095	#A	**75.59**	0.069	**-0.073**	NO		~~0.189~~
15-18									
18-21									
21-24									
24-27	~~0.118~~	0.079	#	**60.3**	0.071	**-0.032**	NO		
27-30									
30-33									
33-36									
36-39	<	0.082	B<						
39-40.5									
40.5-45									
45-48									
48-51									
51-54									
54-57									
57-60									
60-61									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP4-1

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	0.286	0.122	#	48.51	0.139	0.025	OK		
3-6									
6-9									
9-12	~~0.13~~	0.087	#	**60.3**	0.079	**-0.036**	NO		
12-15									
15-18									
18-21									
21-24	<	0.08	B<						
24-27									
27-30									
30-33									
33-36	<	0.075	B<						
36-39									
39-42									
42-45									
45-48	<	0.079	B<						
48-51									
51-54									
54-57									
57-60									
60-61.5									
61.5-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP4-2

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	0.822	0.09	#	24.43	0.202	0.53	OK		
3-6									
6-9									
9-12	~~0.137~~	0.134	#	**87.2**	0.119	**-0.116**	NO		
12-15									
15-18									
18-21									
21-24	<	0.069	B<						
24-27									
27-30									
30-33									
33-36	<	0.068	B<						
36-39									
39-42									
42-45									
45-48	~~0.065~~	0.079	#A	**81.65**	0.053	**-0.067**	NO		
48-51									
51-52.5									
52.5-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP4-3

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3									
3-6	2.769	0.082		12.7	0.361	2.326			
6-9									
9-12	0.407	0.079		32.44	0.132	0.196			
12-15									
15-18									
18-21									
21-24	<	0.18	B<						
24-27									
27-30									
30-33									
33-36	~~0.074~~	0.078	#A	**75.59**	0.056	**-0.06**	NO		
36-39									
39-42									
42-45									
45-48	~~0.047~~	0.087	#A	**100**	0.047	**-0.087**	NO		
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP4-4

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	2.11	0.099		16.01	0.344	1.667			
3-6									
6-9	0.428	0.087		33.33	0.143	0.198			
9-12									
12-15									
15-18									
18-21	~~0.099~~	0.104	#A	**75.59**	0.075	**-0.08**	NO		
21-24									
24-27									
27-30									
30-33	<	0.109	B<						
33-36									
36-39									
39-42									
42-45	<	0.092	B<						
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-64									
64-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP4-5

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	4.061	0.203		16.5	0.68	3.178			
3-6									
6-9	1.908	0.113		17.96	0.347	1.448			
9-12									
12-15									
15-18									
18-21	<	0.109	B<						
21-24									
24-27									
27-30									
30-33	~~0.169~~	0.138	#	**66.67**	0.113	**-0.082**	NO		
33-36									
36-39									
39-42									
42-45	<	0.092	B<						
45-48									
48-51									
51-54									
54-57.5									
57.5-60									
60-63									
63-66									
66-69									
69-71									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP4-6

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	2.926	0.196		15.92	0.474	2.256			
3-6									
6-9	0.263	0.114		48.51	0.128	0.021			
9-12									
12-15									
15-18									
18-21	~~0.063~~	0.116	#A	**100**	0.063	**-0.116**	NO		
21-24									
24-27									
27-30									
30-33	<	0.094	B<						
33-36									
36-39									
39-42									
42-45	~~0.15~~	0.085	#	**55.47**	0.083	**-0.018**	NO		
45-48									
48-51									
51-52									
52-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP4-7

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3									
3-6	0.517	0.093	#	31.23	0.162	0.262	OK		
6-9									
9-12									
12-15	<	0.099	B<						
15-18									
18-21									
21-24									
24-27	~~0.076~~	0.07	#	**70.71**	0.054	**-0.048**	NO		
27-30									
30-33									
33-36									
36-39	<	0.079	B<						
39-42									
42-45									
45-48									
48-51									
51-54	<	0.07	B<						
54-57									
57-57.5									
57.5-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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T-4, IM-1

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	6.814	0.188		9.93	0.706	5.92			
3-6									
6-9	0.434	0.103	#	35.92	0.156	0.175	OK		
9-12									
12-15									
15-18									
18-21	0.399	0.137	#	42.32	0.169	0.093	OK		
21-24									
24-27									
27-30									
30-33	0.856	0.105		25.82	0.222	0.529			
33-36									
36-39									
39-42									
42-45									
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-74									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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T-4, IM-2

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	10.285	0.108		7.55	0.836	9.341			
3-6									
6-9	1.091	0.089		21.08	0.232	0.77			
9-12									
12-15									
15-18									
18-21	0.275	0.096	#	43.64	0.12	0.059	OK		
21-24									
24-27									
27-30									
30-33									
33-36									
36-39									
39-42									
42-45									
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-74									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP5-1

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3									
3-6	1.41	0.103		19.9	0.284	1.023			
6-9									
9-12									
12-15	<	0.078	B<						
15-18									
18-21									
21-24									
24-27	<	0.089	B<						
27-30									
30-33									
33-36	<	0.082	B<						
36-39									
39-42									
42-45									
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP5-2

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	2.999	0.102		13.58	0.417	2.48			
3-6									
6-9	0.355	0.084	#	35.92	0.128	0.143	OK		
9-12									
12-15									
15-18									
18-21	~~0.067~~	0.071	#A	**75.59**	0.051	**-0.055**	NO		
21-24									
24-27									
27-30									
30-33	<	0.149	B<						
33-36									
36-39									
39-42.5									
42.5-45									
45-48									
48-51									
51-54									
54-57									
57-59									
59-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP5-3

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	QC (pCi/g)
0-3	2.414	0.326		23.7	0.577	1.511			3.112
3-6									
6-9									
9-12	<	0.291	B<						0.285
12-15									
15-18									
18-21									
21-24	<	0.148	B<						<MDA(0.111)
24-27									
27-30									
30-33									
33-36	~~0.122~~	0.1	#	**66.67**	0.081	**-0.059**	NO		<MDA(0.094)
36-39									
39-42									
42-45									
45-48	~~0.053~~	0.098	#A	**100**	0.053	**-0.098**	NO		<MDA(0.098)
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-86									
86-90									
90-93									
93-96									
96-99									
99-102									
102-104									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP5-4

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	~~0.051~~	0.094	#A	**100**	0.051	**-0.094**	NO		
3-6									
6-9									
9-12	<	0.118	B<						
12-15									
15-18									
18-21									
21-24	~~0.094~~	0.099	#A	**75.59**	0.071	**-0.076**	NO		
24-27									
27-30									
30-33									
33-36	<	0.076	B<						
36-39									
39-42									
42-45	<	0.09	B<						
45-48.5									
48.5-51									
51-54									
54-57									
57-60									
60-61									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP5-5

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	2.317	0.103		15.52	0.367	1.847			
3-6									
6-9	1.095	0.207		25.31	0.279	0.609			
9-12									
12-15									
15-18									
18-21	~~0.186~~	0.134	#	**67.77**	0.126	**-0.074**	NO		
21-24									
24-27									
27-30									
30-33	~~0.154~~	0.126	#	**66.67**	0.103	**-0.075**	NO		
33-36									
36-39									
39-42									
42-45	<	0.076	B<						
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP5-6

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	3.206	0.151		13.56	0.445	2.61			
3-6									
6-9	0.475	0.106		34.82	0.166	0.203			
9-12									
12-15									
15-18									
18-21	<	0.097	B<						
21-24									
24-27									
27-30									
30-33	~~0.099~~	0.145	#A	**89.44**	0.088	**-0.134**	NO		
33-36									
36-39									
39-42									
42-45	<	0.092	B<						<MDA(0.113)
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-92									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP5A-1

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3									
3-6	1.064	0.205		29.79	0.319	0.54			
6-9									
9-12									
12-15	0.666	0.096		28.01	0.188	0.382	OK		
15-18									
18-21									
21-24									
24-27	~~0.126~~	0.103	#	**66.67**	0.084	**-0.061**	NO		
27-30									
30-33									
33-36									
36-39	<	0.119	B<						
39-42									
42-45									
45-48									
48-51	~~0.059~~	0.086	#A	**89.44**	0.053	**-0.08**	NO		
51-54									
54-57									
57-60									
60-63									
63-66									
66-68									
68-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP5A-2

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3									
3-6	0.605	0.108		31.23	0.19	0.307			
6-9									
9-12	0.462	0.166		43.49	0.201	0.095			
12-15									
15-18									
18-21									
21-24	<	0.131	B<						
24-27									
27-30									
30-33									
33-36	<	0.14	B<						
36-39									
39-42									
42-45									
45-48	~~0.16~~	0.131	#	**66.67**	0.107	**-0.078**	NO		
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-68.5									
68.5-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP6-1

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	0.533	0.166	#	39.53	0.211	0.156	OK		
3-6									
6-9									
9-12	<	0.08	B<						
12-15									
15-18									
18-21									
21-24	<	0.073	B<						
24-27									
27-30									
30-33									
33-36	<	0.092	B<						
36-39									
39-42									
42-45									
45-48									
48-51	<	0.085	B<						
51-54									
54-56									
56-60									
60-61									
61-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP6-2

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3									
3-6	0.254	0.089	#	43.64	0.111	0.054	OK		
6-9									
9-12									
12-15	~~0.125~~	0.071	#	**55.47**	0.07	**-0.016**	NO		
15-18									
18-21									
21-24									
24-27	<	0.13	B<						
27-29.5									
29.5-33									
33-36									
36-39									
39-42									
42-45									
45-48									
48-51									
51-54									
54-57									
57-59.5									
59.5-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP6-3

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	<	0.159	B<						
3-6									
6-9									
9-12	<	0.109	B<						
12-15									
15-18									
18-21									
21-24	<	0.11	B<						
24-27									
27-30									
30-33									
33-36	<	0.082	B<						
36-39									
39-42									
42-45									
45-48	<	0.07	B<						
48-49.5									
49.5-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-86									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP6-4

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3 3-6	0.549	0.115		33.81	0.186	0.248			
6-9 9-12 12-15 15-18	~~0.136~~	0.111	#	**66.67**	0.091	**-0.066**	NO		
18-21 21-24 24-27 27-30	~~0.16~~	0.118	#	**63.25**	0.101	**-0.059**	NO		
30-33 33-36 36-39 39-42	<	0.126	B<						
42-45 45-48 48-51 51-54	<	0.111	B<						
54-57									
57-60									
60-63									
63-66									
66-68.5									
68.5-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP6-5

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3									
3-6	1.514	0.12		20.74	0.317	1.077			
6-9									
9-12									
12-15	1.647	0.11		19.07	0.318	1.219			
15-18									
18-21									
21-24									
24-27	<	0.116	B<						
27-30									
30-33									
33-36									
36-39	<	0.161	B<						
39-42									
42-45									
45-48									
48-51	~~0.161~~	0.198	#A	**81.65**	0.132	**-0.169**	NO		
51-54									
54-57									
57-60									
60-63									
63-64.5									
64.5-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-88									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP6-6

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3									
3-6	0.705	0.133	#	32.03	0.227	0.345	OK		
6-9									
9-12									
12-15	~~0.199~~	0.105	#	**53.45**	0.107	**-0.013**	NO		
15-18									
18-21									
21-24									
24-27	0.526	0.11		33.81	0.178	0.238			
27-30									
30-33									
33-36									
36-39	<	0.119	B<						
39-42									
42-45									
45-48									
48-51	<	0.127	B<						
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-76.5									
76.5-81									
81-84									
84-87									
87-90									
90-92									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP6A-1

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	1.793	0.121		19.16	0.348	1.324			
3-6									
6-9	1.008	0.179		28.02	0.284	0.545			
9-12									
12-15									
15-18									
18-21	~~0.094~~	0.115	#A	**81.65**	0.076	**-0.097**	NO		
21-24									
24-27									
27-30									
30-33	<	0.227	B<						
33-36									
36-39									
39-42									
42-45	~~0.067~~	0.099	#A	**89.44**	0.06	**-0.092**	NO		
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP7-1

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	1.032	0.155		25.66	0.267	0.61			
3-6									
6-9									
9-12	<	0.213	B<						
12-15									
15-18									
18-21									
21-24	<	0.076	B<						
24-27									
27-30									
30-33									
33-36	~~0.038~~	0.07	#A	**100**	0.038	**-0.07**	NO		
36-39									
39-42									
42-45									
45-48	<	0.076	B<						
48-51									
51-53.5									
53.5-55									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP7-2

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	1.909	0.109		17.61	0.341	1.459			
3-6									
6-9									
9-12	<	0.123	B<						
12-15									
15-18									
18-21									
21-24	<	0.089	B<						
24-27									
27-30									
30-33									
33-36	<	0.112	B<						
36-39									
39-42									
42-45									
45-48	<	0.149	B<						
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-71.5									
71.5-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-92									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP7-3

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	14.194	0.12		5.53	0.89	13.184			
3-6									
6-9	0.716	0.119		26.62	0.192	0.405			
9-12									
12-15									
15-18									
18-21	~~0.087~~	0.071	#	**66.67**	0.058	**-0.042**	NO		
21-24									
24-27									
27-30									
30-33	~~0.068~~	0.071	#A	**75.59**	0.051	**-0.054**	NO		
33-36									
36-39									
39-42									
42-45.5									
45.5-48									
48-50									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

18-Mar-08

FP7-4

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	0.869	0.136		29.17	0.255	0.478			
3-6									
6-9	0.432	0.127		40	0.173	0.132			
9-12									
12-15									
15-18									
18-21	<	0.112	B<						
21-24									
24-27									
27-30									
30-33	<	0.119	B<						
33-36									
36-39									
39-42									
42-45	<	0.146	B<						
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-80									
80-84									
84-87									
87-90									
90-93									
93-95									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

18-Mar-08

FP7-5

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3									
3-6	2.268	0.113		16.5	0.381	1.774			
6-9									
9-12									
12-15	1.589	0.21		21.39	0.343	1.036			
15-18									
18-21									
21-24									
24-27	~~0.262~~	0.128	#	**51.64**	0.135	**-0.001**	NO		
27-30									
30-33									
33-36									
36-39	<	0.145	B<						
39-42									
42-45									
45-48									
48-51	<	0.097	B<						
51-54									
54-57									
57-60									
60-63									
63-66									
66-68									
68-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-92									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

18-Mar-08

FP8-1

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	0.936	0.161		27.5	0.259	0.516			
3-6									
6-9	0.606	0.089	#	28.28	0.172	0.345	OK		
9-12									
12-15									
15-18									
18-21	~~0.086~~	0.079	#	**70.71**	0.061	**-0.054**	NO		
21-24									
24-27									
27-30									
30-33	~~0.1~~	0.073	#	**63.25**	0.063	**-0.036**	NO		
33-36									
36-39									
39-42									
42-45	<	0.069	B<						
45-48									
48-51									
51-54									
54-57									
57-58.5									
58.5-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

18-Mar-08

FP8-2

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	0.453	0.119	#	37.8	0.172	0.162	OK		
3-6									
6-9									
9-12	<	0.105	B<						
12-15									
15-18									
18-21									
21-24	~~0.175~~	0.107	#	**57.74**	0.101	**-0.033**	NO		
24-27									
27-30									
30-33									
33-36	<	0.172	B<						
36-39									
39-42									
42-45									
45-48	<	0.2	B<						
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81.5									
81.5-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

18-Mar-08

FP8-3

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	~~0.112~~	0.117	#A	**75.59**	0.085	**-0.09**	NO		
3-6									
6-9									
9-12	<	0.107	B<						
12-15									
15-18									
18-21									
21-24	<	0.135	B<						
24-27									
27-30									
30-33									
33-36	<	0.206	B<						
36-39									
39-42									
42-45									
45-48	~~0.041~~	0.076	#A	**100**	0.041	**-0.076**	NO		
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-68.5									
68.5-72									
72-75									
75-78									
78-79									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

18-Mar-08

FP8-4

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	0.639	0.138		34.3	0.22	0.281			
3-6									
6-9	0.617	0.114	#	28.57	0.177	0.326	OK		
9-12									
12-15									
15-18									
18-21	0.961	0.072		20.2	0.196	0.693			
21-24									
24-27									
27-30									
30-33	<	0.072	B<						
33-36									
36-39									
39-42									
42-45	~~0.078~~	0.114	#A	**89.44**	0.07	**-0.106**	NO		
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

18-Mar-08

FP10-1

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	~~0.219~~	0.107	#	**51.64**	0.113	**-0.001**	NO		
3-6									
6-9									
9-12	0.208	0.085	#	47.14	0.098	0.025	NO	Why Reject?	
12-15									
15-18									
18-21									
21-24	<	0.073	B<						
24-27									
27-29.5									
29.5-33									
33-36									
36-37									
39-42									
42-45									
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

18-Mar-08

FP-A-1

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3									
3-6	1.045	0.192	#	31.62	0.332	0.521	OK		
6-9									
9-12									
12-15	~~0.14~~	0.1	#	**67.92**	0.095	**-0.055**	NO		
15-18									
18-21									
21-24									
24-27	~~0.103~~	0.095	#	**70.71**	0.073	**-0.065**	NO		
27-30									
30-31									
31-36									
36-39									
39-42									
42-45									
45-47									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP-A-2

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3									
3-6	0.316	0.083	#	37.8	0.12	0.113	OK		
6-9									
9-12									
12-15	~~0.216~~	0.105	#	**53.32**	0.115	**-0.004**	NO		
15-18									
18-21									
21-24									
24-27	<	0.075	B<						
27-30									
30-33									
33-36									
36-39	<	0.076	B<						
39-42									
42-45									
45-48									
48-51									
51-54	<	0.069	B<						
54-57									
57-58.5									
58.5-62									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

18-Mar-08

FP-A-3

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	0.354	0.074		33.81	0.12	0.16			
3-6									
6-9									
9-12	~~0.138~~	0.115	#	**76.92**	0.107	**-0.084**	NO		
12-15									
15-18									
18-21									
21-24	~~0.085~~	0.078	#	**70.71**	0.06	**-0.053**	NO		
24-27									
27-30									
30-33									
33-36	<	0.073	B<						
36-39									
39-42									
42-45									
45-48	~~0.101~~	0.067	#	**60.3**	0.061	**-0.027**	NO		
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-68.5									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP-A-4

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	<	0.095	B<						
3-6									
6-9									
9-12	<	0.111	B<						
12-15									
15-18									
18-21									
21-24									
24-27									
27-30									
30-33									
33-36									
36-39									
39-42									
42-45									
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP-B-1

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	<	0.235	B<						
3-6									
6-9									
9-12	~~0.061~~	0.112	#A	**100**	0.061	**-0.112**	NO		
12-15									
15-18									
18-21									
21-24	<	0.075	B<						
24-27									
27-30									
30-33									
33-36	<	0.075	B<						
36-39.5									
39.5-42									
42-45									
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP-B-2

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	<	0.083	B<						
3-6									
6-9									
9-12	<	0.068	B<						
12-15									
15-18									
18-21									
21-24	<	0.073	B<						
24-27									
27-30									
30-33									
33-36	<	0.072	B<						
36-39									
39-41.5									
41.5-45									
45-48									
48-51									
51-55									
55-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP-B-3

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	0.396	0.091		35.36	0.14	0.165			
3-6									
6-9	0.224	0.078	#	43.64	0.098	0.048	OK		
9-12									
12-15									
15-18									
18-21	<	0.083	B<						
21-24									
24-27									
27-30									
30-33	<	0.084	B<						
33-36									
36-39									
39-41.5									
41.5-45									
45-48									
48-51									
51-54									
54-56									
57-60									
60-63									
63-66									
66-69									
69-72									
72-75									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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FP-B-4

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	QC (pCi/g)
0-3	~~0.175~~	0.117	#	**60.3**	0.106	**-0.048**	NO		0.296
3-6									
6-9									
9-12	0.65	0.069	#	24.08	0.158	0.423	OK		0.431
12-15									
15-18									
18-21									
21-24	2.913	0.131		11.47	0.345	2.437			3.095
24-27									
27-30									
30-33									
33-36	<	0.097	B<						<MDA(0.071)
36-39									
39-42									
42-45									
45-48	<	0.094	B<						<MDA(0.078)
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-74									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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IM-3, Shale

Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
0-3	<	0.179	B<					BI-214 = 8.41pCi/g	
3-6									
6-9									
9-12									
12-15									
15-18									
18-21									
21-24									
24-27									
27-30									
30-33									
33-36									
36-39									
39-42									
42-45									
45-48									
48-51									
51-54									
54-57									
57-60									
60-63									
63-66									
66-69									
69-72									
72-74									
75-78									
78-81									
81-84									
84-87									
87-90									
90-93									
93-96									
96-99									
99-102									
102-105									
105-108									
108-111									
111-114									
114-117									
117-120									

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BLANKS

Name	Date	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-00972	28-Mar-07	<	0.061	B<						
PB07-01004	29-Mar-07	<	0.064	B<						
PB07-01100	5-Apr-07	~~0.033~~	0.061	#A	**100**	0.033	**-0.061**	NO		
PB07-01120	6-Apr-07	<	0.066	B<						
PB07-01136	9-Apr-07	~~0.068~~	0.063	#	**70.71**	0.048	**-0.043**	NO		
PB07-01137	9-Apr-07	~~0.041~~	0.06	#A	**89.44**	0.036	**-0.055**	NO		
PB07-01179	12-Apr-07	<	0.031	B<						
PB07-01191	12-Apr-07	<	0.061	B<						
PB07-01192	12-Apr-07	<	0.059	B<						
PB07-01193	12-Apr-07	<	0.056	B<						
PB07-01294	23-Apr-07	<	0.063	B<						
PB07-01295	23-Apr-07	<	0.072	B<						
PB07-01311	23-Apr-07	<	0.065	B<						
PB07-01312	23-Apr-07	<	0.06	B<						
PB07-01350	25-Apr-07	<	0.061	B<						
PB07-01351	25-Apr-07	<	0.066	B<						
PB07-01398	30-Apr-07	<	0.063	B<						
PB07-01399	30-Apr-07	<	0.066	B<						
PB07-01411	30-Apr-07	~~0.053~~	0.065	#A	**81.65**	0.043	**-0.055**	NO		
PB07-01472	1-May-07	<	0.055	B<						
PB07-01504	2-May-07	~~0.086~~	0.063	#	**63.25**	0.054	**-0.031**	NO		
PB07-01505	2-May-07	<	0.057	B<						
PB07-03053	2-Oct-07	<	0.063	B<						
PB07-03074	2-Oct-07	<	0.030	B<						
PB07-03075	2-Oct-07	<	0.030	B<						
PB07-03107	3-Oct-07	<	0.030	B<						
PB07-03108	3-Oct-07	<	0.029	B<						
PB07-03344	23-Oct-07	<	0.042	B<						
PB07-03376	24-Oct-07	<	0.030	B<						
PB07-03393	24-Oct-07	<	0.019	B<						
PB07-03375	24-Oct-07	0.052	0.016		38.9	0.020	0.016			<0.022
PB07-03437	30-Oct-07	<	0.027	B<						
PB07-03542	6-Nov-07	0.041	0.019	#	47.9	0.020	0.002	NO	Why Reject?	
PB07-03626	13-Nov-07	<	0.020	B<						
PB07-03651	14-Nov-07	<	0.022	B<						
PB07-03675	15-Nov-07	<	0.020	B<						

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FPG1

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	QC (pCi/g)
PB07-03027	SR54-1	0-3 3-6	1.72	0.148		18.2	0.318	1.254			1.31
PB07-03028	SR54-1	6-9 9-12 12-15 15-18	0.944	0.101		24.1	0.229	0.614			0.832
PB07-03029	SR54-1	18-21 21-24 24-27 27-30	<	0.099	B<						<0.091
PB07-03030	SR54-1	30-33 33-36 36-39 39-42	<	0.128	B<						<0.113
PB07-03031	SR54-1	42-45 45-48 48-51 51-54	<	0.106	B<						<0.105
		54-58									
		58-60									
		60-63									
		63-66									
		66-70									
		70-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

18-Mar-08

FPG2

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03037	SR54-2	0-3	4.83	0.101		10.7	0.534	4.195			
		3-6									
		6-9									
PB07-03038	SR54-2	9-12	0.837	0.101		25.6	0.216	0.52			
		12-15									
		15-18									
		18-21									
PB07-03039	SR54-2	21-24	<	0.109	B<						
		24-27									
		27-30									
		30-33									
		33-36									
		36-39									
		39-42									
		42-45									
		45-48									
		48-51									
		51-54									
		54-58									
		58-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG3

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03040	SR54-3	0-3	4.28	0.116		12.2	0.538	3.626			4.49
		3-6									
		6-9									
PB07-03044	SR54-3	9-12	0.632	0.097		28.9	0.184	0.351			
		12-15									
		15-18									
		18-21									
PB07-03045	SR54-3	21-24	<	0.091	B<						
		24-27									
		27-30									
		30-33									
PB07-03046	SR54-3	33-36	<	0.072	B<						
		36-39									
		39-42									
		42-45									
PB07-03047	SR54-3	45-48	<	0.075	B<						
		48-50.25									
		50.25-54									
		54-58									
		58-60									
		60-63									
		63-65									
		65-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG4

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03048	SR54-4	0-3	0.372	0.078		33.8	0.126	0.168			
		3-6									
		6-9									
PB07-03049	SR54-4	9-12	0.506	0.111		32.4	0.165	0.23			
		12-15									
		15-18									
		18-21									
PB07-03050	SR54-4	21-24	0.909	0.130		25.1	0.230	0.549			
		24-27									
		27-30									
		30-33									
PB07-03051	SR54-4	33-36	<	0.088	B<						
		36-39									
		39-42									
		42-45									
		45-48									
PB07-03052	SR54-4	48-51	<	0.077	B<						
		51-54									
		54-59.5									
		59.5-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG5

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03054	SR54-5	0-3	1.99	0.120		15.4	0.314	1.556			
		3-6									
PB07-03055	SR54-5	6-9	0.966	0.145		25.3	0.246	0.575			
		9-12									
		12-15									
		15-18									
PB07-03056	SR54-5	18-21	<	0.104	B<						
		21-24									
		24-27									
		27-30									
PB07-03057	SR54-5	30-33	<	0.108	B<						
		33-36									
		36-39									
		39-42									
PB07-03058	SR54-5	42-45	<	0.101	B<						
		45-48									
		48-51									
		51-54									
		54-57.5									
		57.5-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG6

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03059	SR54-6	0-3	4.16	0.085		10.5	0.459	3.616			
		3-6									
		6-9									
PB07-03060	SR54-6	9-12	1.08	0.112		23.7	0.259	0.709			0.889
		12-15									
		15-18									
		18-21									
		21-24									
PB07-03062	SR54-6	24-27	<	0.111	B<						
		27-30									
		30-33									
		33-35.75									
		35.75-39									
		39-43.5									
		43.5-45									
		45-48									
		48-51									
		51-54									
		54-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG7

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03063	SR54-7	0-3	4.44	0.129		10.2	0.473	3.838			
		3-6									
PB07-03064	SR54-7	6-9	0.899	0.096		24.1	0.218	0.585			
		9-12									
		12-15									
		15-18									
PB07-03065	SR54-7	18-21	<	0.113	B<						
		21-24									
		24-27									
		27-30									
PB07-03066	SR54-7	30-33	<	0.101	B<						
		33-36									
		36-39									
		39-42									
PB07-03067	SR54-7	42-45	<	0.100	B<						
		45-48									
		48-51									
		51-53.5									
		53.5-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG8

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03069	SR54-8	0-3	3.59	0.160		13.3	0.491	2.939			
		3-6									
PB07-03070	SR54-8	6-9	0.893	0.094		23.9	0.215	0.584			
		9-12									
		12-15									
		15-18									
PB07-03071	SR54-8	18-21	<	0.113	B<						
		21-24									
		24-27									
		27-30									
PB07-03072	SR54-8	30-33	<	0.104	B<						
		33-36									
		36-39									
		39-42									
PB07-03073	SR54-8	42-45	<	0.094	B<						
		45-48									
		48-51									
		51-54.75									
		54.75-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG9

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03079	SR54-9	0-3	2.95	0.181		15.5	0.466	2.303			
		3-6									
		6-9									
PB07-03080	SR54-9	9-12	1.47	0.194		23.5	0.348	0.928			1.39
		12-15									
		15-18									
		18-21									
PB07-03082	SR54-9	21-24	<	0.126	B<						
		24-28.25									
		28.25-30									
		30-33									
		33-36									
		36-38									
		38-42									
		42-45									
		45-48									
		48-51									
		51-54									
		54-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG10

Lab Number	COC Number	Field Depth (inches)	Lab Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03083	SR54-10	0-3	0-3	1.61	0.087		17.1	0.280	1.243			
		3-6	3-6									
		6-9	6-9									
PB07-03084	SR54-10	9-12	9-12	0.235	0.052	#	34.8	0.082	0.101	OK		
		12-16.5	*12-16.5*									
		16.5-18	*16.5-18*									
		18-21	18-21									
		21-25	*21-25*									
		25-27	*25-27*									
		27-30	27-30									
		30-33	30-33									
		33-36	*33-35*									
		36-39	*35-39*									
PB07-03085	SR54-10	39-42	39-42	<	0.129	B<						
		42-45	*42-46*									
		45-48	*46-48*									
		48-51	48-51									
		51-55	51-55									
		55-58	*55-58*									
		58-60	*58-60*									
		60-63	60-63									
		63-66	63-66									
		66-69	66-69									
		69-72	69-72									
		72-75										
		75-78										
		78-81										
		81-84										
		84-87										
		87-90										
		90-93										
		93-96										
		96-99										
		99-102										
		102-105										
		105-108										
		108-111										
		111-114										
		114-117										
		117-120										

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FPG11

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03086	SR54-11	0-3	3.97	0.152		12.3	0.504	3.314			
		3-6									
PB07-03087	SR54-11	6-9	3.58	0.142		46.5	0.167	3.271			
		9-12									
		12-15									
		15-18									
PB07-03088	SR54-11	18-21	<	0.154	B<						
		21-24									
		24-27									
		27-30									
PB07-03089	SR54-11	30-33	<	0.095	B<						
		33-36									
		36-39									
		39-42									
PB07-03090	SR54-11	42-45	<	0.081	B<						
		45-48									
		48-52.5									
		52.5-54									
		54-57									
		57-60									
		60-63									
		63-66									
		66-68									
		68-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG12

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03091	SR54-12	0-3	<	0.287	B<						
		3-6									
		6-9									
PB07-03092	SR54-12	9-12	0.307	0.098		41.7	0.128	0.081			
		12-15									
		15-18									
		18-21									
PB07-03093	SR54-12	21-24	<	0.103	B<						
		24-27									
		27-30									
		30-33									
PB07-03094	SR54-12	33-36	<	0.115	B<						
		36-39									
		39-42									
		42-45									
PB07-03095	SR54-12	45-48	<	0.102	B<						
		48-51									
		51-54									
		54-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-73									
		73-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG13

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03096	SR54-13	0-3	5.20	0.092		9.78	0.535	4.573			
		3-6									
PB07-03097	SR54-13	6-9	4.13	0.165		11.1	0.477	3.488			
		9-12									
		12-15									
		15-18									
PB07-03098	SR54-13	18-21	0.316	0.106	#	42.6	0.135	0.075	OK		
		21-24									
		24-27									
		27-30									
PB07-03099	SR54-13	30-33	<	0.105	B<						
		33-36									
		36-39									
		39-42									
PB07-03100	SR54-13	42-45	<	0.118	B<						<0.091
		45-48									
		48-51									
		51-54									
		54-57									
		57-59.25									
		59.25-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG14

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03102	SR54-14	0-3	4.33	0.096		11.0	0.494	3.740			
		3-6									
PB07-03103	SR54-14	6-9	1.20	0.105		21.8	0.264	0.831			
		9-12									
		12-15									
		15-18									
PB07-03104	SR54-14	18-21	<	0.125	B<						
		21-24									
		24-27									
		27-30									
PB07-03105	SR54-14	30-33	<	0.086	B<						
		33-36									
		36-39									
		39-42									
PB07-03106	SR54-14	42-45	<	0.084	B<						
		45-48									
		48-51									
		51-54									
		54-58.5									
		58.5-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG15

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03303	SR54-15	0-3	0.884	0.123		27.5	0.245	0.516			
		3-6									
		6-9									
PB07-03304	SR54-15	9-12	<	0.128	B<						
		12-15									
		15-18									
		18-21									
PB07-03305	SR54-15	21-24	<	0.155	B<						
		24-27									
		27-30									
		30-33									
PB07-03306	SR54-15	33-36	<	0.197	B<						
		36-39									
		39-42									
		42-45									
PB07-03307	SR54-15	45-48	<	0.105	B<						
		48-51.5									
		51.5-54									
		54-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG16

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03308	SR54-16	0-3	0.695	0.099		24.7	0.173	0.423			
		3-6									
		6-9									
PB07-03309	SR54-16	9-12	0.298	0.116	#	45.9	0.137	0.045	OK		
		12-15									
		15-18									
		18-21									
PB07-03310	SR54-16	21-24	<	0.169	B<						
		24-27									
		27-30									
		30-33									
PB07-03311	SR54-16	33-36	<	0.102	B<						
		36-39									
		39-43									
		43-45									
		45-48									
		48-51									
		51-54									
		54-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG17

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03312	SR54-17	0-3	0.640	0.121	#	32.0	0.206	0.313	OK		
		3-6									
		6-9									
		9-12									
PB07-03313	SR54-17	12-15	<	0.110	B<						
		15-18									
		18-21									
		21-24									
PB07-03314	SR54-17	24-27	<	0.121	B<						
		27-30									
		30-33									
		33-36									
PB07-03315	SR54-17	36-39	<	0.072	B<						
		39-41									
		41-45									
		45-48									
		48-52									
		52-54									
		54-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG18

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03330	SR54-18	0-3	0.799	0.101	#	26.3	0.211	0.487	OK		
		3-6									
		6-9									
		9-12									
PB07-03331	SR54-18	12-15	<	0.105	B<						
		15-18									
		18-21									
		21-24									
PB07-03332	SR54-18	24-27	<	0.114	B<						
		27-30									
		30-33									
		33-36									
PB07-03333	SR54-18	36-39	<	0.197	B<						
		39-42									
		42-46.5									
		46.5-48									
		48-51									
		51-54									
		54-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG19

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03334	SR54-19	0-3	0.791	0.099		26.0	0.207	0.485			
		3-6									
		6-9									
PB07-03335	SR54-19	9-12	0.778	0.099		26.3	0.206	0.473			
		12-15									
		15-18									
		18-21									
PB07-03336	SR54-19	21-24	<	0.126	B<						
		24-27									
		27-30									
		30-33									
PB07-03337	SR54-19	33-36	<	0.136	B<						
		36-39									
		39-43.5									
		43.5-45									
		45-48									
		48-51									
		51-54									
		54-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-74									
		74-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG20

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03339	SR54-20	0-3	1.01	0.200		27.5	0.278	0.532			
		3-6									
		6-9									
PB07-03340	SR54-20	9-12	1.59	0.100		18.5	0.297	1.193			1.48
		12-15									
		15-18									
		18-21									
PB07-03342	SR54-20	21-24	<	0.119	B<						
		24-27									
		27-30									
		30-33									
PB07-03343	SR54-20	33-36	<	0.117	B<						
		36-39									
		39-42									
		42-45									
		45-48									
		48-51									
		51-54									
		54-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG21

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	QC (pCi/g)
PB07-03345	SR54-21	0-3	0.600	0.150		34.5	0.208	0.242			0.361
		3-6									
		6-9									
PB07-03346	SR54-21	9-12	<	0.111	B<						<0.120
		12-15									
		15-18									
		18-21									
PB07-03347	SR54-21	21-24	<	0.109	B<						<0.119
		24-27									
		27-30									
		30-33									
PB07-03348	SR54-21	33-36	<	0.122	B<						<0.059
		36-39									
		39-42									
		42-45									
PB07-03349	SR54-21	45-48	<	0.074	B<						<0.074
		48-51									
		51-54									
		54-57									
		57-60									
		60-62.5									
		63-62.5									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG22

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03355	SR54-22	0-3	1.23	0.244		25.3	0.313	0.673			
		3-6									
PB07-03356	SR54-22	6-9	0.881	0.112	#	26.3	0.233	0.536			
		9-12									
		12-15									
		15-18									
PB07-03357	SR54-22	18-21	<	0.109	B<						
		21-24									
		24-27									
		27-30									
PB07-03358	SR54-22	30-33	<	0.114	B<						
		33-36									
		36-39									
		39-42									
PB07-03359	SR54-22	42-45	<	0.124	B<						
		45-48									
		48-51									
		51-54.7									
		54.7-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG23

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03360	SR54-23	0-3	1.24	0.099		20.9	0.261	0.880			1.18
		3-6									
		6-9									
PB07-03362	SR54-23	9-12	0.553	0.168	#	38.9	0.216	0.169	OK		
		12-15									
		15-18									
		18-21									
PB07-03363	SR54-23	21-24	<	0.103	B<						
		24-27									
		27-30									
		30-33									
PB07-03373	SR54-23	33-36	<	0.145	B<						
		36-39									
		39-42									
		42-45									
PB07-03374	SR54-23	45-48	<	0.114	B<						
		48-51									
		51-54									
		54-57									
		57-60									
		60-63									
		63-67									
		67-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG24

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03377	SR54-24	0-3	2.65	0.101	#	14.4	0.389	2.160	OK		
		3-6									
		6-9									
PB07-03378	SR54-24	9-12	0.442	0.112	#	37.1	0.165	0.165	OK		
		12-15									
		15-18									
		18-21									
PB07-03379	SR54-24	21-24	<	0.111	B<						
		24-27									
		27-30									
		30-33									
PB07-03380	SR54-24	33-36	<	0.133	B<						<0.125
		36-39									
		39-42									
		42-45									
PB07-03382	SR54-24	45-48	<	0.077	B<						
		48-51									
		51-53.5									
		53.5-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG25

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03383	SR54-25	0-3	0.838	0.088		23.9	0.202	0.548			
		3-6									
PB07-03384	SR54-25	6-9	1.13	0.087	#	17.3	0.198	0.845	OK		
		9-12									
		12-15									
		15-18									
PB07-03385	SR54-25	18-21	<	0.124	B<						
		21-24									
		24-27									
		27-30									
PB07-03386	SR54-25	30-33	<	0.118	B<						
		33-36									
		36-39									
		39-42									
PB07-03387	SR54-25	42-45	<	0.105	B<						
		45-48									
		48-51.25									
		51.25-54									
		54-57									
		57-60									
		60-63									
		63-67									
		67-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG26

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03388	SR54-26	0-3	1.92	0.152		17.8	0.346	1.422			
		3-6									
PB07-03389	SR54-26	6-9	2.15	0.115		17.1	0.373	1.662			
		9-12									
		12-15									
		15-18									
PB07-03390	SR54-26	18-21	<	0.101	B<						
		21-24									
		24-27									
		27-30									
PB07-03391	SR54-26	30-33	<	0.123	B<						
		33-36									
		36-39									
		39-42									
PB07-03392	SR54-26	42-45	<	0.106	B<						
		45-48									
		48-51									
		51-54									
		54-57									
		57-60.25									
		60.25-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG27

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03413	SR54-27	0-3	1.18	0.116		23.1	0.276	0.788			
		3-6									
		6-9									
PB07-03414	SR54-27	9-12	0.338	0.108	#		0.141	0.089	OK		
		12-15									
		15-18									
		18-21									
PB07-03415	SR54-27	21-24	<	0.103	B<						
		24-27									
		27-30									
		30-33									
PB07-03416	SR54-27	33-36	<	0.124	B<						
		36-39									
		39-42									
		42-45									
		45-48									
PB07-03417	SR54-27	48-51	<	0.092	B<						
		51-54									
		54-57.75									
		57.75-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

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FPG28

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)	QC (pCi/g)
PB07-03418	SR54-28	0-3	1.92	0.103		17.0	0.333	1.484			2.29	
		3-6										
		6-9										
PB07-03419	SR54-28	9-12	1.02	0.154		25.2	0.258	0.608			1.15	
		12-15										
		15-18										
		18-21										
PB07-03420	SR54-28	21-24	<	0.145	B<						<0.093	<0.137
		24-27										
		27-30										
		30-33										
PB07-03422	SR54-28	33-36	<	0.146	B<						<0.147	
		36-39										
		39-42										
		42-45										
		45-48										
PB07-03423	SR54-28	48-51	<	0.109	B<						<0.108	
		51-54										
		54-56.25										
		56.25-60										
		60-63										
		63-66										
		66-69										
		69-72										
		72-75										
		75-78										
		78-81										
		81-84										
		84-87										
		87-90										
		90-93										
		93-96										
		96-99										
		99-102										
		102-105										
		105-108										
		108-111										
		111-114										
		114-117										
		117-120										

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FPG29

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03526	SR54-29	0-3	<	0.214	B<						
		3-6									
		6-9									
PB07-03527	SR54-29	9-12	<	0.143	B<						
		12-15									
		15-18									
		18-21									
PB07-03528	SR54-29	21-24	<	0.195	B<						
		24-27									
		27-30									
		30-33									
PB07-03529	SR54-29	33-36	<	0.145	B<						
		36-39									
		39-42									
		42-45									
		45-48									
PB07-03530	SR54-29	48-51	<	0.093	B<						
		51-54									
		54-57									
		57-59.5									
		59.5-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

18-Mar-08

FPG30

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	QC (pCi/g)	Recount (pCi/g)
PB07-03531	SR54-30	0-3	1.22	0.215		22.4	0.276	0.729			1.01	
		3-6										
		6-9										
PB07-03532	SR54-30	9-12	<	0.121	B<						<0.128	
		12-15										
		15-18										
		18-21										
PB07-03533	SR54-30	21-24	<	0.099	B<						<0.096	
		24-27										
		27-30										
		30-33										
PB07-03534	SR54-30	33-36	<	0.090	B<						<0.089	
		36-39										
		39-42										
		42-45										
PB07-03535	SR54-30	45-48	<	0.086	B<						<0.095	<0.100
		48-51										
		51-54										
		54-57										
		57-60										
		60-64.5										
		64.5-66										
		66-69										
		69-72										
		72-75										
		75-78										
		78-81										
		81-84										
		84-87										
		87-90										
		90-93										
		93-96										
		96-99										
		99-102										
		102-105										
		105-108										
		108-111										
		111-114										
		114-117										
		117-120										

18-Mar-08

FPG31

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03610	SR54-31	0-3	2.23	0.123		page missing	0.393	1.714			
		3-6									
		6-9									
PB07-03611	SR54-31	9-12	<	0.164	B<						
		12-15									
		15-18									
		18-21									
PB07-03612	SR54-31	21-24	<	0.197	B<						
		24-27									
		27-30									
		30-33									
PB07-03613	SR54-31	33-36	<	0.110	B<						
		36-39									
		39-42									
		42-45									
PB07-03614	SR54-31	45-48	<	0.108	B<						
		48-51									
		51-55.5									
		55.5-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

18-Mar-08

FPG32

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03615	SR54-32	0-3	0.746	0.106	#	27.7	0.208	0.432	OK		
		3-6									
		6-9									
PB07-03616	SR54-32	9-12	<	0.097	B<						
		12-15									
		15-18									
		18-21									
PB07-03617	SR54-32	21-24	<	0.089	B<						
		24-27									
		27-30									
		30-33									
PB07-03618	SR54-32	33-36	<	0.112	B<						
		36-39									
		39-42									
		42-45									
PB07-03619	SR54-32	45-48	<	0.130	B<						
		48-51									
		51-54									
		54-57									
		57-60									
		60-62.5									
		62.5-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

18-Mar-08

FPG33

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
Pb07-03620	SR54-33	0-3	<	0.520	B<						1.22
		3-6									
		6-9									
PB07-03622	SR54-33	9-12	<	0.121	B<						
		12-15									
		15-18									
		18-21									
PB07-03623	SR54-33	21-24	<	0.100	B<						
		24-27									
		27-30									
		30-33									
PB07-03624	SR54-33	33-36	<	0.089	B<						
		36-39									
		39-42									
		42-45									
PB07-03625	SR54-33	45-48	<	0.089	B<						
		48-51									
		51-54									
		54-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

18-Mar-08

FPG34

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03627	SR54-34	0-3	7.67	0.159		8.64	0.707	6.804			
		3-6									
		6-9									
PB07-03628	SR54-34	9-12	4.32	0.200		13.0	0.580	3.540			
		12-15									
		15-18									
		18-21									
PB07-03629	SR54-34	21-24	0.394	0.161		47.1	0.186	0.047	OK		
		24-27									
		27-30									
		30-33									
PB07-03630	SR54-34	33-36	<	0.126	B<						
		36-39									
		39-42									
		42-45									
PB07-03631	SR54-34	45-48	<	0.092	B<						
		48-51									
		51-54									
		54-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

18-Mar-08

FPG35

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03643	SR54-35	0-3	0.733	0.117	#	29.50	0.218	0.398	OK		
		3-6									
		6-9									
PB07-03644	SR54-35	9-12	<	0.193	B<						
		12-15									
		15-18									
		18-21									
		21-24									
		24-27									
		27-30									
		30-33									
PB07-03645	SR54-35	33-36	<	0.084	B<						
		36-39									
		39-42									
		42-45									
PB07-03646	SR54-35	45-48	<	0.103	B<						
		48-51									
		51-54									
		54-57									
		57-60									
		60-62.25									
		62.25-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

18-Mar-08

FPG36

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03647	SR54-36	0-3	1.28	0.143		21.9	0.282	0.855			
		3-6									
PB07-03648	SR54-36	6-9	4.68	0.133		10.3	0.507	4.040			
		9-12									
		12-15									
		15-18									
PB07-03649	SR54-36	18-21	<	0.075	B<						
		21-24									
		24-27									
		27-30									
PB07-03650	SR54-36	30-33	<	0.085	B<						
		33-36									
		36-39									
		39-42									
		42-44.5									
		44.5-48									
		48-51									
		51-54									
		54-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

18-Mar-08

FPG37

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03652	SR54-37	0-3	1.45	0.099		19.3	0.283	1.068			
		3-6									
		6-9									
PB07-03653	SR54-37	9-12	<	0.094	B<						
		12-15									
		15-18									
		18-21									
PB07-03654	SR54-37	21-24	<	0.058	B<						
		24-27									
		27-30									
		30-33									
PB07-03655	SR54-37	33-36	<	0.078	B<						
		36-39									
		39-42									
		42-45									
PB07-03656	SR54-37	45-48	<	0.091	B<						
		48-50.5									
		50.5-55									
		55-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

18-Mar-08

FPG38

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03657	SR54-38	0-3	12.00	0.183		6.53	0.873	10.944			
		3-6									
		6-9									
PB07-03658	SR54-38	9-12	0.205	0.084	#	47.1	0.097	0.024	OK		
		12-15									
		15-18									
		18-21									
PB07-03659	SR54-38	21-24	<	0.076	B<						
		24-27									
		27-30									
		30-33									
PB07-03660	SR54-38	33-36	<	0.085	B<						<0.093
		36-39.5									
		39.5-42									
		42-45									
		45-48									
		48-51									
		51-54									
		54-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

18-Mar-08

FPG39

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03671	SR54-39	0-3	0.376	0.111	#	40.0	0.151	0.114	OK		
		3-6									
		6-9									
PB07-03672	SR54-39	9-12	<	0.093	B<						
		12-15									
		15-18									
		18-21									
PB07-03673	SR54-39	21-24	<	0.089	B<						
		24-27									
		27-30									
		30-33									
PB07-03674	SR54-39	33-36	<	0.081	B<						
		36-40.5									
		40.5-43									
		43-45									
		45-48									
		48-51									
		51-54									
		54-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

18-Mar-08

FPG40

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03676	SR54-40	0-3	<	0.169	B<						
		3-6									
		6-9									
PB07-03677	SR54-40	9-12	<	0.090	B<						
		12-15									
		15-18									
		18-21									
PB07-03678	SR54-40	21-24	<	0.077	B<						
		24-27									
		27-30									
		30-33									
PB07-03679	SR54-40	33-36	<	0.081	B<						
		36-39									
		39-41									
		41-45									
		45-49									
		49-51									
		51-54									
		54-57									
		57-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

18-Mar-08

FPG41

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03680	SR54-41	0-3	0.558	0.134		33.5	0.188	0.236			0.387
		3-6									
		6-9									
		9-12									
PB07-03682	SR54-41	12-15	<	0.136	B<						
		15-18									
		18-21									
		21-24									
PB07-03683	SR54-41	24-27	<	0.082	B<						
		27-30									
		30-33									
		33-36									
		36-39									
		39-42									
		42-45									
		45-48									
		48-51									
		51-54									
		54-56									
		56-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

18-Mar-08

FPG42

Lab Number	COC Number	Depth (inches)	Sample Result (Cs-137)	MDA (pCi/g)	Lab Flag	Uncertainty 2 Sigma (%)	2 Sigma (pCi/g)	(Result - 2 Sigma) - MDA (+ = good, - = bad)	R.Case Note	Haag Note	Recount (pCi/g)
PB07-03708	SR54-42	0-3	0.646	0.106		29.8	0.194	0.346			
		3-6									
		6-9									
PB07-03709	SR54-42	9-12	0.737	0.074		20.5	0.152	0.511			
		12-15									
		15-18									
		18-21									
PB07-03710	SR54-42	21-24	<	0.085	B<						
		24-27									
		27-30									
		30-33									
PB07-03711	SR54-42	33-36	<	0.079	B<						
		36-39									
		39-42									
		42-45									
		45-48									
PB07-03712	SR54-42	48-51	<	0.080	B<						
		51-54									
		54-58.75									
		58.75-60									
		60-63									
		63-66									
		66-69									
		69-72									
		72-75									
		75-78									
		78-81									
		81-84									
		84-87									
		87-90									
		90-93									
		93-96									
		96-99									
		99-102									
		102-105									
		105-108									
		108-111									
		111-114									
		114-117									
		117-120									

APPENDIX C

ESTIMATION OF WATER-BORNE Cs-137 ACTIVITY BEYOND WEMS
(Also provided as a separate computer file named 310mCicalc_15FEB08.xls)

15-Feb-08 Estimation of Water-Borne Cs-137 Activity Beyond WEMS by: RDH ck:RSH app:RSH

BKGND= 0.5 pCi/g

FLOODPLAIN

AREA	CF	PCF	G/POUND	G	pCi/G	pCi	mCi			
A highest	14924	85	454	575,897,865	4.5	2591540393	2.6			
A rest	29847	85	454	1,151,795,730	1	1151795730	1.2			
B	26303	85	454	1,015,013,475	1.5	1522520213	1.5			
C highest	10950	85	454	422,560,500	8.5	3591764250	3.6	Subtotal FP(A+B+C)		
C rest	7906	85	454	305,092,540	0.5	152546270	0.2	9.0	7.3%	
Rest of Nth	118919	85	454	4,589,076,492	1.5	6883614738	6.9	Subtotal FP Large Areas		
Rest of Sth	170755	85	454	6,589,443,168	0.5	3294721584	3.3	10.2	8.3%	
					Floodplain Total		19.2	15.6% FP		

STREAM MOUTH

AREA	CF	PCF	G/POUND	G	pCi/G	pCi	mCi			
B highest	15000	85	454	578,850,000	8.4	4862340000	4.9			
B rest	15000	85	454	578,850,000	4	2315400000	2.3			
A highest	2678.5	85	454	103,363,315	3.9	403116928.5	0.4			
A rest	5357	85	454	206,726,630	3.5	723543205	0.7			
C highest	2143	85	454	82,698,370	6.5	537539405	0.5			
								Subtotal SM(A+B+C)		
C rest	2143	85	454	82,698,370	3.5	289444295	0.3	9.1	7%	
Delta chan	50000	85	454	1,929,500,000	1.5	2894250000	2.9			
Delta rest	1050232	85	454	40,528,452,880	0.5	20264226440	20.3			
Tribs	613760	85	454	23,684,998,400	0.5	11842499200	11.8			
								Subtotal SM Large Areas		
Rest	458251	85	454	17,683,906,090	0.5	8841953045	8.8	43.8	36%	
					Stream Mouth Total		53.0	43% SM		

OTHER AREAS

Bay (No Estimate)							0.0	0% BY	
Pentolite AOC1BC									
Highest	2200	85	454	84,898,000	249.5	21182051000	21.2	17%	AOC1BC
Rest	19400	85	454	748,646,000	5.5	4117553000	4.1	3%	AOC1BC
Pentolite AOC1A									
Highest	1958.4	85	454	75,574,656	124.5	9409044672	9.4	8%	AOC1A
Rest	17625.6	85	454	680,171,904	5.5	3740945472	3.7	3%	AOC1A
Stream Areas	1200	85	454	46,308,000	24.5	1134546000	1.1	1%	Meanders
Backwater Areas	1250	85	454	48,237,500	24.5	1181818750	1.2	1%	Backwaters
WEMS	675	85	454	26,048,250	399.5	10406275875	10.4	8%	WEMS-front
					Total Accounted For		123.3	100%	123.3 mCi