

NOTE: Summary Statistics are not provided because only 1 sample was collected annually per location.

NOTE: "Sig" is significance, with "Yes" meaning detectable and "No" meaning less than the analytical method detection limit. If the uncertainty (standard deviation) is large, the significance may also be set to "No".

Data Table 5-21, 2013 Radioactivity in Soil

Data Section

2013 Radioactivity in Soil: Units are in pCi/g

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
F-Area					
2000 Feet West	Co-60	28-Jan-13	2.18E-02	1.18E-02	No
H-Area					
2000 Feet East	Co-60	28-Jan-13	-9.38E-04	8.67E-03	No
Z-Area					
#3	Co-60	28-Jan-13	-7.54E-03	1.12E-02	No
Burial Ground					
643-26E-2	Co-60	28-Jan-13	1.32E-02	1.39E-02	No
Burial Ground North	Co-60	28-Jan-13	7.65E-03	1.21E-02	No
Plant Perimeter					
Allendale Gate	Co-60	29-Jan-13	1.24E-02	9.21E-03	No
Barnwell Gate	Co-60	29-Jan-13	-5.22E-04	7.87E-03	No
D-Area	Co-60	29-Jan-13	1.21E-02	1.06E-02	No
Darkhorse @ Williston Gate	Co-60	28-Jan-13	2.50E-04	8.01E-03	No
East Talatha	Co-60	28-Jan-13	1.16E-02	1.10E-02	No
Green Pond	Co-60	28-Jan-13	-8.32E-03	6.52E-03	No
Highway 21/167	Co-60	28-Jan-13	1.21E-02	9.21E-03	No
Jackson	Co-60	28-Jan-13	-4.05E-03	8.31E-03	No
Patterson Mill Road	Co-60	29-Jan-13	-2.15E-02	1.35E-02	No
Talatha Gate	Co-60	28-Jan-13	-2.78E-03	1.04E-02	No
West Jackson	Co-60	28-Jan-13	-6.92E-03	1.20E-02	No
Windsor Road	Co-60	28-Jan-13	1.65E-02	8.25E-03	No
25-Mile Radius					
Aiken Airport	Co-60	28-Jan-13	1.71E-02	9.67E-03	No
Augusta Lock and Dam 614	Co-60	28-Jan-13	3.89E-04	1.15E-02	No
Highway 301 @ State Line	Co-60	28-Jan-13	-6.86E-03	9.28E-03	No
100-Mile Radius					
Savannah: GA	Co-60	30-Jan-13	-1.26E-02	1.28E-02	No
Creek Plantation					
Trail 1 - 1300Ft	Co-60	5-Jun-13	-9.31E-03	1.90E-02	No
F-Area					
2000 Feet West	Cs-137	28-Jan-13	1.86E-01	2.72E-02	Yes

2013 Radioactivity in Soil: Units are in pCi/g

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
H-Area					
2000 Feet East	Cs-137	28-Jan-13	1.20E-01	2.66E-02	Yes
Z-Area					
#3	Cs-137	28-Jan-13	1.02E-01	2.47E-02	Yes
Burial Ground					
643-26E-2	Cs-137	28-Jan-13	-2.73E-03	1.70E-02	No
Burial Ground North	Cs-137	28-Jan-13	-1.54E-02	1.29E-02	No
Plant Perimeter					
Allendale Gate	Cs-137	29-Jan-13	1.48E-01	2.15E-02	Yes
Barnwell Gate	Cs-137	29-Jan-13	2.25E-01	2.72E-02	Yes
D-Area	Cs-137	29-Jan-13	4.95E-01	4.83E-02	Yes
Darkhorse @ Williston Gate	Cs-137	28-Jan-13	2.17E-01	3.06E-02	Yes
East Talatha	Cs-137	28-Jan-13	3.16E-01	3.79E-02	Yes
Green Pond	Cs-137	28-Jan-13	4.38E-01	3.87E-02	Yes
Highway 21/167	Cs-137	28-Jan-13	1.29E-01	2.26E-02	Yes
Jackson	Cs-137	28-Jan-13	1.04E-01	1.78E-02	Yes
Patterson Mill Road	Cs-137	29-Jan-13	1.29E-01	2.87E-02	Yes
Talatha Gate	Cs-137	28-Jan-13	9.81E-02	1.79E-02	Yes
West Jackson	Cs-137	28-Jan-13	2.52E-01	3.83E-02	Yes
Windsor Road	Cs-137	28-Jan-13	1.83E-01	2.47E-02	Yes
25-Mile Radius					
Aiken Airport	Cs-137	28-Jan-13	2.48E-01	3.15E-02	Yes
Augusta Lock and Dam 614	Cs-137	28-Jan-13	1.14E-01	2.77E-02	Yes
Highway 301 @ State Line	Cs-137	28-Jan-13	3.24E-01	3.39E-02	Yes
100-Mile Radius					
Savannah: GA	Cs-137	30-Jan-13	5.51E-02	2.63E-02	No
Creek Plantation					
Trail 1 - 1300Ft	Cs-137	5-Jun-13	5.49E+01	3.16E+00	Yes
F-Area					
2000 Feet West	Sr-89/90	28-Jan-13	5.03E-02	3.65E-02	No
H-Area					
2000 Feet East	Sr-89/90	28-Jan-13	-1.31E-03	3.59E-02	No
Z-Area					
#3	Sr-89/90	28-Jan-13	-2.57E-02	2.54E-02	No

2013 Radioactivity in Soil: Units are in pCi/g

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
Burial Ground					
643-26E-2	Sr-89/90	28-Jan-13	-1.17E-03	3.20E-02	No
Burial Ground North	Sr-89/90	28-Jan-13	-5.35E-03	2.59E-02	No
Plant Perimeter					
Allendale Gate	Sr-89/90	29-Jan-13	-5.49E-02	4.47E-02	No
Barnwell Gate	Sr-89/90	29-Jan-13	-5.14E-03	3.75E-02	No
D-Area	Sr-89/90	29-Jan-13	1.04E-02	5.61E-01	No
Darkhorse @ Williston Gate	Sr-89/90	28-Jan-13	-2.34E-02	2.85E-02	No
East Talatha	Sr-89/90	28-Jan-13	-1.41E-02	3.70E-02	No
Green Pond	Sr-89/90	28-Jan-13	-2.06E-02	3.96E-02	No
Highway 21/167	Sr-89/90	28-Jan-13	-3.43E-02	3.39E-02	No
Jackson	Sr-89/90	28-Jan-13	-7.49E-03	4.63E-02	No
Patterson Mill Road	Sr-89/90	29-Jan-13	-1.01E-02	3.65E-02	No
Talatha Gate	Sr-89/90	28-Jan-13	-2.53E-03	2.40E-02	No
West Jackson	Sr-89/90	28-Jan-13	-7.08E-03	4.38E-02	No
Windsor Road	Sr-89/90	28-Jan-13	2.06E-01	5.41E-02	No
25-Mile Radius					
Aiken Airport	Sr-89/90	28-Jan-13	-2.86E-02	2.51E-02	No
Augusta Lock and Dam 614	Sr-89/90	28-Jan-13	-1.61E-04	2.60E-02	No
Highway 301 @ State Line	Sr-89/90	28-Jan-13	-2.73E-02	3.34E-02	No
100-Mile Radius					
Savannah: GA	Sr-89/90	30-Jan-13	-3.00E-03	2.86E-02	No
Creek Plantation					
Trail 1 - 1300Ft	Sr-89/90	5-Jun-13	3.43E-02	1.92E-02	No
F-Area					
2000 Feet West	Th-228	28-Jan-13	1.13E+00	1.03E-01	Yes
H-Area					
2000 Feet East	Th-228	28-Jan-13	6.70E-01	6.48E-02	Yes
Z-Area					
#3	Th-228	28-Jan-13	2.02E+00	1.69E-01	Yes
Burial Ground					
643-26E-2	Th-228	28-Jan-13	2.25E+00	1.90E-01	Yes
Burial Ground North	Th-228	28-Jan-13	1.53E+00	1.28E-01	Yes
Plant Perimeter					
Allendale Gate	Th-228	29-Jan-13	4.95E-01	5.53E-02	Yes
Barnwell Gate	Th-228	29-Jan-13	9.84E-01	9.21E-02	Yes
D-Area	Th-228	29-Jan-13	6.92E-01	7.06E-02	Yes

2013 Radioactivity in Soil: Units are in pCi/g

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
Darkhorse @ Williston Gate	Th-228	28-Jan-13	6.81E-01	6.23E-02	Yes
East Talatha	Th-228	28-Jan-13	2.76E+00	2.20E-01	Yes
Green Pond	Th-228	28-Jan-13	9.05E-01	8.46E-02	Yes
Highway 21/167	Th-228	28-Jan-13	1.05E+00	9.78E-02	Yes
Jackson	Th-228	28-Jan-13	1.18E+00	1.03E-01	Yes
Patterson Mill Road	Th-228	29-Jan-13	5.08E-01	5.32E-02	Yes
Talatha Gate	Th-228	28-Jan-13	1.05E+00	9.28E-02	Yes
West Jackson	Th-228	28-Jan-13	2.14E+00	1.77E-01	Yes
Windsor Road	Th-228	28-Jan-13	7.11E-01	6.93E-02	Yes

25-Mile Radius

Aiken Airport	Th-228	28-Jan-13	3.24E-01	3.69E-02	Yes
Augusta Lock and Dam 614	Th-228	28-Jan-13	7.08E-01	6.95E-02	Yes
Highway 301 @ State Line	Th-228	28-Jan-13	1.67E+00	1.33E-01	Yes

100-Mile Radius

Savannah: GA	Th-228	30-Jan-13	8.70E-01	8.28E-02	Yes
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Creek Plantation

Trail 1 - 1300Ft	Th-228	5-Jun-13	1.42E+00	1.13E-01	Yes
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F-Area

2000 Feet West	Th-230	28-Jan-13	8.78E-01	8.19E-02	Yes
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H-Area

2000 Feet East	Th-230	28-Jan-13	6.46E-01	6.12E-02	Yes
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Z-Area

#3	Th-230	28-Jan-13	1.24E+00	1.09E-01	Yes
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Burial Ground

643-26E-2	Th-230	28-Jan-13	1.71E+00	1.47E-01	Yes
Burial Ground North	Th-230	28-Jan-13	1.01E+00	8.92E-02	Yes

Plant Perimeter

Allendale Gate	Th-230	29-Jan-13	3.49E-01	4.10E-02	Yes
Barnwell Gate	Th-230	29-Jan-13	9.35E-01	8.67E-02	Yes
D-Area	Th-230	29-Jan-13	6.32E-01	6.49E-02	Yes
Darkhorse @ Williston Gate	Th-230	28-Jan-13	5.68E-01	5.35E-02	Yes
East Talatha	Th-230	28-Jan-13	2.33E+00	1.88E-01	Yes
Green Pond	Th-230	28-Jan-13	7.49E-01	7.16E-02	Yes
Highway 21/167	Th-230	28-Jan-13	5.35E-01	5.69E-02	Yes
Jackson	Th-230	28-Jan-13	8.11E-01	7.56E-02	Yes
Patterson Mill Road	Th-230	29-Jan-13	6.35E-01	6.22E-02	Yes
Talatha Gate	Th-230	28-Jan-13	7.24E-01	6.78E-02	Yes

2013 Radioactivity in Soil: Units are in pCi/g

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
West Jackson	Th-230	28-Jan-13	1.52E+00	1.30E-01	Yes
Windsor Road	Th-230	28-Jan-13	6.51E-01	6.41E-02	Yes

25-Mile Radius

Aiken Airport	Th-230	28-Jan-13	3.78E-01	3.99E-02	Yes
Augusta Lock and Dam 614	Th-230	28-Jan-13	5.11E-01	5.26E-02	Yes
Highway 301 @ State Line	Th-230	28-Jan-13	1.88E+00	1.47E-01	Yes

100-Mile Radius

Savannah: GA	Th-230	30-Jan-13	7.78E-01	7.39E-02	Yes
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Creek Plantation

Trail 1 - 1300Ft	Th-230	5-Jun-13	1.50E+00	1.20E-01	Yes
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F-Area

2000 Feet West	Th-232	28-Jan-13	1.05E+00	9.36E-02	Yes
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H-Area

2000 Feet East	Th-232	28-Jan-13	5.95E-01	5.66E-02	Yes
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Z-Area

#3	Th-232	28-Jan-13	1.67E+00	1.40E-01	Yes
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Burial Ground

643-26E-2	Th-232	28-Jan-13	1.84E+00	1.56E-01	Yes
Burial Ground North	Th-232	28-Jan-13	1.22E+00	1.03E-01	Yes

Plant Perimeter

Allendale Gate	Th-232	29-Jan-13	3.62E-01	4.08E-02	Yes
Barnwell Gate	Th-232	29-Jan-13	7.14E-01	6.87E-02	Yes
D-Area	Th-232	29-Jan-13	6.73E-01	6.58E-02	Yes
Darkhorse @ Williston Gate	Th-232	28-Jan-13	6.70E-01	5.90E-02	Yes
East Talatha	Th-232	28-Jan-13	2.52E+00	2.00E-01	Yes
Green Pond	Th-232	28-Jan-13	7.78E-01	7.19E-02	Yes
Highway 21/167	Th-232	28-Jan-13	9.81E-01	8.92E-02	Yes
Jackson	Th-232	28-Jan-13	1.03E+00	9.04E-02	Yes
Patterson Mill Road	Th-232	29-Jan-13	6.19E-01	5.89E-02	Yes
Talatha Gate	Th-232	28-Jan-13	7.81E-01	6.99E-02	Yes
West Jackson	Th-232	28-Jan-13	1.80E+00	1.50E-01	Yes
Windsor Road	Th-232	28-Jan-13	5.81E-01	5.67E-02	Yes

25-Mile Radius

Aiken Airport	Th-232	28-Jan-13	2.76E-01	3.12E-02	Yes
Augusta Lock and Dam 614	Th-232	28-Jan-13	5.43E-01	5.45E-02	Yes
Highway 301 @ State Line	Th-232	28-Jan-13	1.31E+00	1.05E-01	Yes

2013 Radioactivity in Soil: Units are in pCi/g

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
100-Mile Radius					
Savannah: GA	Th-232	30-Jan-13	6.84E-01	6.59E-02	Yes
Creek Plantation					
Trail 1 - 1300Ft	Th-232	5-Jun-13	1.31E+00	1.05E-01	Yes
F-Area					
2000 Feet West	U-234	28-Jan-13	7.16E-01	5.76E-02	Yes
H-Area					
2000 Feet East	U-234	28-Jan-13	5.11E-01	4.01E-02	Yes
Z-Area					
#3	U-234	28-Jan-13	6.57E-01	5.31E-02	Yes
Burial Ground					
643-26E-2	U-234	28-Jan-13	1.29E+00	9.71E-02	Yes
Burial Ground North	U-234	28-Jan-13	7.08E-01	5.30E-02	Yes
Plant Perimeter					
Allendale Gate	U-234	29-Jan-13	3.14E-01	2.60E-02	Yes
Barnwell Gate	U-234	29-Jan-13	7.11E-01	5.32E-02	Yes
D-Area	U-234	29-Jan-13	2.43E-01	1.88E-02	Yes
Darkhorse @ Williston Gate	U-234	28-Jan-13	7.22E-01	5.51E-02	Yes
East Talatha	U-234	28-Jan-13	4.41E-01	3.63E-02	Yes
Green Pond	U-234	28-Jan-13	5.41E-01	4.41E-02	Yes
Highway 21/167	U-234	28-Jan-13	6.97E-01	5.45E-02	Yes
Jackson	U-234	28-Jan-13	6.81E-01	6.17E-02	Yes
Patterson Mill Road	U-234	29-Jan-13	7.00E-01	5.45E-02	Yes
Talatha Gate	U-234	28-Jan-13	7.97E-01	6.14E-02	Yes
West Jackson	U-234	28-Jan-13	1.28E+00	9.71E-02	Yes
Windsor Road	U-234	28-Jan-13	7.24E-01	5.62E-02	Yes
25-Mile Radius					
Aiken Airport	U-234	28-Jan-13	3.22E-01	2.82E-02	Yes
Augusta Lock and Dam 614	U-234	28-Jan-13	1.66E+00	1.30E-01	Yes
Highway 301 @ State Line	U-234	28-Jan-13	1.74E+00	1.30E-01	Yes
100-Mile Radius					
Savannah: GA	U-234	30-Jan-13	5.84E-01	4.80E-02	Yes
Creek Plantation					
Trail 1 - 1300Ft	U-234	5-Jun-13	1.70E+00	1.25E-01	Yes
F-Area					
2000 Feet West	U-235	28-Jan-13	3.57E-02	5.85E-03	Yes

2013 Radioactivity in Soil: Units are in pCi/g

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
H-Area					
2000 Feet East	U-235	28-Jan-13	2.65E-02	4.66E-03	Yes
Z-Area					
#3	U-235	28-Jan-13	4.35E-02	6.64E-03	Yes
Burial Ground					
643-26E-2	U-235	28-Jan-13	6.32E-02	7.55E-03	Yes
Burial Ground North	U-235	28-Jan-13	3.38E-02	4.74E-03	Yes
Plant Perimeter					
Allendale Gate	U-235	29-Jan-13	1.92E-02	3.74E-03	Yes
Barnwell Gate	U-235	29-Jan-13	3.24E-02	5.10E-03	Yes
D-Area	U-235	29-Jan-13	1.44E-02	1.96E-03	Yes
Darkhorse @ Williston Gate	U-235	28-Jan-13	3.92E-02	5.49E-03	Yes
East Talatha	U-235	28-Jan-13	1.65E-02	3.48E-03	Yes
Green Pond	U-235	28-Jan-13	2.73E-02	4.63E-03	Yes
Highway 21/167	U-235	28-Jan-13	2.86E-02	4.71E-03	Yes
Jackson	U-235	28-Jan-13	2.78E-02	6.19E-03	Yes
Patterson Mill Road	U-235	29-Jan-13	2.73E-02	5.03E-03	Yes
Talatha Gate	U-235	28-Jan-13	4.41E-02	6.19E-03	Yes
West Jackson	U-235	28-Jan-13	6.73E-02	8.06E-03	Yes
Windsor Road	U-235	28-Jan-13	3.24E-02	4.92E-03	Yes
25-Mile Radius					
Aiken Airport	U-235	28-Jan-13	1.74E-02	3.94E-03	Yes
Augusta Lock and Dam 614	U-235	28-Jan-13	7.32E-02	9.28E-03	Yes
Highway 301 @ State Line	U-235	28-Jan-13	9.19E-02	1.03E-02	Yes
100-Mile Radius					
Savannah: GA	U-235	30-Jan-13	1.99E-02	3.97E-03	Yes
Creek Plantation					
Trail 1 - 1300Ft	U-235	5-Jun-13	9.26E-02	9.92E-03	Yes
F-Area					
2000 Feet West	Np-237	28-Jan-13	9.62E-04	6.81E-04	No
H-Area					
2000 Feet East	Np-237	28-Jan-13	-3.59E-04	3.79E-04	No
Z-Area					
#3	Np-237	28-Jan-13	3.65E-04	9.32E-04	No

2013 Radioactivity in Soil: Units are in pCi/g

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
Burial Ground					
643-26E-2	Np-237	28-Jan-13	1.36E-02	2.65E-03	Yes
Burial Ground North	Np-237	28-Jan-13	2.49E-04	6.35E-04	No
Plant Perimeter					
Allendale Gate	Np-237	29-Jan-13	-1.58E-05	2.02E-05	No
Barnwell Gate	Np-237	29-Jan-13	1.05E-04	4.36E-04	No
D-Area	Np-237	29-Jan-13	0.00E+00	1.12E-01	No
Darkhorse @ Williston Gate	Np-237	28-Jan-13	-2.49E-04	2.50E-04	No
East Talatha	Np-237	28-Jan-13	0.00E+00	4.19E-01	No
Green Pond	Np-237	28-Jan-13	0.00E+00	3.51E-01	No
Highway 21/167	Np-237	28-Jan-13	-5.08E-04	5.12E-04	No
Jackson	Np-237	28-Jan-13	0.00E+00	4.83E-01	No
Patterson Mill Road	Np-237	29-Jan-13	0.00E+00	4.34E-01	No
Talatha Gate	Np-237	28-Jan-13	8.49E-03	2.54E-03	Yes
West Jackson	Np-237	28-Jan-13	1.13E-03	9.00E-04	No
Windsor Road	Np-237	28-Jan-13	0.00E+00	3.38E-01	No
25-Mile Radius					
Aiken Airport	Np-237	28-Jan-13	1.75E-04	6.33E-04	No
Augusta Lock and Dam 614	Np-237	28-Jan-13	1.29E-02	2.52E-03	Yes
Highway 301 @ State Line	Np-237	28-Jan-13	3.73E-03	1.27E-03	Yes
100-Mile Radius					
Savannah: GA	Np-237	30-Jan-13	-4.08E-04	9.78E-04	No
Creek Plantation					
Trail 1 - 1300Ft	Np-237	5-Jun-13	4.28E-04	4.67E-04	No
F-Area					
2000 Feet West	U-238	28-Jan-13	7.62E-01	5.89E-02	Yes
H-Area					
2000 Feet East	U-238	28-Jan-13	5.51E-01	4.13E-02	Yes
Z-Area					
#3	U-238	28-Jan-13	6.54E-01	5.11E-02	Yes
Burial Ground					
643-26E-2	U-238	28-Jan-13	1.27E+00	9.24E-02	Yes
Burial Ground North	U-238	28-Jan-13	7.32E-01	5.28E-02	Yes
Plant Perimeter					
Allendale Gate	U-238	29-Jan-13	3.03E-01	2.45E-02	Yes
Barnwell Gate	U-238	29-Jan-13	7.43E-01	5.33E-02	Yes
D-Area	U-238	29-Jan-13	2.42E-01	1.80E-02	Yes

2013 Radioactivity in Soil: Units are in pCi/g

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
Darkhorse @ Williston Gate	U-238	28-Jan-13	6.81E-01	5.05E-02	Yes
East Talatha	U-238	28-Jan-13	4.35E-01	3.46E-02	Yes
Green Pond	U-238	28-Jan-13	5.92E-01	4.64E-02	Yes
Highway 21/167	U-238	28-Jan-13	7.08E-01	5.36E-02	Yes
Jackson	U-238	28-Jan-13	7.32E-01	6.42E-02	Yes
Patterson Mill Road	U-238	29-Jan-13	6.89E-01	5.18E-02	Yes
Talatha Gate	U-238	28-Jan-13	8.00E-01	5.95E-02	Yes
West Jackson	U-238	28-Jan-13	1.29E+00	9.48E-02	Yes
Windsor Road	U-238	28-Jan-13	7.00E-01	5.28E-02	Yes

25-Mile Radius

Aiken Airport	U-238	28-Jan-13	3.19E-01	2.72E-02	Yes
Augusta Lock and Dam 614	U-238	28-Jan-13	1.68E+00	1.27E-01	Yes
Highway 301 @ State Line	U-238	28-Jan-13	1.72E+00	1.24E-01	Yes

100-Mile Radius

Savannah: GA	U-238	30-Jan-13	5.81E-01	4.62E-02	Yes
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Creek Plantation

Trail 1 - 1300Ft	U-238	5-Jun-13	1.59E+00	1.12E-01	Yes
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F-Area

2000 Feet West	Pu-238	28-Jan-13	4.78E-02	6.74E-03	Yes
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H-Area

2000 Feet East	Pu-238	28-Jan-13	6.92E-03	2.08E-03	Yes
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Z-Area

#3	Pu-238	28-Jan-13	4.32E-03	1.63E-03	Yes
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Burial Ground

643-26E-2	Pu-238	28-Jan-13	1.94E-02	3.34E-03	Yes
Burial Ground North	Pu-238	28-Jan-13	7.22E-04	5.34E-04	No

Plant Perimeter

Allendale Gate	Pu-238	29-Jan-13	0.00E+00	4.05E-01	No
Barnwell Gate	Pu-238	29-Jan-13	8.41E-04	6.70E-04	No
D-Area	Pu-238	29-Jan-13	9.92E-04	3.68E-04	Yes
Darkhorse @ Williston Gate	Pu-238	28-Jan-13	-1.46E-04	5.11E-04	No
East Talatha	Pu-238	28-Jan-13	1.75E-03	9.09E-04	No
Green Pond	Pu-238	28-Jan-13	1.52E-03	7.88E-04	No
Highway 21/167	Pu-238	28-Jan-13	4.54E-03	1.94E-03	Yes
Jackson	Pu-238	28-Jan-13	-3.35E-04	3.42E-04	No
Patterson Mill Road	Pu-238	29-Jan-13	1.88E-03	9.74E-04	No
Talatha Gate	Pu-238	28-Jan-13	8.62E-03	2.42E-03	Yes

2013 Radioactivity in Soil: Units are in pCi/g

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
West Jackson	Pu-238	28-Jan-13	2.89E-03	1.21E-03	Yes
Windsor Road	Pu-238	28-Jan-13	1.77E-03	8.22E-04	Yes

25-Mile Radius

Aiken Airport	Pu-238	28-Jan-13	6.46E-04	8.27E-04	No
Augusta Lock and Dam 614	Pu-238	28-Jan-13	1.25E-02	2.52E-03	Yes
Highway 301 @ State Line	Pu-238	28-Jan-13	4.05E-03	1.38E-03	Yes

100-Mile Radius

Savannah: GA	Pu-238	30-Jan-13	1.98E-03	9.44E-04	Yes
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Creek Plantation

Trail 1 - 1300Ft	Pu-238	5-Jun-13	1.16E-02	2.57E-03	Yes
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F-Area

2000 Feet West	Pu-239	28-Jan-13	1.01E-01	1.20E-02	Yes
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H-Area

2000 Feet East	Pu-239	28-Jan-13	1.40E-02	3.13E-03	Yes
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Z-Area

#3	Pu-239	28-Jan-13	2.81E-02	4.89E-03	Yes
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Burial Ground

643-26E-2	Pu-239	28-Jan-13	4.32E-03	1.37E-03	Yes
Burial Ground North	Pu-239	28-Jan-13	1.72E-03	9.86E-04	No

Plant Perimeter

Allendale Gate	Pu-239	29-Jan-13	1.18E-02	2.55E-03	Yes
Barnwell Gate	Pu-239	29-Jan-13	8.27E-04	6.69E-04	No
D-Area	Pu-239	29-Jan-13	4.76E-03	8.96E-04	Yes
Darkhorse @ Williston Gate	Pu-239	28-Jan-13	1.29E-02	2.49E-03	Yes
East Talatha	Pu-239	28-Jan-13	9.24E-03	2.21E-03	Yes
Green Pond	Pu-239	28-Jan-13	1.46E-02	2.77E-03	Yes
Highway 21/167	Pu-239	28-Jan-13	4.54E-03	1.93E-03	Yes
Jackson	Pu-239	28-Jan-13	3.46E-03	1.38E-03	Yes
Patterson Mill Road	Pu-239	29-Jan-13	1.54E-02	3.17E-03	Yes
Talatha Gate	Pu-239	28-Jan-13	4.97E-03	1.96E-03	Yes
West Jackson	Pu-239	28-Jan-13	2.97E-02	4.84E-03	Yes
Windsor Road	Pu-239	28-Jan-13	1.29E-02	2.48E-03	Yes

25-Mile Radius

Aiken Airport	Pu-239	28-Jan-13	1.26E-02	2.91E-03	Yes
Augusta Lock and Dam 614	Pu-239	28-Jan-13	9.05E-03	2.10E-03	Yes
Highway 301 @ State Line	Pu-239	28-Jan-13	1.13E-02	2.47E-03	Yes

2013 Radioactivity in Soil: Units are in pCi/g

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
100-Mile Radius					
Savannah: GA	Pu-239	30-Jan-13	2.02E-03	9.21E-04	No
Creek Plantation					
Trail 1 - 1300Ft	Pu-239	5-Jun-13	3.04E-02	4.77E-03	Yes
F-Area					
2000 Feet West	Am-241	28-Jan-13	1.52E-02	2.77E-03	Yes
H-Area					
2000 Feet East	Am-241	28-Jan-13	2.27E-03	1.05E-03	Yes
Z-Area					
#3	Am-241	28-Jan-13	5.05E-03	1.66E-03	Yes
Burial Ground					
643-26E-2	Am-241	28-Jan-13	2.28E-03	9.67E-04	Yes
Burial Ground North	Am-241	28-Jan-13	7.89E-04	5.96E-04	No
Plant Perimeter					
Allendale Gate	Am-241	29-Jan-13	2.78E-03	1.18E-03	Yes
Barnwell Gate	Am-241	29-Jan-13	6.62E-03	1.74E-03	Yes
D-Area	Am-241	29-Jan-13	1.24E-03	3.85E-04	Yes
Darkhorse @ Williston Gate	Am-241	28-Jan-13	4.59E-03	1.39E-03	Yes
East Talatha	Am-241	28-Jan-13	2.27E-03	1.05E-03	Yes
Green Pond	Am-241	28-Jan-13	4.62E-03	1.39E-03	Yes
Highway 21/167	Am-241	28-Jan-13	1.16E-03	7.03E-04	No
Jackson	Am-241	28-Jan-13	2.02E-03	1.18E-03	No
Patterson Mill Road	Am-241	29-Jan-13	3.16E-03	1.16E-03	Yes
Talatha Gate	Am-241	28-Jan-13	4.35E-03	1.59E-03	Yes
West Jackson	Am-241	28-Jan-13	5.81E-03	1.58E-03	Yes
Windsor Road	Am-241	28-Jan-13	6.00E-03	1.58E-03	Yes
25-Mile Radius					
Aiken Airport	Am-241	28-Jan-13	4.08E-03	1.67E-03	Yes
Augusta Lock and Dam 614	Am-241	28-Jan-13	3.59E-03	1.37E-03	Yes
Highway 301 @ State Line	Am-241	28-Jan-13	2.09E-03	9.67E-04	Yes
100-Mile Radius					
Savannah: GA	Am-241	30-Jan-13	8.54E-04	6.35E-04	No
Creek Plantation					
Trail 1 - 1300Ft	Am-241	5-Jun-13	1.42E-02	2.50E-03	Yes
F-Area					
2000 Feet West	Cm-244	28-Jan-13	8.14E-04	6.35E-04	No

2013 Radioactivity in Soil: Units are in pCi/g

Location	Nuclide	CollectDate	SampleCon	SampleStd	Sig
H-Area					
2000 Feet East	Cm-244	28-Jan-13	8.73E-05	5.68E-04	No
Z-Area					
#3	Cm-244	28-Jan-13	1.48E-03	9.13E-04	No
Burial Ground					
643-26E-2	Cm-244	28-Jan-13	7.16E-04	5.66E-04	No
Burial Ground North	Cm-244	28-Jan-13	3.65E-04	4.28E-04	No
Plant Perimeter					
Allendale Gate	Cm-244	29-Jan-13	4.30E-04	4.84E-04	No
Barnwell Gate	Cm-244	29-Jan-13	7.97E-04	6.06E-04	No
D-Area	Cm-244	29-Jan-13	8.43E-05	1.05E-04	No
Darkhorse @ Williston Gate	Cm-244	28-Jan-13	7.27E-04	5.63E-04	No
East Talatha	Cm-244	28-Jan-13	-3.68E-04	3.13E-04	No
Green Pond	Cm-244	28-Jan-13	1.12E-03	6.92E-04	No
Highway 21/167	Cm-244	28-Jan-13	-5.54E-05	4.91E-05	No
Jackson	Cm-244	28-Jan-13	3.54E-03	1.30E-03	Yes
Patterson Mill Road	Cm-244	29-Jan-13	1.57E-03	8.27E-04	No
Talatha Gate	Cm-244	28-Jan-13	1.24E-03	1.04E-03	No
West Jackson	Cm-244	28-Jan-13	7.43E-04	5.68E-04	No
Windsor Road	Cm-244	28-Jan-13	-5.54E-05	4.98E-05	No
25-Mile Radius					
Aiken Airport	Cm-244	28-Jan-13	-6.86E-05	6.52E-05	No
Augusta Lock and Dam 614	Cm-244	28-Jan-13	-3.62E-04	2.99E-04	No
Highway 301 @ State Line	Cm-244	28-Jan-13	-6.86E-05	6.27E-05	No
100-Mile Radius					
Savannah: GA	Cm-244	30-Jan-13	3.81E-04	4.60E-04	No
Creek Plantation					
Trail 1 - 1300Ft	Cm-244	5-Jun-13	1.37E-03	7.82E-04	No